

# Yehia S Mechref

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

257 papers	10,403 citations	58 h-index	88 g-index
273 ext. papers	11,507 ext. citations	5 avg, IF	6.42 L-index

#	Paper	IF	Citations
257	Mitoquinone Helps Combat the Neurological, Cognitive, and Molecular Consequences of Open Head Traumatic Brain Injury at Chronic Time Point.. <i>Biomedicines</i> , <b>2022</b> , 10,	4.8	3
256	Mitoquinone supplementation alleviates oxidative stress and pathologic outcomes following repetitive mild traumatic brain injury at a chronic time point.. <i>Experimental Neurology</i> , <b>2022</b> , 351, 113987	5.7	2
255	Isomeric separation of permethylated glycans by extra-long reversed-phase liquid chromatography (RPLC)-MS/MS.. <i>Analyst, The</i> , <b>2022</b> ,	5	1
254	Salmonella enterica serovar Typhimurium chitinases modulate the intestinal glycome and promote small intestinal invasion.. <i>PLoS Pathogens</i> , <b>2022</b> , 18, e1010167	7.6	0
253	Glycome Profiling of Cancer Cell Lines Cultivated in Physiological and Commercial Media. <i>Biomolecules</i> , <b>2022</b> , 12, 743	5.9	0
252	Changes in the Expression of Renal Brush Border Membrane -Glycome in Model Rats with Chronic Kidney Diseases. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
251	Advances in mass spectrometry-based glycoproteomics: An update covering the period 2017-2021. <i>Electrophoresis</i> , <b>2021</b> ,	3.6	3
250	Altered -glycomes of Renal Brush-Border Membrane in Model Rats with Chronic Kidney Diseases. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
249	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , <b>2021</b> , 18, 1304-1316	21.6	16
248	Analysis of the Neuropoteome Associated With Cell Therapy After Intranigral Grafting in a Mouse Model of Parkinson Disease. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 621121	5.1	1
247	Mesoporous Graphitized Carbon Column for Efficient Isomeric Separation of Permethylated Glycans. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5061-5070	7.8	5
246	A General New Method for Calculating the Molecular Nonpolar Surface for Analysis of LC-MS Data. <i>International Journal of Mass Spectrometry</i> , <b>2021</b> , 461, 116495-116495	1.9	2
245	-Glycomics of Cerebrospinal Fluid: Method Comparison. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
244	Object classification in analytical chemistry via data-driven discovery of partial differential equations. <i>Computational and Mathematical Methods</i> , <b>2021</b> , 3, e1164	0.9	1
243	GlycoHybridSeq: Automated Identification of N-Linked Glycopeptides Using Electron Transfer/High-Energy Collision Dissociation (ETHcD). <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 3345-3352	5.6	4
242	Browning white adipose tissue using adipose stromal cell-targeted resveratrol-loaded nanoparticles for combating obesity. <i>Journal of Controlled Release</i> , <b>2021</b> , 333, 339-351	11.7	7
241	Searching for Novel Candidate Biomarkers of RLS in Blood by Proteomic Analysis. <i>Nature and Science of Sleep</i> , <b>2021</b> , 13, 873-883	3.6	4

240	MS-based glycomics and glycoproteomics methods enabling isomeric characterization. <i>Mass Spectrometry Reviews</i> , <b>2021</b> ,	11	5
239	GlycanGUI: Automated Glycan Annotation and Quantification Using Glucose Unit Index. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 707382	5	0
238	Glycomics and glycoproteomics: Approaches to address isomeric separation of glycans and glycopeptides. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 403-425	3.4	19
237	Analysis of NIST Monoclonal Antibody Reference Material Glycosylation Using the LC-MS/MS-Based Glycoproteomic Approach. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 818-830	5.6	2
236	Determination of Isomeric Glycan Structures by Permethylated and Liquid Chromatography-Mass Spectrometry (LC-MS). <i>Methods in Molecular Biology</i> , <b>2021</b> , 2271, 281-301	1.4	
235	Mechanism of how carbamylation reduces albumin binding to FcRn contributing to increased vascular clearance. <i>American Journal of Physiology - Renal Physiology</i> , <b>2021</b> , 320, F114-F129	4.3	3
234	Using micro pillar array columns (PAC) for the analysis of permethylated glycans. <i>Analyst, The</i> , <b>2021</b> , 146, 4374-4383	5	5
233	Derivatization of Sialylated Glycopeptides (DOSG) Enabling Site-Specific Isomeric Profiling Using LC-MS/MS. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5763-5772	7.8	6
232	Direct Comparison of Glycans and Their Isomers Derived from Spike Glycoprotein 1 of MERS-CoV, SARS-CoV-1, and SARS-CoV-2. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 4357-4365	5.6	4
231	PRM-MS Quantitative Analysis of Isomeric -Glycopeptides Derived from Human Serum Haptoglobin of Patients with Cirrhosis and Hepatocellular Carcinoma. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	5
230	Variability in the Glycosylation Patterns of gp120 Proteins from Different Human Immunodeficiency Virus Type 1 Isolates Expressed in Different Host Cells. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 4862-4874	5.6	2
229	Identification and Characterization of Two Structurally Related Dipeptides that Enhance Catalytic Efficiency of Neurolysin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2021</b> , 379, 191-202	4.7	3
228	Advances in mass spectrometry-based glycomics-An update covering the period 2017-2021. <i>Electrophoresis</i> , <b>2021</b> ,	3.6	1
227	LC-MS/MS in glycomics and glycoproteomics analyses <b>2021</b> , 391-441		
226	Vascular Cells Proteome Associated with Bradykinin and Leptin Inflammation and Oxidative Stress Signals. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	2
225	Separation of Permethylated -Glycans, Free Oligosaccharides, and Glycosphingolipid-Glycans Using Porous Graphitized Carbon (PGC) Column. <i>Metabolites</i> , <b>2020</b> , 10,	5.6	6
224	Serum Glycomics Profiling of Patients with Primary Restless Legs Syndrome Using LC-MS/MS. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 2933-2941	5.6	7
223	Isomeric Separation of N-Glycopeptides Derived from Glycoproteins by Porous Graphitic Carbon (PGC) LC-MS/MS. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9556-9565	7.8	17

222	Modulation of proteomic and inflammatory signals by Bradykinin in podocytes. <i>Journal of Advanced Research</i> , <b>2020</b> , 24, 409-422	13	2
221	N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. <i>Microbial Ecology</i> , <b>2020</b> , 80, 223-236	4.4	5
220	Circulating Brain Injury Exosomal Proteins following Moderate-To-Severe Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications. <i>Cells</i> , <b>2020</b> , 9,	7.9	26
219	Comparative Membrane -Glycomics of Different Breast Cancer Cell Lines To Understand Breast Cancer Brain Metastasis. <i>Journal of Proteome Research</i> , <b>2020</b> , 19, 854-863	5.6	6
218	Effects of the Oncoprotein PAX3-FOXO1 on Modulation of Exosomes Function and Protein Content: Implications on Oxidative Stress Protection and Enhanced Plasticity. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 1784	5.3	2
217	Glucose unit index (GUI) of permethylated glycans for effective identification of glycans and glycan isomers. <i>Analyst, The</i> , <b>2020</b> , 145, 6656-6667	5	11
216	Protein Expression Analysis of an In Vitro Murine Model of Prostate Cancer Progression: Towards Identification of High-Potential Therapeutic Targets. <i>Journal of Personalized Medicine</i> , <b>2020</b> , 10,	3.6	3
215	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , <b>2020</b> , 19, 11-30	7.6	49
214	Proteomic Profiling of Rhabdomyosarcoma-Derived Exosomes Yield Insights into Their Functional Role in Paracrine Signaling. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 3567-3579	5.6	5
213	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> , <b>2019</b> , 18, 3731-3740	5.6	23
212	N-Glycan Profile of Cerebrospinal Fluids from Alzheimer's Disease Patients Using Liquid Chromatography with Mass Spectrometry. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 3770-3779	5.6	22
211	Characterization of glycan isomers using magnetic carbon nanoparticles as a MALDI co-matrix. <i>RSC Advances</i> , <b>2019</b> , 9, 20137-20148	3.7	8
210	8-plex LC-MS/MS Analysis of Permethylated -Glycans Achieved by Using Stable Isotopic Iodomethane. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11794-11802	7.8	18
209	Integrated Transcriptomics, Proteomics, and Glycomics Reveals the Association between Up-regulation of Sialylated N-glycans/Integrin and Breast Cancer Brain Metastasis. <i>Scientific Reports</i> , <b>2019</b> , 9, 17361	4.9	8
208	Functional pathways associated with human carotid atheroma: a proteomics analysis. <i>Hypertension Research</i> , <b>2019</b> , 42, 362-373	4.7	2
207	Implication of the Kallikrein-Kinin system in neurological disorders: Quest for potential biomarkers and mechanisms. <i>Progress in Neurobiology</i> , <b>2018</b> , 165-167, 26-50	10.9	41
206	Glycosylation Changes in Brain Cancer. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 51-72	5.7	65
205	Enhanced Quantitative LC-MS/MS Analysis of N-linked Glycans Derived from Glycoproteins Using Sodium Deoxycholate Detergent. <i>Journal of Proteome Research</i> , <b>2018</b> , 17, 2668-2678	5.6	16

204	A carbon nanoparticles-based solid-phase purification method facilitating sensitive MALDI-MS analysis of permethylated N-glycans. <i>Electrophoresis</i> , <b>2018</b> , 39, 3087-3095	3.6	9
203	Carbon Nanoparticles and Graphene Nanosheets as MALDI Matrices in Glycomics: a New Approach to Improve Glycan Profiling in Biological Samples. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2018</b> , 29, 1892-1900	3.5	22
202	Quantitative Glycomics by Mass Spectrometry and Liquid ChromatographyMass Spectrometry <b>2018</b> , 1-31		
201	Novel biomarker signatures for idiopathic REM sleep behavior disorder: A proteomic and system biology approach. <i>Neurology</i> , <b>2018</b> , 91, e1710-e1715	6.5	15
200	Clinical application of quantitative glycomics. <i>Expert Review of Proteomics</i> , <b>2018</b> , 15, 1007-1031	4.2	22
199	Advances in mass spectrometry-based glycoproteomics. <i>Electrophoresis</i> , <b>2018</b> , 39, 3104-3122	3.6	53
198	Advances in mass spectrometry-based glycomics. <i>Electrophoresis</i> , <b>2018</b> , 39, 3063-3081	3.6	47
197	Magnetic carbon nanocomposites as a MALDI co-matrix enhancing MS-based glycomics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 7395-7404	4.4	5
196	LC-MS/MS glycomics of idiopathic rapid eye movement sleep behavior disorder. <i>Electrophoresis</i> , <b>2018</b> , 39, 3096-3103	3.6	10
195	Glycoprotein Enrichment Analytical Techniques: Advantages and Disadvantages. <i>Methods in Enzymology</i> , <b>2017</b> , 585, 397-429	1.7	37
194	Quantitative Glycomics: A Combined Analytical and Bioinformatics Approach. <i>Methods in Enzymology</i> , <b>2017</b> , 585, 431-477	1.7	11
193	Glycoproteins Enrichment and LC-MS/MS Glycoproteomics in Central Nervous System Applications. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1598, 213-227	1.4	9
192	Isomeric Separation of Permethylated Glycans by Porous Graphitic Carbon (PGC)-LC-MS/MS at High Temperatures. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 6590-6597	7.8	70
191	Comparative membrane proteomics analyses of breast cancer cell lines to understand the molecular mechanism of breast cancer brain metastasis. <i>Electrophoresis</i> , <b>2017</b> , 38, 2124-2134	3.6	14
190	LC-MS/MS isomeric profiling of permethylated N-glycans derived from serum haptoglobin of hepatocellular carcinoma (HCC) and cirrhotic patients. <i>Electrophoresis</i> , <b>2017</b> , 38, 2160-2167	3.6	52
189	Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium <i>Staphylococcus aureus</i> : A Proteomic Characterization. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 2579-2586	5.6	16
188	Delineation of disease phenotypes associated with esophageal adenocarcinoma by MALDI-IMS-MS analysis of serum N-linked glycans. <i>Analyst, The</i> , <b>2017</b> , 142, 1525-1535	5	10
187	Characterization of isomeric glycan structures by LC-MS/MS. <i>Electrophoresis</i> , <b>2017</b> , 38, 2100-2114	3.6	92

186	Multivariate classification of disease phenotypes of esophageal adenocarcinoma by pattern recognition analysis of MALDI-TOF mass spectra of serum N-linked glycans. <i>Microchemical Journal</i> , <b>2017</b> , 132, 83-88	4.8	3
185	Direct comparison of derivatization strategies for LC-MS/MS analysis of N-glycans. <i>Analyst, The</i> , <b>2017</b> , 142, 4446-4455	5	63
184	Proteome profiling in the aorta and kidney of type 1 diabetic rats. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187752	3.7	11
183	LC-MS/MS analysis of permethylated N-glycans facilitating isomeric characterization. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 453-466	4.4	61
182	Recent advances in mass spectrometric analysis of glycoproteins. <i>Electrophoresis</i> , <b>2017</b> , 38, 162-189	3.6	63
181	Analysis of Permethylated Glycan by Liquid Chromatography (LC) and Mass Spectrometry (MS). <i>Methods in Molecular Biology</i> , <b>2017</b> , 1503, 83-96	1.4	22
180	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). <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 426-44	7.6	19
179	A procedure for the analysis of site-specific and structure-specific fucosylation in alpha-1-antitrypsin. <i>Electrophoresis</i> , <b>2016</b> , 37, 2624-2632	3.6	10
178	Iridoid glycoside permethylation enhances chromatographic separation and chemical ionization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 2033-42	2.2	4
177	HILIC and ERLIC Enrichment of Glycopeptides Derived from Breast and Brain Cancer Cells. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 3624-3634	5.6	60
176	Multi-omic approaches for characterization of hepatocellular carcinoma. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2016</b> , 2016, 3437-3440	0.9	3
175	Parallel data acquisition of in-source fragmented glycopeptides to sequence the glycosylation sites of proteins. <i>Electrophoresis</i> , <b>2016</b> , 37, 1420-30	3.6	12
174	Glycosylation and other PTMs alterations in neurodegenerative diseases: Current status and future role in neurotrauma. <i>Electrophoresis</i> , <b>2016</b> , 37, 1549-61	3.6	36
173	LC-MS/MS analysis of permethylated free oligosaccharides and N-glycans derived from human, bovine, and goat milk samples. <i>Electrophoresis</i> , <b>2016</b> , 37, 1532-48	3.6	61
172	Structure-antioxidant and anti-tumor activity of Teucrium polium phytochemicals. <i>Phytochemistry Letters</i> , <b>2016</b> , 15, 81-87	1.9	13
171	Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. <i>Current Pharmaceutical Biotechnology</i> , <b>2016</b> , 17, 788-801	2.6	25
170	The Effect of Chronic Methamphetamine Exposure on the Hippocampal and Olfactory Bulb Neuroproteomes of Rats. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151034	3.7	10
169	High-temperature LC-MS/MS of permethylated glycans derived from glycoproteins. <i>Electrophoresis</i> , <b>2016</b> , 37, 1506-13	3.6	42



168	Deciphering glycomics and neuroproteomic alterations in experimental traumatic brain injury: Comparative analysis of aspirin and clopidogrel treatment. <i>Electrophoresis</i> , <b>2016</b> , 37, 1562-76	3.6	17
167	Reliable LC-MS quantitative glycomics using iGlycoMab stable isotope labeled glycans as internal standards. <i>Electrophoresis</i> , <b>2016</b> , 37, 1489-97	3.6	19
166	Quantitative LC-MS/MS Glycomic Analysis of Biological Samples Using AminoxyTMT. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7515-22	7.8	50
165	LC-MS/MS of permethylated N-glycans derived from model and human blood serum glycoproteins. <i>Electrophoresis</i> , <b>2016</b> , 37, 1498-505	3.6	34
164	Automated Glycan Sequencing from Tandem Mass Spectra of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5725-32	7.8	27
163	Preparation and preliminary characterization of recombinant neurolysin for in vivo studies. <i>Journal of Biotechnology</i> , <b>2016</b> , 234, 105-115	3.7	15
162	Quantitation of permethylated N-glycans through multiple-reaction monitoring (MRM) LC-MS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 596-603	3.5	33
161	Characterization of the Glycosylation Site of Human PSA Prompted by Missense Mutation using LC-MS/MS. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2872-83	5.6	19
160	Integrated Transcriptomic and Glycomic Profiling of Glioma Stem Cell Xenografts. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3932-9	5.6	11
159	N-linked glycan profiling in neuroblastoma cell lines. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 2074-81	5.6	18
158	Cytotoxic saponin poliusaposide from <i>Teucrium polium</i> . <i>RSC Advances</i> , <b>2015</b> , 5, 27126-27133	3.7	13
157	Defining glycoprotein cancer biomarkers by MS in conjunction with glycoprotein enrichment. <i>Biomarkers in Medicine</i> , <b>2015</b> , 9, 835-44	2.3	30
156	Identification of Glycopeptides with Multiple Hydroxylysine O-Glycosylation Sites by Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 5099-108	5.6	8
155	<i>Teucrium polium</i> phenylethanol and iridoid glycoside characterization and flavonoid inhibition of biofilm-forming <i>Staphylococcus aureus</i> . <i>Journal of Natural Products</i> , <b>2015</b> , 78, 2-9	4.9	32
154	Automated annotation and quantitation of glycans by liquid chromatography/electrospray ionization mass spectrometric analysis using the MultiGlycan-ESI computational tool. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 135-42	2.2	31
153	Characterization of the Kallikrein-Kinin System Post Chemical Neuronal Injury: An In Vitro Biochemical and Neuroproteomics Assessment. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128601	3.7	5
152	30th ASMS Asilomar Conference on Advances in Glycomics and Glycoproteomics: Methods and Applications. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1047-50	3.5	
151	LC-MS/MS-based serum proteomics for identification of candidate biomarkers for hepatocellular carcinoma. <i>Proteomics</i> , <b>2015</b> , 15, 2369-81	4.8	52

150	Biofilm blocking sesquiterpenes from <i>Teucrium polium</i> . <i>Phytochemistry</i> , <b>2014</b> , 103, 107-113	4	31
149	Rapid and sensitive LC-ESI-MS of gangliosides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2014</b> , 947-948, 1-7	3.2	30
148	LC-MS profiling of N-Glycans derived from human serum samples for biomarker discovery in hepatocellular carcinoma. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4859-68	5.6	40
147	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> , <b>2014</b> , 13, 4808-20	5.6	63
146	Computational framework for identification of intact glycopeptides in complex samples. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 453-63	7.8	79
145	Label-free glycopeptide quantification for biomarker discovery in human sera. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 4821-32	5.6	34
144	Recent updates on drug abuse analyzed by neuroproteomics studies: Cocaine, Methamphetamine and MDMA. <i>Translational Proteomics</i> , <b>2014</b> , 3, 38-52		6
143	Quantitative Glycomics by Mass Spectrometry and Liquid Chromatography-Mass Spectrometry <b>2014</b> , 1-22		2
142	Social learning and amygdala disruptions in Nf1 mice are rescued by blocking p21-activated kinase. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1583-90	25.5	82
141	Glycoproteomics: identifying the glycosylation of prostate specific antigen at normal and high isoelectric points by LC-MS/MS. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 5570-80	5.6	38
140	Bioinformatics protocols in glycomics and glycoproteomics. <i>Current Protocols in Protein Science</i> , <b>2014</b> , 76, 2.15.1-2.15.7	3.1	9
139	LC-MS/MS identification of the O-glycosylation and hydroxylation of amino acid residues of collagen $\alpha 1$ (II) chain from bovine cartilage. <i>Journal of Proteome Research</i> , <b>2013</b> , 12, 3599-609	5.6	31
138	Immobilized metal affinity chromatography and human serum proteomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 934, 26-33	3.2	32
137	Multi-profile Bayesian alignment model for LC-MS data analysis with integration of internal standards. <i>Bioinformatics</i> , <b>2013</b> , 29, 2774-80	7.2	15
136	Glycomic profiling of tissue sections by LC-MS. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4074-9	7.8	31
135	Glycomic Profiling Through Capillary Electrophoresis and Microchip Capillary Electrophoresis <b>2013</b> , 367-383		2
134	Leaf Dhurrin Content is a Quantitative Measure of the Level of Pre- and Postflowering Drought Tolerance in Sorghum. <i>Crop Science</i> , <b>2013</b> , 53, 1056-1065	2.4	35
133	Comparative glycomic profiling of isotopically permethylated N-glycans by liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 865-77	2.2	44



132	Automated annotation and quantification of glycans using liquid chromatography-mass spectrometry. <i>Bioinformatics</i> , <b>2013</b> , 29, 1706-7	7.2	40
131	Quantitative glycomics strategies. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 874-84	7.6	76
130	Sugar nucleotide quantification using multiple reaction monitoring liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 1794-800	2.2	6
129	GPA: An algorithm for LC/MS based glycan profile annotation <b>2013</b> ,		2
128	Interlaboratory study on differential analysis of protein glycosylation by mass spectrometry: the ABRF glycoprotein research multi-institutional study 2012. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 2935-51	7.6	92
127	Ion mobility-mass spectrometry analysis of serum N-linked glycans from esophageal adenocarcinoma phenotypes. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 6102-10	5.6	40
126	N-linked glycan structures and their expressions change in the blood sera of ovarian cancer patients. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 2282-300	5.6	149
125	Defining putative glycan cancer biomarkers by MS. <i>Bioanalysis</i> , <b>2012</b> , 4, 2457-69	2.1	53
124	Delineating diseases by IMS-MS profiling of serum N-linked glycans. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 576-85	5.6	46
123	N-glycan profiling by microchip electrophoresis to differentiate disease states related to esophageal adenocarcinoma. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3621-7	7.8	40
122	Fish consumption, low-level mercury, lipids, and inflammatory markers in children. <i>Environmental Research</i> , <b>2012</b> , 112, 204-11	7.9	32
121	Use of CID/ETD mass spectrometry to analyze glycopeptides. <i>Current Protocols in Protein Science</i> , <b>2012</b> , Chapter 12, Unit 12.11.1-11	3.1	68
120	Fast and efficient online release of N-glycans from glycoproteins facilitating liquid chromatography-tandem mass spectrometry glycomic profiling. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 8790-6	7.8	35
119	Quantification of glycopeptides by multiple reaction monitoring liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 1941-54	2.2	61
118	Comparing MALDI-MS, RP-LC-MALDI-MS and RP-LC-ESI-MS glycomic profiles of permethylated N-glycans derived from model glycoproteins and human blood serum. <i>Electrophoresis</i> , <b>2012</b> , 33, 1768-77 <sup>3.6</sup>		54
117	Identifying cancer biomarkers by mass spectrometry-based glycomics. <i>Electrophoresis</i> , <b>2012</b> , 33, 1755-67 <sup>3.6</sup>		115
116	Gel-free shotgun proteomic analysis of human milk. <i>Journal of Chromatography A</i> , <b>2012</b> , 1227, 219-33	4.5	30
115	Monosaccharide Compositional Analysis of Glycoproteins Using Liquid Chromatography-Mass Spectrometry. <i>Current Proteomics</i> , <b>2011</b> , 8, 257-268	0.7	3

114	Glycomic Alterations in the Highly-abundant and Lesser-abundant Blood Serum Protein Fractions for Patients Diagnosed with Hepatocellular Carcinoma. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 305, 185-198	1.9	15
113	Improving confidence in detection and characterization of protein N-glycosylation sites and microheterogeneity. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 2007-19	2.2	61
112	Microchip electrophoresis of N-glycans on serpentine separation channels with asymmetrically tapered turns. <i>Electrophoresis</i> , <b>2011</b> , 32, 246-53	3.6	30
111	Analysis of glycans derived from glycoconjugates by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , <b>2011</b> , 32, 3467-81	3.6	52
110	Enhanced sensitivity of LC-MS analysis of permethylated N-glycans through online purification. <i>Electrophoresis</i> , <b>2011</b> , 32, 3516-25	3.6	57
109	Increased protein nitration in mitochondrial diseases: evidence for vessel wall involvement. <i>Molecular and Cellular Proteomics</i> , <b>2011</b> , 10, M110.002964	7.6	32
108	Bioinformatic Approaches in Glycomics and Glycoproteomics. <i>Current Proteomics</i> , <b>2011</b> , 8, 309-324	0.7	1
107	Monosaccharide Compositional Analysis of Glycoproteins and Glycolipids: Utility in the Diagnosis/Prognosis of Diseases <b>2011</b> , 237-267		1
106	High-Sensitivity Analytical Approaches to the Analysis of N-Glycans <b>2010</b> , 1-43		2
105	Analysis of site-specific glycosylation of renal and hepatic Eglutamyl transpeptidase from normal human tissue. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 29511-24	5.4	38
104	Identification of N-glycan serum markers associated with hepatocellular carcinoma from mass spectrometry data. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 104-12	5.6	58
103	Chip-based reversed-phase liquid chromatography-mass spectrometry of permethylated N-linked glycans: a potential methodology for cancer-biomarker discovery. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5095-106	7.8	139
102	Effects of lead and mercury on the blood proteome of children. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 4443-53	5.6	24
101	Alteration of selective neurotransmitters in fetal brains of prenatally alcohol-treated C57BL/6 mice: quantitative analysis using liquid chromatography/tandem mass spectrometry. <i>International Journal of Developmental Neuroscience</i> , <b>2010</b> , 28, 263-9	2.7	29
100	Assigning N-glycosylation sites of glycoproteins using LC/MSMS in conjunction with endo-M/exoglycosidase mixture. <i>Journal of Proteome Research</i> , <b>2010</b> , 9, 3598-607	5.6	43
99	Comparative glycomic profiling in esophageal adenocarcinoma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 1216-23	1.5	15
98	Differential expression of proteins in fetal brains of alcohol-treated prenatally C57BL/6 mice: a proteomic investigation. <i>Electrophoresis</i> , <b>2010</b> , 31, 483-96	3.6	25
97	A quantitative investigation of fucosylated serum glycoproteins with application to esophageal adenocarcinoma. <i>Electrophoresis</i> , <b>2010</b> , 31, 1833-41	3.6	24

96	Sequential enrichment of sulfated glycans by strong anion-exchange chromatography prior to mass spectrometric measurements. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2010</b> , 21, 348-57	3.5	18
95	Mapping site-specific protein N-glycosylations through liquid chromatography/mass spectrometry and targeted tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 965-72	2.2	36
94	Characterizing protein glycosylation sites through higher-energy C-trap dissociation. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1217-25	2.2	101
93	Quantification of monosaccharides through multiple-reaction monitoring liquid chromatography/mass spectrometry using an aminopropyl column. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1565-74	2.2	22
92	Rapid and efficient glycoprotein identification through microwave-assisted enzymatic digestion. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 3461-8	2.2	20
91	Alterations in the aqueous humor proteome in patients with Fuchs endothelial corneal dystrophy. <i>Molecular Vision</i> , <b>2010</b> , 16, 2376-83	2.3	23
90	Detection of hepatocellular carcinoma using glycomic analysis. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 1808-18	2.9	117
89	Glycomic analysis by capillary electrophoresis-mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2009</b> , 28, 207-22	11	88
88	Fast liquid chromatography separation and multiple-reaction monitoring mass spectrometric detection of neurotransmitters. <i>Journal of Separation Science</i> , <b>2009</b> , 32, 2369-76	3.4	14
87	Structural analysis of sulfated glycans by sequential double-permethylation using methyl iodide and deuteromethyl iodide. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 1660-71	3.5	44
86	Glycomic profiling of invasive and non-invasive breast cancer cells. <i>Glycoconjugate Journal</i> , <b>2009</b> , 26, 117-31	3	73
85	Characterization of glycopeptides by combining collision-induced dissociation and electron-transfer dissociation mass spectrometry data. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 161-70	2.2	134
84	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> , <b>2009</b> , 23, 495-505	2.2	55
83	Elevated levels of hydroxylated phosphocholine lipids in the blood serum of breast cancer patients. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 863-76	2.2	43
82	Developing IMS/MS/MS for rapid characterization of abundant proteins in human plasma. <i>International Journal of Mass Spectrometry</i> , <b>2009</b> , 283, 149-160	1.9	30
81	Multiple-reaction monitoring liquid chromatography mass spectrometry for monosaccharide compositional analysis of glycoproteins. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2009</b> , 20, 1224-34	3.5	43
80	Enzymatic/chemical release of O-glycans allowing MS analysis at high sensitivity. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9546-52	7.8	76
79	Quantitative serum glycomics of esophageal adenocarcinoma and other esophageal disease onsets. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 2656-66	5.6	66

78	Solid-phase permethylation for glycomic analysis. <i>Methods in Molecular Biology</i> , <b>2009</b> , 534, 53-64	1.4	55
77	Assigning glycosylation sites and microheterogeneities in glycoproteins by liquid chromatography/tandem mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2009</b> , 492, 161-80	1.4	5
76	Analysis of MALDI-TOF mass spectrometry data for discovery of peptide and glycan biomarkers of hepatocellular carcinoma. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 603-10	5.6	49
75	Glycoprotein enrichment through lectin affinity techniques. <i>Methods in Molecular Biology</i> , <b>2008</b> , 424, 373-96	1.4	66
74	Profiling of human serum glycans associated with liver cancer and cirrhosis by IMS-MS. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 1109-17	5.6	133
73	Breast cancer diagnosis and prognosis through quantitative measurements of serum glycan profiles. <i>Clinical Chemistry</i> , <b>2008</b> , 54, 1166-75	5.5	203
72	Integrated peptide and glycan biomarker discovery using MALDI-TOF mass spectrometry. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 3791-4	0.9	2
71	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> , <b>2008</b> , 19, 1027-40	3.5	56
70	High-throughput solid-phase permethylation of glycans prior to mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 721-34	2.2	172
69	A computational approach to characterizing bond linkages of glycan isomers using matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3561-9	2.2	3
68	ProteinQuant Suite: a bundle of automated software tools for label-free quantitative proteomics. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3823-34	2.2	49
67	Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 2722-32	3.4	54
66	Resolving and assigning N-linked glycan structural isomers from ovalbumin by IMS-MS. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2008</b> , 19, 1706-15	3.5	122
65	Biochemical individuality reflected in chromatographic, electrophoretic and mass-spectrometric profiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 866, 26-47	3.2	32
64	Quantitative chiral analysis of salsolinol in different brain regions of rats genetically predisposed to alcoholism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2008</b> , 863, 206-14	3.2	30
63	Analysis of MALDI-TOF mass spectrometry data for detection of glycan biomarkers. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , <b>2008</b> , 216-27	1.3	4
62	Alterations in the serum glycome due to metastatic prostate cancer. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 1822-32	5.6	199
61	Electrophoretic analysis of N-glycans on microfluidic devices. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 7170-5	7.8	82

60	Improved collision-induced dissociation analysis of peptides by matrix-assisted laser desorption/ionization tandem time-of-flight mass spectrometry through 3-sulfobenzoic acid succinimidyl ester labeling. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 124-32	5.6	12
59	Synthesis and characterization of covalent mimics of phosphatidylinositol-4,5-bisphosphate micelles. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1790-3	6.9	4
58	Technical Aspects of Glycoprotein Enrichment <b>2007</b> , 267-298		
57	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> , <b>2007</b> , 845, 121-37	3.2	69
56	Laser-induced photofragmentation of neutral and acidic glycans inside an ion-trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 1452-60	2.2	44
55	Porous polyacrylamide monoliths in hydrophilic interaction capillary electrochromatography of oligosaccharides. <i>Journal of Proteomics</i> , <b>2007</b> , 70, 3-13		22
54	Comparative glycomic mapping through quantitative permethylation and stable-isotope labeling. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6064-73	7.8	146
53	A novel function of VCP (valosin-containing protein; p97) in the control of N-glycosylation of proteins in the endoplasmic reticulum. <i>Archives of Biochemistry and Biophysics</i> , <b>2007</b> , 462, 62-73	4.1	15
52	Comparison of the methods for profiling glycoprotein glycans--HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , <b>2007</b> , 17, 411-22	5.8	360
51	A Computational Approach for the Identification of Site-Specific Protein Glycosylations Through Ion-Trap Mass Spectrometry. <i>Lecture Notes in Computer Science</i> , <b>2007</b> , 96-107	0.9	3
50	A cancer-associated PCNA expressed in breast cancer has implications as a potential biomarker. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 19472-7	11.5	82
49	Determination of salsolinol and related catecholamines through on-line preconcentration and liquid chromatography/atmospheric pressure photoionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 3342-7	7.8	34
48	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> , <b>2006</b> , 41, 919-926	3.8	55
47	Semiautomated high-sensitivity profiling of human blood serum glycoproteins through lectin preconcentration and multidimensional chromatography/tandem mass spectrometry. <i>Journal of Proteome Research</i> , <b>2006</b> , 5, 2348-63	5.6	74
46	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> , <b>2006</b> , 20, 1381-9	2.2	83
45	Changes in liver protein abundance in inbred alcohol-preferring rats due to chronic alcohol exposure, as measured through a proteomics approach. <i>Proteomics</i> , <b>2006</b> , 6, 3060-74	4.8	19
44	Miniaturized separation techniques in glycomic investigations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 841, 65-78	3.2	64
43	Combining lectin microcolumns with high-resolution separation techniques for enrichment of glycoproteins and glycopeptides. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4081-90	7.8	128

42	Comprehensive assessment of N-glycans derived from a murine monoclonal antibody: a case for multimethodological approach. <i>Electrophoresis</i> , <b>2005</b> , 26, 2034-46	3.6	68
41	New hyphenated methodologies in high-sensitivity glycoprotein analysis. <i>Journal of Separation Science</i> , <b>2005</b> , 28, 1956-68	3.4	93
40	A proteomic survey of rat cerebral cortical synaptosomes. <i>Proteomics</i> , <b>2005</b> , 5, 2177-201	4.8	84
39	Solid-phase permethylation of glycans for mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3421-8	2.2	248
38	Automated interpretation of MS/MS spectra of oligosaccharides. <i>Bioinformatics</i> , <b>2005</b> , 21 Suppl 1, i431-97.2	9.2	89
37	Frequent serial fecal corticoid measures from rats reflect circadian and ovarian corticosterone rhythms. <i>Journal of Endocrinology</i> , <b>2005</b> , 184, 153-63	4.7	102
36	Modulation of differentiation-related gene 1 expression by cell cycle blocker mimosine, revealed by proteomic analysis. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 993-1001	7.6	39
35	Enhanced post-source decay and cross-ring fragmentation of oligosaccharides facilitated by conversion to amino derivatives. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 1513-8	2.2	8
34	Microdeposition device interfacing capillary electrochromatography and microcolumn liquid chromatography with matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 6698-706	7.8	63
33	Structural characterization of oligosaccharides using MALDI-TOF/TOF tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4895-903	7.8	183
32	Complexation trends and binding constants between dextrin oligomers and small molecules as measured through affinity capillary electrophoresis. <i>Electrophoresis</i> , <b>2003</b> , 24, 2914-23	3.6	8
31	Sensitive analyses of agricultural chemicals by capillary electrochromatography. <i>Journal of Separation Science</i> , <b>2003</b> , 26, 1635-1642	3.4	13
30	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. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5137-45	7.8	105
29	Coupling capillary electrochromatography with electrospray Fourier transform mass spectrometry for characterizing complex oligosaccharide pools. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 1684-90	7.8	60
28	Matrix-assisted laser desorption/ionization mass spectrometry compatible beta-elimination of O-linked oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 1199-204	2.2	66
27	Structural investigations of glycoconjugates at high sensitivity. <i>Chemical Reviews</i> , <b>2002</b> , 102, 321-69	68.1	299
26	Determination of trace isoflavone phytoestrogens in biological materials by capillary electrochromatography. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5998-6005	7.8	38
25	Sugar-lectin interactions investigated through affinity capillary electrophoresis. <i>Biomedical Applications</i> , <b>2001</b> , 752, 207-16		28



24	Microscale nonreductive release of O-linked glycans for subsequent analysis through MALDI mass spectrometry and capillary electrophoresis. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 6063-9	7.8	195
23	Changes in glycosylation of human bile-salt-stimulated lipase during lactation. <i>Archives of Biochemistry and Biophysics</i> , <b>2000</b> , 377, 246-54	4.1	47
22	N-linked oligosaccharide structures in the diamine oxidase from porcine kidney. <i>Carbohydrate Research</i> , <b>2000</b> , 323, 111-25	2.9	13
21	Structural characterization of the N-linked oligosaccharides in bile salt-stimulated lipase originated from human breast milk. <i>Glycobiology</i> , <b>1999</b> , 9, 227-34	5.8	35
20	N-linked oligosaccharides of vomeromodulin, a putative pheromone transporter in rat. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 255, 451-5	3.4	17
19	Matrix-assisted laser desorption/ionization mass spectrometry of neutral and acidic oligosaccharides with collision-induced dissociation. <i>Carbohydrate Research</i> , <b>1998</b> , 313, 145-55	2.9	34
18	Matrix-assisted laser desorption/ionization mass spectrometry of acidic glycoconjugates facilitated by the use of spermine as a co-matrix. <i>Journal of the American Society for Mass Spectrometry</i> , <b>1998</b> , 9, 1293-302	3.5	46
17	Mass spectrometric mapping and sequencing of N-linked oligosaccharides derived from submicrogram amounts of glycoproteins. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 455-63	7.8	126
16	Capillary electrophoresis of herbicides: IV. Evaluation of octylmaltopyranoside chiral surfactant in the enantiomeric separation of fluorescently labeled phenoxy acid herbicides and their laser-induced fluorescence detection. <i>Electrophoresis</i> , <b>1997</b> , 18, 220-6	3.6	23
15	Comparison of alkylglycoside surfactants in enantioseparation by capillary electrophoresis. <i>Electrophoresis</i> , <b>1997</b> , 18, 912-8	3.6	22
14	Capillary electrophoresis of carboxylated carbohydrates. III. Selective precolumn derivatization of glycosaminoglycan disaccharides with 7-aminonaphthalene-1,3-disulfonic acid fluorescing tag for ultrasensitive laser-induced fluorescence detection. <i>Analytical Biochemistry</i> , <b>1997</b> , 244, 283-90	3.1	47
13	Capillary electrophoresis of herbicides II. Evaluation of alkylglucoside chiral surfactants in the enantiomeric separation of phenoxy acid herbicides. <i>Journal of Chromatography A</i> , <b>1997</b> , 757, 263-273	4.5	49
12	Capillary electrophoresis of carboxylated carbohydrates. IV. Adjusting the separation selectivity of derivatized carboxylated carbohydrates by controlling the electrolyte ionic strength at subambient temperature and in the absence of electroosmotic flow. <i>Journal of Chromatography A</i> , <b>1997</b> , 792, 75-82	4.5	25
11	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. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 1771-1777	7.8	92
10	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> , <b>1996</b> , 724, 285-296	4.5	59
9	Recent advances in capillary electrophoresis of carbohydrates. <i>Electrophoresis</i> , <b>1996</b> , 17, 275-301	3.6	107
8	Capillary electrophoresis of herbicides. III. Evaluation of octylmaltopyranoside chiral surfactant in the enantiomeric separation of phenoxy acid herbicides. <i>Chirality</i> , <b>1996</b> , 8, 518-524	2.1	29
7	Capillary electrophoresis of carboxylated carbohydrates. I. Selective precolumn derivatization of gangliosides with UV absorbing and fluorescent tags. <i>Journal of Chromatography A</i> , <b>1995</b> , 695, 83-95	4.5	49

6	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. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>1995</b> , 18, 3769-3786		23
5	Capillary electrophoresis of carboxylated carbohydrates. Part 2. Selective precolumn derivatization of sialooligosaccharides derived from gangliosides with 7-aminonaphthalene-1,3-disulfonic acid fluorescing tag. <i>Electrophoresis</i> , <b>1995</b> , 16, 1499-504	3.6	30
4	Capillary enzymophoresis of nucleic acid fragments using coupled capillary electrophoresis and capillary enzyme microreactors having surface-immobilized RNA-modifying enzymes. <i>Electrophoresis</i> , <b>1995</b> , 16, 2164-71	3.6	19
3	Fused-silica capillaries with surface-bound dextran layer crosslinked with diepoxypolyethylene glycol for capillary electrophoresis of biological substances at reduced electroosmotic flow. <i>Electrophoresis</i> , <b>1995</b> , 16, 617-24	3.6	31
2	Capillary zone electrophoresis of derivatized acidic monosaccharides. <i>Electrophoresis</i> , <b>1994</b> , 15, 627-34	3.6	57
1	Community Evaluation of Glycoproteomics Informatics Solutions Reveals High-Performance Search Strategies of Serum N- and O-Glycopeptide Data		4