

# Yehia S Mechref

## List of Publications by Citations

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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	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
256	Structural investigations of glycoconjugates at high sensitivity. <i>Chemical Reviews</i> , <b>2002</b> , 102, 321-69	68.1	299
255	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
254	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
253	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
252	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
251	Structural characterization of oligosaccharides using MALDI-TOF/TOF tandem mass spectrometry. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 4895-903	7.8	183
250	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
249	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
248	Comparative glycomic mapping through quantitative permethylation and stable-isotope labeling. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6064-73	7.8	146
247	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
246	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
245	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
244	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
243	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
242	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
241	Detection of hepatocellular carcinoma using glycomic analysis. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 1808-13	12.9	117

240	Identifying cancer biomarkers by mass spectrometry-based glycomics. <i>Electrophoresis</i> , <b>2012</b> , 33, 1755-673.6	115
239	Recent advances in capillary electrophoresis of carbohydrates. <i>Electrophoresis</i> , <b>1996</b> , 17, 275-301	3.6 107
238	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 <i>Drosophila</i> protein extract. <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5137-45	7.8 105
237	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
236	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
235	New hyphenated methodologies in high-sensitivity glycoprotein analysis. <i>Journal of Separation Science</i> , <b>2005</b> , 28, 1956-68	3.4 93
234	Characterization of isomeric glycan structures by LC-MS/MS. <i>Electrophoresis</i> , <b>2017</b> , 38, 2100-2114	3.6 92
233	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
232	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
231	Automated interpretation of MS/MS spectra of oligosaccharides. <i>Bioinformatics</i> , <b>2005</b> , 21 Suppl 1, i431-97.2	89
230	Glycomic analysis by capillary electrophoresis-mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2009</b> , 28, 207-22	11 88
229	A proteomic survey of rat cerebral cortical synaptosomes. <i>Proteomics</i> , <b>2005</b> , 5, 2177-201	4.8 84
228	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
227	Social learning and amygdala disruptions in <i>Nf1</i> mice are rescued by blocking p21-activated kinase. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1583-90	25.5 82
226	Electrophoretic analysis of N-glycans on microfluidic devices. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 7170-5	7.8 82
225	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
224	Computational framework for identification of intact glycopeptides in complex samples. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 453-63	7.8 79
223	Quantitative glycomics strategies. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 874-84	7.6 76

222	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
221	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
220	Glycomic profiling of invasive and non-invasive breast cancer cells. <i>Glycoconjugate Journal</i> , <b>2009</b> , 26, 117-31	3	73
219	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
218	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
217	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
216	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
215	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
214	Glycoprotein enrichment through lectin affinity techniques. <i>Methods in Molecular Biology</i> , <b>2008</b> , 424, 373-96	1.4	66
213	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
212	Glycosylation Changes in Brain Cancer. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 51-72	5.7	65
211	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
210	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
209	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
208	Recent advances in mass spectrometric analysis of glycoproteins. <i>Electrophoresis</i> , <b>2017</b> , 38, 162-189	3.6	63
207	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
206	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
205	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

204	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
203	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
202	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
201	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
200	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
199	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
198	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
197	Capillary zone electrophoresis of derivatized acidic monosaccharides. <i>Electrophoresis</i> , <b>1994</b> , 15, 627-34	3.6	57
196	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
195	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
194	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
193	Solid-phase permethylation for glycomic analysis. <i>Methods in Molecular Biology</i> , <b>2009</b> , 534, 53-64	1.4	55
192	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	3.6	54
191	Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 2722-32	3.4	54
190	Defining putative glycan cancer biomarkers by MS. <i>Bioanalysis</i> , <b>2012</b> , 4, 2457-69	2.1	53
189	Advances in mass spectrometry-based glycoproteomics. <i>Electrophoresis</i> , <b>2018</b> , 39, 3104-3122	3.6	53
188	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
187	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

186	Analysis of glycans derived from glycoconjugates by capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , <b>2011</b> , 32, 3467-81	3.6	52
185	Quantitative LC-MS/MS Glycomic Analysis of Biological Samples Using AminoxyTMT. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7515-22	7.8	50
184	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
183	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
182	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
181	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
180	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
179	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
178	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
177	Advances in mass spectrometry-based glycomics. <i>Electrophoresis</i> , <b>2018</b> , 39, 3063-3081	3.6	47
176	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
175	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
174	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
173	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
172	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
171	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
170	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
169	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



168	High-temperature LC-MS/MS of permethylated glycans derived from glycoproteins. <i>Electrophoresis</i> , <b>2016</b> , 37, 1506-13	3.6	42
167	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
166	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
165	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
164	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
163	Automated annotation and quantification of glycans using liquid chromatography-mass spectrometry. <i>Bioinformatics</i> , <b>2013</b> , 29, 1706-7	7.2	40
162	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
161	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
160	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
159	Determination of trace isoflavone phytoestrogens in biological materials by capillary electrochromatography. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5998-6005	7.8	38
158	Glycoprotein Enrichment Analytical Techniques: Advantages and Disadvantages. <i>Methods in Enzymology</i> , <b>2017</b> , 585, 397-429	1.7	37
157	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
156	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
155	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
154	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
153	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
152	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
151	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

150	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
149	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
148	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
147	Teucrium polium 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
146	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
145	Fish consumption, low-level mercury, lipids, and inflammatory markers in children. <i>Environmental Research</i> , <b>2012</b> , 112, 204-11	7.9	32
144	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
143	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
142	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
141	Biofilm blocking sesquiterpenes from <i>Teucrium polium</i> . <i>Phytochemistry</i> , <b>2014</b> , 103, 107-113	4	31
140	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
139	Glycomic profiling of tissue sections by LC-MS. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4074-9	7.8	31
138	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
137	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
136	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
135	Gel-free shotgun proteomic analysis of human milk. <i>Journal of Chromatography A</i> , <b>2012</b> , 1227, 219-33	4.5	30
134	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
133	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



132	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
131	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
130	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
129	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
128	Sugar-lectin interactions investigated through affinity capillary electrophoresis. <i>Biomedical Applications</i> , <b>2001</b> , 752, 207-16		28
127	Automated Glycan Sequencing from Tandem Mass Spectra of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 5725-32	7.8	27
126	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
125	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
124	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
123	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
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