

Milos V Novotny

List of Publications by Year in Descending Order

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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

14,091
citations

66
h-index

104
g-index

262
ext. papers

15,060
ext. citations

5.7
avg. IF

6.42
L-index

#	Paper	IF	Citations
257	Compounds from plantar foot sweat, nesting material, and urine show strain patterns associated with agonistic and affiliative behaviors in group housed male mice, <i>Mus musculus</i> . <i>PLoS ONE</i> , 2021 , 16, e0251416	3.7	1
256	N-Glycome changes reflecting resistance to platinum-based chemotherapy in ovarian cancer. <i>Journal of Proteomics</i> , 2021 , 230, 103964	3.9	8
255	Composition and compound proportions affect the response to complex chemical signals in a spiny lizard. <i>Behavioral Ecology and Sociobiology</i> , 2021 , 75, 1	2.5	6
254	Structural Identification, Synthesis and Biological Activity of Two Volatile Cyclic Dipeptides in a Terrestrial Vertebrate. <i>Scientific Reports</i> , 2020 , 10, 4303	4.9	7
253	Charge Detection Mass Spectrometry Measurements of Exosomes and other Extracellular Particles Enriched from Bovine Milk. <i>Analytical Chemistry</i> , 2020 , 92, 3285-3292	7.8	19
252	Volatile fatty acid and aldehyde abundances evolve with behavior and habitat temperature in lizards. <i>Behavioral Ecology</i> , 2020 , 31, 978-991	2.3	11
251	Glycoproteomic Analysis of Human Urinary Exosomes. <i>Analytical Chemistry</i> , 2020 , 92, 14357-14365	7.8	5
250	Exosome-Mediated Crosstalk between Keratinocytes and Macrophages in Cutaneous Wound Healing. <i>ACS Nano</i> , 2020 , 14, 12732-12748	16.7	28
249	Experimental evidence that symbiotic bacteria produce chemical cues in a songbird. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	19
248	In-Depth Compositional and Structural Characterization of N-Glycans Derived from Human Urinary Exosomes. <i>Analytical Chemistry</i> , 2019 , 91, 13528-13537	7.8	16
247	Highly Sensitive O-Glycan Profiling for Human Serum Proteins Reveals Gender-Dependent Changes in Colorectal Cancer Patients. <i>Analytical Chemistry</i> , 2019 , 91, 6180-6189	7.8	10
246	Chemical profiles reflect heterozygosity and seasonality in a tropical lekking passerine bird. <i>Animal Behaviour</i> , 2019 , 151, 67-75	2.8	4
245	The minimum information required for a glycomics experiment (MIRAGE) project: LC guidelines. <i>Glycobiology</i> , 2019 , 29, 349-354	5.8	21
244	Beta-caryophyllene enhances wound healing through multiple routes. <i>PLoS ONE</i> , 2019 , 14, e0216104	3.7	34
243	Microgradient separation technique for purification and fractionation of permethylated N-glycans before mass spectrometric analyses. <i>Journal of Separation Science</i> , 2018 , 41, 1973-1982	3.4	14
242	Songbird chemical signals reflect uropygial gland androgen sensitivity and predict aggression: implications for the role of the periphery in chemosignaling. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018 , 204, 5-15	2.3	17
241	Analytical Scheme Leading to Integrated High-Sensitivity Profiling of Glycosphingolipids Together with N- and O-Glycans from One Sample. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1125-1137	3.5	7

240	Comprehensive Analytical Approach toward Glycomic Characterization and Profiling in Urinary Exosomes. <i>Analytical Chemistry</i> , 2017 , 89, 5364-5372	7.8	30
239	Capillary electrophoresis-mass spectrometry for direct structural identification of serum N-glycans. <i>Journal of Chromatography A</i> , 2017 , 1523, 127-139	4.5	35
238	Development of capillary liquid chromatography: A personal perspective. <i>Journal of Chromatography A</i> , 2017 , 1523, 3-16	4.5	28
237	Recent Advances in the Analysis of Complex Glycoproteins. <i>Analytical Chemistry</i> , 2017 , 89, 389-413	7.8	86
236	Evolutionary Interactions Between Visual and Chemical Signals: Chemosignals Compensate for the Loss of a Visual Signal in Male Sceloporus Lizards. <i>Journal of Chemical Ecology</i> , 2016 , 42, 1164-1174	2.7	22
235	Protocol for the purification of protected carbohydrates: toward coupling automated synthesis to alternate-pump recycling high-performance liquid chromatography. <i>Chemical Communications</i> , 2016 , 52, 13253-13256	5.8	22
234	Volatile organic compounds (VOCs) drive nutrient foraging in the clonal woodland strawberry, <i>Fragaria vesca</i> . <i>Plant and Soil</i> , 2016 , 407, 261-274	4.2	9
233	Photoperiod and aggression induce changes in ventral gland compounds exclusively in male Siberian hamsters. <i>Hormones and Behavior</i> , 2016 , 81, 1-11	3.7	8
232	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. <i>Frontiers in Ecology and Evolution</i> , 2016 , 4,	3.7	24
231	Urinary volatile compounds differ across reproductive phenotypes and following aggression in male Siberian hamsters. <i>Physiology and Behavior</i> , 2016 , 164, 58-67	3.5	5
230	Complementary Glycomic Analyses of Sera Derived from Colorectal Cancer Patients by MALDI-TOF-MS and Microchip Electrophoresis. <i>Analytical Chemistry</i> , 2016 , 88, 9597-9605	7.8	38
229	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. <i>Glycobiology</i> , 2016 , 26, 907-910	5.8	44
228	Structural Characterization of Serum N-Glycans by Methylamidation, Fluorescent Labeling, and Analysis by Microchip Electrophoresis. <i>Analytical Chemistry</i> , 2016 , 88, 8965-71	7.8	39
227	Are single odorous components of a predator sufficient to elicit defensive behaviors in prey species?. <i>Frontiers in Neuroscience</i> , 2015 , 9, 263	5.1	54
226	Behavioral responses of predator-naïve dwarf hamsters (<i>Phodopus campbelli</i>) to odor cues of the European ferret fed with different prey species. <i>Physiology and Behavior</i> , 2015 , 146, 57-66	3.5	18
225	Pheromone-induced cell proliferation in the murine subventricular zone. <i>Biochemical Society Transactions</i> , 2014 , 42, 882-5	5.1	7
224	Modulation of social behavior by the agouti pigmentation gene. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 259	3.5	7
223	MIRAGE: the minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014 , 24, 402-6	5.8	84

222	Variation in preen oil composition pertaining to season, sex, and genotype in the polymorphic white-throated sparrow. <i>Journal of Chemical Ecology</i> , 2014 , 40, 1025-38	2.7	23
221	Bird odour predicts reproductive success. <i>Animal Behaviour</i> , 2013 , 86, 697-703	2.8	48
220	Sub 2- μ m macroporous silica particles derivatized for enhanced lectin affinity enrichment of glycoproteins. <i>Analytical Chemistry</i> , 2013 , 85, 1905-12	7.8	45
219	Comparative profiling of N-glycans isolated from serum samples of ovarian cancer patients and analyzed by microchip electrophoresis. <i>Journal of Proteome Research</i> , 2013 , 12, 4490-6	5.6	43
218	Analytical glycobiology at high sensitivity: current approaches and directions. <i>Glycoconjugate Journal</i> , 2013 , 30, 89-117	3	49
217	Chemosignaling diversity in songbirds: chromatographic profiling of preen oil volatiles in different species. <i>Journal of Chromatography A</i> , 2013 , 1317, 186-92	4.5	33
216	Recent trends in analytical and structural glycobiology. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 832-40	9.7	42
215	High-sensitivity analytical approaches for the structural characterization of glycoproteins. <i>Chemical Reviews</i> , 2013 , 113, 2668-732	68.1	240
214	Structural glycomic analyses at high sensitivity: a decade of progress. <i>Annual Review of Analytical Chemistry</i> , 2013 , 6, 237-65	12.5	52
213	Isolation and purification of glycoconjugates from complex biological sources by recycling high-performance liquid chromatography. <i>Analytical Chemistry</i> , 2013 , 85, 10408-16	7.8	21
212	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> , 2013 , 12, 2935-51	7.6	92
211	Stimulation of cell proliferation in the subventricular zone by synthetic murine pheromones. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 101	3.5	21
210	Analysis of volatile mouse pheromones by gas chromatography mass spectrometry. <i>Methods in Molecular Biology</i> , 2013 , 1068, 29-45	1.4	2
209	Investigation of scents on cheeks and foreheads of large felines in connection to the facial marking behavior. <i>Journal of Chemical Ecology</i> , 2012 , 38, 145-56	2.7	19
208	N-linked glycan structures and their expressions change in the blood sera of ovarian cancer patients. <i>Journal of Proteome Research</i> , 2012 , 11, 2282-300	5.6	149
207	Use of magnetic hydrazide-modified polymer microspheres for enrichment of glycoproteins. <i>Soft Matter</i> , 2012 , 8, 2775-2786	3.6	21
206	Delineating diseases by IMS-MS profiling of serum N-linked glycans. <i>Journal of Proteome Research</i> , 2012 , 11, 576-85	5.6	46
205	Uptake and incorporation of sialic acid by the tick <i>Ixodes ricinus</i> . <i>Journal of Insect Physiology</i> , 2012 , 58, 1277-87	2.4	9

204	Examination of glycan profiles from IgG-depleted human immunoglobulins facilitated by microscale affinity chromatography. <i>Analytical Chemistry</i> , 2012 , 84, 3269-77	7.8	11
203	Smoking and lung cancer-induced changes in N-glycosylation of blood serum proteins. <i>Glycobiology</i> , 2012 , 22, 1684-708	5.8	65
202	Glycomic and proteomic profiling of pancreatic cyst fluids identifies hyperfucosylated lactosamines on the N-linked glycans of overexpressed glycoproteins. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.015792	7.6	40
201	Characterization of protein glycosylation in <i>Francisella tularensis</i> subsp. <i>holarctica</i> : identification of a novel glycosylated lipoprotein required for virulence. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.015036	7.6	36
200	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> , 2011 , 305, 185-198	1.9	15
199	Role of testosterone in stimulating seasonal changes in a potential avian chemosignal. <i>Journal of Chemical Ecology</i> , 2011 , 37, 1349-57	2.7	35
198	Microchip electrophoresis of N-glycans on serpentine separation channels with asymmetrically tapered turns. <i>Electrophoresis</i> , 2011 , 32, 246-53	3.6	30
197	Increased protein nitration in mitochondrial diseases: evidence for vessel wall involvement. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.002964	7.6	32
196	High-Sensitivity Analytical Approaches to the Analysis of N-Glycans 2010 , 1-43		2
195	Analysis of site-specific glycosylation of renal and hepatic α -glucosylidase from normal human tissue. <i>Journal of Biological Chemistry</i> , 2010 , 285, 29511-24	5.4	38
194	Songbird chemosignals: volatile compounds in preen gland secretions vary among individuals, sexes, and populations. <i>Behavioral Ecology</i> , 2010 , 21, 608-614	2.3	82
193	Identification of N-glycan serum markers associated with hepatocellular carcinoma from mass spectrometry data. <i>Journal of Proteome Research</i> , 2010 , 9, 104-12	5.6	58
192	Glycomic analysis of sialic acid linkages in glycans derived from blood serum glycoproteins. <i>Journal of Proteome Research</i> , 2010 , 9, 3062-72	5.6	120
191	Chip-based reversed-phase liquid chromatography-mass spectrometry of permethylated N-linked glycans: a potential methodology for cancer-biomarker discovery. <i>Analytical Chemistry</i> , 2010 , 82, 5095-106	7.8	139
190	Effects of lead and mercury on the blood proteome of children. <i>Journal of Proteome Research</i> , 2010 , 9, 4443-53	5.6	24
189	Multimethodological approach to identification of glycoproteins from the proteome of <i>Francisella tularensis</i> , an intracellular microorganism. <i>Journal of Proteome Research</i> , 2010 , 9, 1995-2005	5.6	37
188	Analysis of volatile organic compounds in human saliva by a static sorptive extraction method and gas chromatography-mass spectrometry. <i>Journal of Chemical Ecology</i> , 2010 , 36, 1035-42	2.7	69
187	Comparative glycomic profiling in esophageal adenocarcinoma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 139, 1216-23	1.5	15

186	A quantitative investigation of fucosylated serum glycoproteins with application to esophageal adenocarcinoma. <i>Electrophoresis</i> , 2010 , 31, 1833-41	3.6	24
185	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> , 2010 , 21, 348-57	3.5	18
184	High resolution X-ray structures of mouse major urinary protein nasal isoform in complex with pheromones. <i>Protein Science</i> , 2010 , 19, 1469-79	6.3	19
183	Mapping site-specific protein N-glycosylations through liquid chromatography/mass spectrometry and targeted tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 965-72	2.2	36
182	Detection of hepatocellular carcinoma using glycomic analysis. <i>Clinical Cancer Research</i> , 2009 , 15, 1808-13	2.9	117
181	Glycomic analysis by capillary electrophoresis-mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2009 , 28, 207-22	11	88
180	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> , 2009 , 20, 1660-71	3.5	44
179	Glycomic profiling of invasive and non-invasive breast cancer cells. <i>Glycoconjugate Journal</i> , 2009 , 26, 117-31	3	73
178	Comparison of urinary scents of two related mouse species, <i>Mus spicilegus</i> and <i>Mus domesticus</i> . <i>Journal of Chemical Ecology</i> , 2009 , 35, 580-9	2.7	25
177	Characterization of glycopeptides by combining collision-induced dissociation and electron-transfer dissociation mass spectrometry data. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 161-70	2.2	134
176	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	2.2	55
175	Multiple-reaction monitoring liquid chromatography mass spectrometry for monosaccharide compositional analysis of glycoproteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1224-34	3.5	43
174	Enzymatic/chemical release of O-glycans allowing MS analysis at high sensitivity. <i>Analytical Chemistry</i> , 2009 , 81, 9546-52	7.8	76
173	Quantitative serum glycomics of esophageal adenocarcinoma and other esophageal disease onsets. <i>Journal of Proteome Research</i> , 2009 , 8, 2656-66	5.6	66
172	Solid-phase permethylation for glycomic analysis. <i>Methods in Molecular Biology</i> , 2009 , 534, 53-64	1.4	55
171	Assigning glycosylation sites and microheterogeneities in glycoproteins by liquid chromatography/tandem mass spectrometry. <i>Methods in Molecular Biology</i> , 2009 , 492, 161-80	1.4	5
170	Analysis of MALDI-TOF mass spectrometry data for discovery of peptide and glycan biomarkers of hepatocellular carcinoma. <i>Journal of Proteome Research</i> , 2008 , 7, 603-10	5.6	49
169	Glycoprotein enrichment through lectin affinity techniques. <i>Methods in Molecular Biology</i> , 2008 , 424, 373-96	1.4	66

168	Breast cancer diagnosis and prognosis through quantitative measurements of serum glycan profiles. <i>Clinical Chemistry</i> , 2008 , 54, 1166-75	5.5	203
167	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> , 2008 , 2008, 3791-4	0.9	2
166	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, 1027-40	3.5	56
165	Chronic exposure of cat odor enhances aggression, urinary attractiveness and sex pheromones of mice. <i>Journal of Ethology</i> , 2008 , 26, 279-286	1.1	18
164	High-throughput solid-phase permethylation of glycans prior to mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 721-34	2.2	172
163	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> , 2008 , 22, 3561-9	2.2	3
162	ProteinQuant Suite: a bundle of automated software tools for label-free quantitative proteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3823-34	2.2	49
161	Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. <i>Journal of Separation Science</i> , 2008 , 31, 2722-32	3.4	54
160	Resolving and assigning N-linked glycan structural isomers from ovalbumin by IMS-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2008 , 19, 1706-15	3.5	122
159	Biochemical individuality reflected in chromatographic, electrophoretic and mass-spectrometric profiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 866, 26-47	3.2	32
158	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> , 2008 , 863, 206-14	3.2	30
157	Analysis of MALDI-TOF mass spectrometry data for detection of glycan biomarkers. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2008 , 216-27	1.3	4
156	Volatile Mammalian Chemosignals: Structural and Quantitative Aspects 2008 , 13-23		4
155	Alterations in the serum glycome due to metastatic prostate cancer. <i>Journal of Proteome Research</i> , 2007 , 6, 1822-32	5.6	199
154	Electrophoretic analysis of N-glycans on microfluidic devices. <i>Analytical Chemistry</i> , 2007 , 79, 7170-5	7.8	82
153	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> , 2007 , 6, 124-32	5.6	12
152	Technical Aspects of Glycoprotein Enrichment 2007 , 267-298		
151	Pattern recognition of gas chromatography mass spectrometry of human volatiles in sweat to distinguish the sex of subjects and determine potential discriminatory marker peaks. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 87, 161-172	3.8	53

150	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, 121-37	3.2	69
149	Laser-induced photofragmentation of neutral and acidic glycans inside an ion-trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 1452-60	2.2	44
148	Porous polyacrylamide monoliths in hydrophilic interaction capillary electrochromatography of oligosaccharides. <i>Journal of Proteomics</i> , 2007 , 70, 3-13		22
147	Comparison of human axillary odour profiles obtained by gas chromatography/mass spectrometry and skin microbial profiles obtained by denaturing gradient gel electrophoresis using multivariate pattern recognition. <i>Metabolomics</i> , 2007 , 3, 427-437	4.7	40
146	Mice respond differently to urine and its major volatile constituents from male and female ferrets. <i>Journal of Chemical Ecology</i> , 2007 , 33, 603-12	2.7	21
145	Chemical identification of MHC-influenced volatile compounds in mouse urine. I: Quantitative Proportions of Major Chemosignals. <i>Journal of Chemical Ecology</i> , 2007 , 33, 417-34	2.7	49
144	Comparative glycomic mapping through quantitative permethylation and stable-isotope labeling. <i>Analytical Chemistry</i> , 2007 , 79, 6064-73	7.8	146
143	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> , 2007 , 462, 62-73	4.1	15
142	Individual and gender fingerprints in human body odour. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 331-40	4.1	252
141	Application of dissimilarity indices, principal coordinates analysis, and rank tests to peak tables in metabolomics of the gas chromatography/mass spectrometry of human sweat. <i>Analytical Chemistry</i> , 2007 , 79, 5633-41	7.8	28
140	Comparison of the methods for profiling glycoprotein glycans--HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007 , 17, 411-22	5.8	360
139	Seasonal variation in volatile compound profiles of preen gland secretions of the dark-eyed junco (<i>Junco hyemalis</i>). <i>Journal of Chemical Ecology</i> , 2007 , 33, 183-98	2.7	81
138	A Computational Approach for the Identification of Site-Specific Protein Glycosylations Through Ion-Trap Mass Spectrometry. <i>Lecture Notes in Computer Science</i> , 2007 , 96-107	0.9	3
137	An automated method for peak detection and matching in large gas chromatography-mass spectrometry data sets. <i>Journal of Chemometrics</i> , 2006 , 20, 325-340	1.6	45
136	Determination of salsolinol and related catecholamines through on-line preconcentration and liquid chromatography/atmospheric pressure photoionization mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 3342-7	7.8	34
135	In situ surface sampling of biological objects and preconcentration of their volatiles for chromatographic analysis. <i>Analytical Chemistry</i> , 2006 , 78, 7161-8	7.8	59
134	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, 2348-63	5.6	74
133	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, 1381-9	2.2	83

132	Changes in liver protein abundance in inbred alcohol-preferring rats due to chronic alcohol exposure, as measured through a proteomics approach. <i>Proteomics</i> , 2006 , 6, 3060-74	4.8	19
131	Miniaturized separation techniques in glycomic investigations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 841, 65-78	3.2	64
130	ADVANCEMENT IN PROTEIN INFERENCE FROM SHOTGUN PROTEOMICS USING PEPTIDE DETECTABILITY 2006 ,		12
129	Thermodynamic consequences of disrupting a water-mediated hydrogen bond network in a protein:pheromone complex. <i>Protein Science</i> , 2005 , 14, 249-56	6.3	36
128	Combining lectin microcolumns with high-resolution separation techniques for enrichment of glycoproteins and glycopeptides. <i>Analytical Chemistry</i> , 2005 , 77, 4081-90	7.8	128
127	Comprehensive assessment of N-glycans derived from a murine monoclonal antibody: a case for multimethodological approach. <i>Electrophoresis</i> , 2005 , 26, 2034-46	3.6	68
126	New hyphenated methodologies in high-sensitivity glycoprotein analysis. <i>Journal of Separation Science</i> , 2005 , 28, 1956-68	3.4	93
125	Stir bar sorptive extraction: a new quantitative and comprehensive sampling technique for determination of chemical signal profiles from biological media. <i>Journal of Chemical Ecology</i> , 2005 , 31, 377-92	2.7	57
124	Comparative investigation of the volatile urinary profiles in different Phodopus hamster species. <i>Journal of Chemical Ecology</i> , 2005 , 31, 1125-43	2.7	26
123	A proteomic survey of rat cerebral cortical synaptosomes. <i>Proteomics</i> , 2005 , 5, 2177-201	4.8	84
122	A monolithic PNGase F enzyme microreactor enabling glycan mass mapping of glycoproteins by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 1730-8	2.2	79
121	Solid-phase permethylation of glycans for mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3421-8	2.2	248
120	Automated interpretation of MS/MS spectra of oligosaccharides. <i>Bioinformatics</i> , 2005 , 21 Suppl 1, i431-97.2		89
119	Temperature-dependent spectral density analysis applied to monitoring backbone dynamics of major urinary protein-I complexed with the pheromone 2- sec-butyl-4,5-dihydrothiazole. <i>Journal of Biomolecular NMR</i> , 2004 , 28, 369-84	3	47
118	Analytical characterization of a facile porous polymer monolithic trypsin microreactor enabling peptide mass mapping using mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1374-82	2.2	84
117	Enhanced post-source decay and cross-ring fragmentation of oligosaccharides facilitated by conversion to amino derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 1513-8	2.2	8
116	Microdeposition device interfacing capillary electrochromatography and microcolumn liquid chromatography with matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 6698-706	7.8	63
115	Structural characterization of oligosaccharides using MALDI-TOF/TOF tandem mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 4895-903	7.8	183

114	Structural characterization of neutral oligosaccharide mixtures through a combination of capillary electrochromatography and ion trap tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 599-608	4.4	45
113	Complexation trends and binding constants between dextrin oligomers and small molecules as measured through affinity capillary electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 2914-23	3.6	8
112	Sensitive analyses of agricultural chemicals by capillary electrochromatography. <i>Journal of Separation Science</i> , 2003 , 26, 1635-1642	3.4	13
111	Thermodynamic analysis of binding between mouse major urinary protein-I and the pheromone 2-sec-butyl-4,5-dihydrothiazole. <i>Biochemistry</i> , 2003 , 42, 6302-9	3.2	57
110	Coupling capillary electrochromatography with electrospray Fourier transform mass spectrometry for characterizing complex oligosaccharide pools. <i>Analytical Chemistry</i> , 2003 , 75, 1684-90	7.8	60
109	Pheromone binding by polymorphic mouse major urinary proteins. <i>Protein Science</i> , 2002 , 11, 2247-56	6.3	92
108	Matrix-assisted laser desorption/ionization mass spectrometry compatible beta-elimination of O-linked oligosaccharides. <i>Rapid Communications in Mass Spectrometry</i> , 2002 , 16, 1199-204	2.2	66
107	Structural investigations of glycoconjugates at high sensitivity. <i>Chemical Reviews</i> , 2002 , 102, 321-69	68.1	299
106	Separation of neutral saccharide mixtures with capillary electrochromatography using hydrophilic monolithic columns. <i>Analytical Chemistry</i> , 2002 , 74, 5184-91	7.8	84
105	Determination of trace isoflavone phytoestrogens in biological materials by capillary electrochromatography. <i>Analytical Chemistry</i> , 2002 , 74, 5998-6005	7.8	38
104	Sugar-lectin interactions investigated through affinity capillary electrophoresis. <i>Biomedical Applications</i> , 2001 , 752, 207-16		28
103	Structural basis of pheromone binding to mouse major urinary protein (MUP-I). <i>Protein Science</i> , 2001 , 10, 997-1004	6.3	86
102	Neuropharmacology. Odorants may arouse instinctive behaviours. <i>Nature</i> , 2001 , 412, 142	50.4	173
101	Microscale nonreductive release of O-linked glycans for subsequent analysis through MALDI mass spectrometry and capillary electrophoresis. <i>Analytical Chemistry</i> , 2001 , 73, 6063-9	7.8	195
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