## Milos V Novotny

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A graphical representation of glycan heterogeneity. Glycobiology, 2022, 32, 201-207.	1.3	4
2	Fractionation and characterization of sialyl linkage isomers of serum Nâ€glycans by CE–MS. Journal of Separation Science, 2022, 45, 3348-3361.	1.3	2
3	N-Glycome changes reflecting resistance to platinum-based chemotherapy in ovarian cancer. Journal of Proteomics, 2021, 230, 103964.	1.2	16
4	Composition and compound proportions affect the response to complex chemical signals in a spiny lizard. Behavioral Ecology and Sociobiology, 2021, 75, 1.	0.6	11
5	Compounds from plantar foot sweat, nesting material, and urine show strain patterns associated with agonistic and affiliative behaviors in group housed male mice, Mus musculus. PLoS ONE, 2021, 16, e0251416.	1.1	5
6	Glycoproteomic Analysis of Human Urinary Exosomes. Analytical Chemistry, 2020, 92, 14357-14365.	3.2	12
7	Exosome-Mediated Crosstalk between Keratinocytes and Macrophages in Cutaneous Wound Healing. ACS Nano, 2020, 14, 12732-12748.	7.3	106
8	Structural Identification, Synthesis and Biological Activity of Two Volatile Cyclic Dipeptides in a Terrestrial Vertebrate. Scientific Reports, 2020, 10, 4303.	1.6	10
9	Charge Detection Mass Spectrometry Measurements of Exosomes and other Extracellular Particles Enriched from Bovine Milk. Analytical Chemistry, 2020, 92, 3285-3292.	3.2	32
10	Volatile fatty acid and aldehyde abundances evolve with behavior and habitat temperature in Sceloporus lizards. Behavioral Ecology, 2020, 31, 978-991.	1.0	21
11	Odorants differentiate Australian Rattus with increased complexity in sympatry. Records of the Australian Museum, 2020, 72, 271-286.	0.3	2
12	Experimental evidence that symbiotic bacteria produce chemical cues in a songbird. Journal of Experimental Biology, 2019, 222, .	0.8	33
13	In-Depth Compositional and Structural Characterization of N-Glycans Derived from Human Urinary Exosomes. Analytical Chemistry, 2019, 91, 13528-13537.	3.2	37
14	Highly Sensitive O-Glycan Profiling for Human Serum Proteins Reveals Gender-Dependent Changes in Colorectal Cancer Patients. Analytical Chemistry, 2019, 91, 6180-6189.	3.2	16
15	Chemical profiles reflect heterozygosity and seasonality in a tropical lekking passerine bird. Animal Behaviour, 2019, 151, 67-75.	0.8	12
16	The minimum information required for a glycomics experiment (MIRAGE) project: LC guidelines. Glycobiology, 2019, 29, 349-354.	1.3	30
17	Beta-caryophyllene enhances wound healing through multiple routes. PLoS ONE, 2019, 14, e0216104.	1.1	60
18	Microgradient separation technique for purification and fractionation of permethylated Nâ€glycans before mass spectrometric analyses. Journal of Separation Science, 2018, 41, 1973-1982.	1.3	17

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19	Songbird chemical signals reflect uropygial gland androgen sensitivity and predict aggression: implications for the role of the periphery in chemosignaling. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2018, 204, 5-15.	0.7	25
20	Analytical Scheme Leading to Integrated High-Sensitivity Profiling of Glycosphingolipids Together with <i>N</i> - and <i>O</i> -Glycans from One Sample. Journal of the American Society for Mass Spectrometry, 2018, 29, 1125-1137.	1.2	9
21	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	1.3	69
22	Comprehensive Analytical Approach toward Glycomic Characterization and Profiling in Urinary Exosomes. Analytical Chemistry, 2017, 89, 5364-5372.	3.2	41
23	Capillary electrophoresis–mass spectrometry for direct structural identification of serum N-glycans. Journal of Chromatography A, 2017, 1523, 127-139.	1.8	47
24	Development of capillary liquid chromatography: A personal perspective. Journal of Chromatography A, 2017, 1523, 3-16.	1.8	33
25	Recent Advances in the Analysis of Complex Glycoproteins. Analytical Chemistry, 2017, 89, 389-413.	3.2	106
26	Social Environment Has a Primary Influence on the Microbial and Odor Profiles of a Chemically Signaling Songbird. Frontiers in Ecology and Evolution, 2016, 4, .	1.1	45
27	Urinary volatile compounds differ across reproductive phenotypes and following aggression in male Siberian hamsters. Physiology and Behavior, 2016, 164, 58-67.	1.0	7
28	Complementary Glycomic Analyses of Sera Derived from Colorectal Cancer Patients by MALDI-TOF-MS and Microchip Electrophoresis. Analytical Chemistry, 2016, 88, 9597-9605.	3.2	43
29	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	1.3	62
30	Structural Characterization of Serum N-Glycans by Methylamidation, Fluorescent Labeling, and Analysis by Microchip Electrophoresis. Analytical Chemistry, 2016, 88, 8965-8971.	3.2	44
31	Evolutionary Interactions Between Visual and Chemical Signals: Chemosignals Compensate for the Loss of a Visual Signal in Male Sceloporus Lizards. Journal of Chemical Ecology, 2016, 42, 1164-1174.	0.9	26
32	Protocol for the purification of protected carbohydrates: toward coupling automated synthesis to alternate-pump recycling high-performance liquid chromatography. Chemical Communications, 2016, 52, 13253-13256.	2.2	29
33	Volatile organic compounds (VOCs) drive nutrient foraging in the clonal woodland strawberry, Fragaria vesca. Plant and Soil, 2016, 407, 261-274.	1.8	11
34	Photoperiod and aggression induce changes in ventral gland compounds exclusively in male Siberian hamsters. Hormones and Behavior, 2016, 81, 1-11.	1.0	10
35	Are single odorous components of a predator sufficient to elicit defensive behaviors in prey species?. Frontiers in Neuroscience, 2015, 9, 263.	1.4	67
36	Behavioral responses of predator-naÃ <sup>-</sup> ve dwarf hamsters (Phodopus campbelli) to odor cues of the European ferret fed with different prey species. Physiology and Behavior, 2015, 146, 57-66.	1.0	24

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37	MIRAGE: The minimum information required for a glycomics experiment. Glycobiology, 2014, 24, 402-406.	1.3	116
38	Variation in Preen Oil Composition Pertaining to Season, Sex, and Genotype in the Polymorphic White-Throated Sparrow. Journal of Chemical Ecology, 2014, 40, 1025-1038.	0.9	30
39	Pheromone-induced cell proliferation in the murine subventricular zone. Biochemical Society Transactions, 2014, 42, 882-885.	1.6	8
40	Modulation of social behavior by the agouti pigmentation gene. Frontiers in Behavioral Neuroscience, 2014, 8, 259.	1.0	7
41	Bird odour predicts reproductive success. Animal Behaviour, 2013, 86, 697-703.	0.8	61
42	Sub 2-μm Macroporous Silica Particles Derivatized for Enhanced Lectin Affinity Enrichment of Glycoproteins. Analytical Chemistry, 2013, 85, 1905-1912.	3.2	49
43	Comparative Profiling of N-Glycans Isolated from Serum Samples of Ovarian Cancer Patients and Analyzed by Microchip Electrophoresis. Journal of Proteome Research, 2013, 12, 4490-4496.	1.8	51
44	Analytical glycobiology at high sensitivity: current approaches and directions. Glycoconjugate Journal, 2013, 30, 89-117.	1.4	57
45	Editorial overview. Current Opinion in Chemical Biology, 2013, 17, 776-778.	2.8	0
46	Chemosignaling diversity in songbirds: Chromatographic profiling of preen oil volatiles in different species. Journal of Chromatography A, 2013, 1317, 186-192.	1.8	41
47	Recent trends in analytical and structural glycobiology. Current Opinion in Chemical Biology, 2013, 17, 832-840.	2.8	49
48	High-sensitivity Analytical Approaches for the Structural Characterization of Glycoproteins. Chemical Reviews, 2013, 113, 2668-2732.	23.0	276
49	Structural Glycomic Analyses at High Sensitivity: A Decade of Progress. Annual Review of Analytical Chemistry, 2013, 6, 237-265.	2.8	57
50	Isolation and Purification of Glycoconjugates from Complex Biological Sources by Recycling High-Performance Liquid Chromatography. Analytical Chemistry, 2013, 85, 10408-10416.	3.2	22
51	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	2.5	103
52	Stimulation of cell proliferation in the subventricular zone by synthetic murine pheromones. Frontiers in Behavioral Neuroscience, 2013, 7, 101.	1.0	22
53	Analysis of Volatile Mouse Pheromones by Gas Chromatography Mass Spectrometry. Methods in Molecular Biology, 2013, 1068, 29-45.	0.4	2
54	Smoking and lung cancer-induced changes in N-glycosylation of blood serum proteins. Glycobiology, 2012, 22, 1684-1708.	1.3	75

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55	Glycomic and Proteomic Profiling of Pancreatic Cyst Fluids Identifies Hyperfucosylated Lactosamines on the N-linked Glycans of Overexpressed Glycoproteins. Molecular and Cellular Proteomics, 2012, 11, M111.015792-1-M111.015792-11.	2.5	46
56	Characterization of Protein Glycosylation in Francisella tularensis subsp. holarctica. Molecular and Cellular Proteomics, 2012, 11, M111.015016-1-M111.015016-12.	2.5	36
57	N-linked Glycan Structures and Their Expressions Change in the Blood Sera of Ovarian Cancer Patients. Journal of Proteome Research, 2012, 11, 2282-2300.	1.8	174
58	Use of magnetic hydrazide-modified polymer microspheres for enrichment of Francisella tularensis glycoproteins. Soft Matter, 2012, 8, 2775.	1.2	22
59	Delineating Diseases by IMS-MS Profiling of Serum N-linked Glycans. Journal of Proteome Research, 2012, 11, 576-585.	1.8	48
60	Uptake and incorporation of sialic acid by the tick Ixodes ricinus. Journal of Insect Physiology, 2012, 58, 1277-1287.	0.9	13
61	Examination of Glycan Profiles from IgC-Depleted Human Immunoglobulins Facilitated by Microscale Affinity Chromatography. Analytical Chemistry, 2012, 84, 3269-3277.	3.2	11
62	Investigation of Scents on Cheeks and Foreheads of Large Felines in Connection to the Facial Marking Behavior. Journal of Chemical Ecology, 2012, 38, 145-156.	0.9	21
63	Increased Protein Nitration in Mitochondrial Diseases: Evidence for Vessel Wall Involvement. Molecular and Cellular Proteomics, 2011, 10, M110.002964.	2.5	39
64	Glycomic alterations in the highly-abundant and lesser-abundant blood serum protein fractions for patients diagnosed with hepatocellular carcinoma. International Journal of Mass Spectrometry, 2011, 305, 185-198.	0.7	17
65	Role of Testosterone in Stimulating Seasonal Changes in a Potential Avian Chemosignal. Journal of Chemical Ecology, 2011, 37, 1349-1357.	0.9	47
66	Microchip electrophoresis of <i>N</i> â€glycans on serpentine separation channels with asymmetrically tapered turns. Electrophoresis, 2011, 32, 246-253.	1.3	34
67	Analysis of Volatile Organic Compounds in Human Saliva by a Static Sorptive Extraction Method and Gas Chromatography-Mass Spectrometry. Journal of Chemical Ecology, 2010, 36, 1035-1042.	0.9	78
68	Comparative glycomic profiling in esophageal adenocarcinoma. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 1216-1223.	0.4	15
69	A quantitative investigation of fucosylated serum glycoproteins with application to esophageal adenocarcinoma. Electrophoresis, 2010, 31, 1833-1841.	1.3	27
70	Sequential enrichment of sulfated glycans by strong anion-exchange chromatography prior to mass spectrometric measurements. Journal of the American Society for Mass Spectrometry, 2010, 21, 348-357.	1.2	22
71	High resolution Xâ€ray structures of mouse major urinary protein nasal isoform in complex with pheromones. Protein Science, 2010, 19, 1469-1479.	3.1	23
72	Mapping siteâ€specific protein Nâ€glycosylations through liquid chromatography/mass spectrometry and targeted tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 965-972.	0.7	39

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73	High-Sensitivity Analytical Approaches to the Analysis of N-Glycans. , 2010, , 1-43.		2
74	Analysis of Site-specific Glycosylation of Renal and Hepatic γ-Glutamyl Transpeptidase from Normal Human Tissue. Journal of Biological Chemistry, 2010, 285, 29511-29524.	1.6	45
75	Songbird chemosignals: volatile compounds in preen gland secretions vary among individuals, sexes, and populations. Behavioral Ecology, 2010, 21, 608-614.	1.0	99
76	Identification of N-Glycan Serum Markers Associated with Hepatocellular Carcinoma from Mass Spectrometry Data. Journal of Proteome Research, 2010, 9, 104-112.	1.8	63
77	Glycomic Analysis of Sialic Acid Linkages in Glycans Derived from Blood Serum Glycoproteins. Journal of Proteome Research, 2010, 9, 3062-3072.	1.8	136
78	Chip-based Reversed-phase Liquid Chromatographyâ^'Mass Spectrometry of Permethylated N-Linked Glycans: A Potential Methodology for Cancer-biomarker Discovery. Analytical Chemistry, 2010, 82, 5095-5106.	3.2	153
79	Effects of Lead and Mercury on the Blood Proteome of Children. Journal of Proteome Research, 2010, 9, 4443-4453.	1.8	27
80	Multimethodological Approach to Identification of Glycoproteins from the Proteome of <i>Francisella tularensis</i> , an Intracellular Microorganism. Journal of Proteome Research, 2010, 9, 1995-2005.	1.8	45
81	Detection of Hepatocellular Carcinoma Using Glycomic Analysis. Clinical Cancer Research, 2009, 15, 1808-1813.	3.2	133
82	Glycomic analysis by capillary electrophoresis–mass spectrometry. Mass Spectrometry Reviews, 2009, 28, 207-222.	2.8	92
83	Structural analysis of sulfated glycans by sequential double-permethylation using methyl iodide and deuteromethyl iodide. Journal of the American Society for Mass Spectrometry, 2009, 20, 1660-1671.	1.2	53
84	Glycomic profiling of invasive and non-invasive breast cancer cells. Glycoconjugate Journal, 2009, 26, 117-131.	1.4	80
85	Comparison of Urinary Scents of Two Related Mouse Species, Mus spicilegus and Mus domesticus. Journal of Chemical Ecology, 2009, 35, 580-589.	0.9	30
86	Characterization of glycopeptides by combining collisionâ€induced dissociation and electronâ€transfer dissociation mass spectrometry data. Rapid Communications in Mass Spectrometry, 2009, 23, 161-170.	0.7	143
87	Use of activated graphitized carbon chips for liquid chromatography/mass spectrometric and tandem mass spectrometric analysis of tryptic glycopeptides. Rapid Communications in Mass Spectrometry, 2009, 23, 495-505.	0.7	61
88	Multiple-reaction monitoring liquid chromatography mass spectrometry for monosaccharide compositional analysis of glycoproteins. Journal of the American Society for Mass Spectrometry, 2009, 20, 1224-1234.	1.2	49
89	Enzymatic/Chemical Release of O-Glycans Allowing MS Analysis at High Sensitivity. Analytical Chemistry, 2009, 81, 9546-9552.	3.2	83
90	Pheromone binding by polymorphic mouse major urinary proteins. Protein Science, 2009, 11, 2247-2256.	3.1	109

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91	Thermodynamic consequences of disrupting a water-mediated hydrogen bond network in a protein:pheromone complex. Protein Science, 2009, 14, 249-256.	3.1	39
92	Quantitative Serum Glycomics of Esophageal Adenocarcinoma and Other Esophageal Disease Onsets. Journal of Proteome Research, 2009, 8, 2656-2666.	1.8	71
93	Solid-Phase Permethylation for Glycomic Analysis. , 2009, 534, 53-64.		59
94	Assigning Glycosylation Sites and Microheterogeneities in Glycoproteins by Liquid Chromatography/Tandem Mass Spectrometry. Methods in Molecular Biology, 2009, 492, 161-180.	0.4	5
95	Identification of isomeric N-glycan structures by mass spectrometry with 157 nm laser-induced photofragmentation. Journal of the American Society for Mass Spectrometry, 2008, 19, 1027-1040.	1.2	62
96	Chronic exposure of cat odor enhances aggression, urinary attractiveness and sex pheromones of mice. Journal of Ethology, 2008, 26, 279-286.	0.4	20
97	Highâ€throughput solidâ€phase permethylation of glycans prior to mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 721-734.	0.7	193
98	A computational approach to characterizing bond linkages of glycan isomers using matrixâ€assisted laser desorption/ionization tandem timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 3561-3569.	0.7	4
99	ProteinQuant Suite: a bundle of automated software tools for labelâ€free quantitative proteomics. Rapid Communications in Mass Spectrometry, 2008, 22, 3823-3834.	0.7	52
100	Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. Journal of Separation Science, 2008, 31, 2722-2732.	1.3	59
101	Resolving and assigning N-linked glycan structural isomers from ovalbumin by IMS-MS. Journal of the American Society for Mass Spectrometry, 2008, 19, 1706-1715.	1.2	130
102	Biochemical individuality reflected in chromatographic, electrophoretic and mass-spectrometric profiles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 866, 26-47.	1.2	39
103	Quantitative chiral analysis of salsolinol in different brain regions of rats genetically predisposed to alcoholism. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 863, 206-214.	1.2	33
104	Analysis of MALDI-TOF Mass Spectrometry Data for Discovery of Peptide and Glycan Biomarkers of Hepatocellular Carcinoma. Journal of Proteome Research, 2008, 7, 603-610.	1.8	58
105	Glycoprotein Enrichment Through Lectin Affinity Techniques. Methods in Molecular Biology, 2008, 424, 373-396.	0.4	74
106	Breast Cancer Diagnosis and Prognosis through Quantitative Measurements of Serum Glycan Profiles. Clinical Chemistry, 2008, 54, 1166-1175.	1.5	227
107	Integrated peptide and glycan biomarker discovery using MALDI-TOF mass spectrometry. , 2008, 2008, 3791-4.		4

108 Volatile Mammalian Chemosignals: Structural and Quantitative Aspects. , 2008, , 13-23.

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109	Analysis of MALDI-TOF mass spectrometry data for detection of glycan biomarkers. Pacific Symposium on Biocomputing, 2008, , 216-27.	0.7	4
110	Comparative Glycomic Mapping through Quantitative Permethylation and Stable-Isotope Labeling. Analytical Chemistry, 2007, 79, 6064-6073.	3.2	158
111	A novel function of VCP (valosin-containing protein; p97) in the control of N-glycosylation of proteins in the endoplasmic reticulum. Archives of Biochemistry and Biophysics, 2007, 462, 62-73.	1.4	15
112	Individual and gender fingerprints in human body odour. Journal of the Royal Society Interface, 2007, 4, 331-340.	1.5	320
113	Application of Dissimilarity Indices, Principal Coordinates Analysis, and Rank Tests to Peak Tables in Metabolomics of the Gas Chromatography/Mass Spectrometry of Human Sweat. Analytical Chemistry, 2007, 79, 5633-5641.	3.2	37
114	Comparison of the methods for profiling glycoprotein glycans—HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. Glycobiology, 2007, 17, 411-422.	1.3	382
115	Alterations in the Serum Glycome Due to Metastatic Prostate Cancer. Journal of Proteome Research, 2007, 6, 1822-1832.	1.8	215
116	Electrophoretic Analysis of N-Glycans on Microfluidic Devices. Analytical Chemistry, 2007, 79, 7170-7175.	3.2	88
117	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. Journal of Proteome Research, 2007, 6, 124-132.	1.8	14
118	Technical Aspects of Glycoprotein Enrichment. , 2007, , 267-298.		0
119	Pattern recognition of gas chromatography mass spectrometry of human volatiles in sweat to distinguish the sex of subjects and determine potential discriminatory marker peaks. Chemometrics and Intelligent Laboratory Systems, 2007, 87, 161-172.	1.8	64
120	High-sensitivity profiling of glycoproteins from human blood serum through multiple-lectin affinity chromatography and liquid chromatography/tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 845, 121-137.	1.2	71
121	Laser-induced photofragmentation of neutral and acidic glycans inside an ion-trap mass spectrometer. Rapid Communications in Mass Spectrometry, 2007, 21, 1452-1460.	0.7	48
122	Porous polyacrylamide monoliths in hydrophilic interaction capillary electrochromatography of oligosaccharides. Journal of Proteomics, 2007, 70, 3-13.	2.4	24
123	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. Metabolomics, 2007, 3, 427-437.	1.4	43
124	Mice Respond Differently to Urine and Its Major Volatile Constituents from Male and Female Ferrets. Journal of Chemical Ecology, 2007, 33, 603-612.	0.9	21
125	Chemical Identification of MHC-influenced Volatile Compounds in Mouse Urine. I: Quantitative Proportions of Major Chemosignals. Journal of Chemical Ecology, 2007, 33, 417-434.	0.9	55
126	A Computational Approach for the Identification of Site-Specific Protein Glycosylations Through Ion-Trap Mass Spectrometry. Lecture Notes in Computer Science, 2007, , 96-107.	1.0	3

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127	Determination of Salsolinol and Related Catecholamines through On-Line Preconcentration and Liquid Chromatography/Atmospheric Pressure Photoionization Mass Spectrometry. Analytical Chemistry, 2006, 78, 3342-3347.	3.2	38
128	In Situ Surface Sampling of Biological Objects and Preconcentration of Their Volatiles for Chromatographic Analysis. Analytical Chemistry, 2006, 78, 7161-7168.	3.2	69
129	Semiautomated High-Sensitivity Profiling of Human Blood Serum Glycoproteins through Lectin Preconcentration and Multidimensional Chromatography/Tandem Mass Spectrometry. Journal of Proteome Research, 2006, 5, 2348-2363.	1.8	75
130	Differentiating structural isomers of sialylated glycans by matrix-assisted laser desorption/ionization time-of-flight/time-of-flight tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 1381-1389.	0.7	86
131	Changes in liver protein abundance in inbred alcohol-preferring rats due to chronic alcohol exposure, as measured through a proteomics approach. Proteomics, 2006, 6, 3060-3074.	1.3	20
132	Miniaturized separation techniques in glycomic investigations. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 841, 65-78.	1.2	68
133	Seasonal Variation in Volatile Compound Profiles of Preen Gland Secretions of the Dark-eyed Junco (Junco hyemalis). Journal of Chemical Ecology, 2006, 33, 183-198.	0.9	92
134	An automated method for peak detection and matching in large gas chromatography-mass spectrometry data sets. Journal of Chemometrics, 2006, 20, 325-340.	0.7	53
135	ADVANCEMENT IN PROTEIN INFERENCE FROM SHOTGUN PROTEOMICS USING PEPTIDE DETECTABILITY. , 2006,		22
136	Comprehensive assessment ofN-glycans derived from a murine monoclonal antibody: A case for multimethodological approach. Electrophoresis, 2005, 26, 2034-2046.	1.3	73
137	New hyphenated methodologies in high-sensitivity glycoprotein analysis. Journal of Separation Science, 2005, 28, 1956-1968.	1.3	100
138	Stir Bar Sorptive Extraction: A New Quantitative and Comprehensive Sampling Technique for Determination of Chemical Signal Profiles from Biological Media. Journal of Chemical Ecology, 2005, 31, 377-392.	0.9	64
139	Comparative Investigation of the Volatile Urinary Profiles in Different Phodopus Hamster Species. Journal of Chemical Ecology, 2005, 31, 1125-1143.	0.9	30
140	A proteomic survey of rat cerebral cortical synaptosomes. Proteomics, 2005, 5, 2177-2201.	1.3	97
141	A monolithic PNGase F enzyme microreactor enabling glycan mass mapping of glycoproteins by mass spectrometry. Rapid Communications in Mass Spectrometry, 2005, 19, 1730-1738.	0.7	84
142	Solid-phase permethylation of glycans for mass spectrometric analysis. Rapid Communications in Mass Spectrometry, 2005, 19, 3421-3428.	0.7	278
143	Automated interpretation of MS/MS spectra of oligosaccharides. Bioinformatics, 2005, 21, i431-i439.	1.8	101
144	Combining Lectin Microcolumns with High-Resolution Separation Techniques for Enrichment of Glycoproteins and Glycopeptides. Analytical Chemistry, 2005, 77, 4081-4090.	3.2	133

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145	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*. Journal of Biomolecular NMR, 2004, 28, 369-384.	1.6	50
146	Analytical characterization of a facile porous polymer monolithic trypsin microreactor enabling peptide mass mapping using mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1374-1382.	0.7	87
147	Enhanced post-source decay and cross-ring fragmentation of oligosaccharides facilitated by conversion to amino derivatives. Rapid Communications in Mass Spectrometry, 2004, 18, 1513-1518.	0.7	9
148	Microdeposition Device Interfacing Capillary Electrochromatography and Microcolumn Liquid Chromatography with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2004, 76, 6698-6706.	3.2	68
149	Structural Characterization of Oligosaccharides Using Maldi-TOF/TOF Tandem Mass Spectrometry. Analytical Chemistry, 2003, 75, 4895-4903.	3.2	193
150	Structural characterization of neutral oligosaccharide mixtures through a combination of capillary electrochromatography and ion trap tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2003, 375, 599-608.	1.9	47
151	Complexation trends and binding constants between dextrin oligomers and small molecules as measured through affinity capillary electrophoresis. Electrophoresis, 2003, 24, 2914-2923.	1.3	8
152	Sensitive analyses of agricultural chemicals by capillary electrochromatography. Journal of Separation Science, 2003, 26, 1635-1642.	1.3	15
153	Thermodynamic Analysis of Binding between Mouse Major Urinary Protein-I and the Pheromone 2-sec-Butyl-4,5-dihydrothiazoleâ€. Biochemistry, 2003, 42, 6302-6309.	1.2	66
154	Coupling Capillary Electrochromatography with Electrospray Fourier Transform Mass Spectrometry for Characterizing Complex Oligosaccharide Pools. Analytical Chemistry, 2003, 75, 1684-1690.	3.2	67
155	Structural Investigations of Glycoconjugates at High Sensitivity. Chemical Reviews, 2002, 102, 321-370.	23.0	320
156	Separation of Neutral Saccharide Mixtures with Capillary Electrochromatography Using Hydrophilic Monolithic Columns. Analytical Chemistry, 2002, 74, 5184-5191.	3.2	89
157	Determination of Trace Isoflavone Phytoestrogens in Biological Materials by Capillary Electrochromatography. Analytical Chemistry, 2002, 74, 5998-6005.	3.2	42
158	Matrix-assisted laser desorption/ionization mass spectrometry compatible ?-elimination of O-linked oligosaccharides. Rapid Communications in Mass Spectrometry, 2002, 16, 1199-1204.	0.7	70
159	Microscale Nonreductive Release of O-Linked Glycans for Subsequent Analysis through MALDI Mass Spectrometry and Capillary Electrophoresis. Analytical Chemistry, 2001, 73, 6063-6069.	3.2	210
160	Sugar–lectin interactions investigated through affinity capillary electrophoresis. Biomedical Applications, 2001, 752, 207-216.	1.7	34
161	Structural basis of pheromone binding to mouse major urinary protein (MUP-I). Protein Science, 2001, 10, 997-1004.	3.1	101
162	Odorants may arouse instinctive behaviours. Nature, 2001, 412, 142-142.	13.7	203

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163	Affinity capillary electrophoretic studies of complexation between dextrin oligomers and polyiodides. Electrophoresis, 2000, 21, 1513-1520.	1.3	10
164	A simple sample preparation for enhancing the sensitivity of mass spectrometric oligosaccharide determinations through the use of an adsorptive hydrophobic resin. Rapid Communications in Mass Spectrometry, 2000, 14, 1233-1237.	0.7	15
165	Electrophoretic studies of polygalacturonate oligomers and their interactions with metal ions. Electrophoresis, 2000, 21, 3212-3219.	1.3	32
166	Steroid profiles determined by capillary electrochromatography, laser-induced fluorescence detection and electrospray–mass spectrometry. Journal of Chromatography A, 2000, 887, 379-391.	1.8	71
167	Ultrasensitive pheromone detection by mammalian vomeronasal neurons. Nature, 2000, 405, 792-796.	13.7	557
168	Changes in Glycosylation of Human Bile-Salt-Stimulated Lipase during Lactation. Archives of Biochemistry and Biophysics, 2000, 377, 246-254.	1.4	50
169	Analysis of Bile Acids and Their Conjugates by Capillary Electrochromatography/Electrospray Ion Trap Mass Spectrometry. Analytical Chemistry, 2000, 72, 2703-2710.	3.2	92
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