

Milos V Novotny

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/253737/publications.pdf>

Version: 2024-02-01

262
papers

16,155
citations

14124

69
h-index

27587

110
g-index

262
all docs

262
docs citations

262
times ranked

10815
citing authors

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

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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. | 0.7 | 25 |
| 20 | 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. | 1.2 | 9 |
| 21 | The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. <i>Glycobiology</i> , 2017, 27, 280-284. | 1.3 | 69 |
| 22 | Comprehensive Analytical Approach toward Glycomic Characterization and Profiling in Urinary Exosomes. <i>Analytical Chemistry</i> , 2017, 89, 5364-5372. | 3.2 | 41 |
| 23 | Capillary electrophoresis-mass spectrometry for direct structural identification of serum N-glycans. <i>Journal of Chromatography A</i> , 2017, 1523, 127-139. | 1.8 | 47 |
| 24 | Development of capillary liquid chromatography: A personal perspective. <i>Journal of Chromatography A</i> , 2017, 1523, 3-16. | 1.8 | 33 |
| 25 | Recent Advances in the Analysis of Complex Glycoproteins. <i>Analytical Chemistry</i> , 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. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, . | 1.1 | 45 |
| 27 | Urinary volatile compounds differ across reproductive phenotypes and following aggression in male Siberian hamsters. <i>Physiology and Behavior</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Glycobiology</i> , 2016, 26, 907-910. | 1.3 | 62 |
| 30 | Structural Characterization of Serum N-Glycans by Methylamidation, Fluorescent Labeling, and Analysis by Microchip Electrophoresis. <i>Analytical Chemistry</i> , 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. <i>Journal of Chemical Ecology</i> , 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. <i>Chemical Communications</i> , 2016, 52, 13253-13256. | 2.2 | 29 |
| 33 | 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. | 1.8 | 11 |
| 34 | Photoperiod and aggression induce changes in ventral gland compounds exclusively in male Siberian hamsters. <i>Hormones and Behavior</i> , 2016, 81, 1-11. | 1.0 | 10 |
| 35 | Are single odorous components of a predator sufficient to elicit defensive behaviors in prey species?. <i>Frontiers in Neuroscience</i> , 2015, 9, 263. | 1.4 | 67 |
| 36 | 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. | 1.0 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 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. <i>Journal of Chemical Ecology</i> , 2014, 40, 1025-1038. | 0.9 | 30 |
| 39 | Pheromone-induced cell proliferation in the murine subventricular zone. <i>Biochemical Society Transactions</i> , 2014, 42, 882-885. | 1.6 | 8 |
| 40 | Modulation of social behavior by the agouti pigmentation gene. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 259. | 1.0 | 7 |
| 41 | Bird odour predicts reproductive success. <i>Animal Behaviour</i> , 2013, 86, 697-703. | 0.8 | 61 |
| 42 | Sub 2- μ m Macroporous Silica Particles Derivatized for Enhanced Lectin Affinity Enrichment of Glycoproteins. <i>Analytical Chemistry</i> , 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. <i>Journal of Proteome Research</i> , 2013, 12, 4490-4496. | 1.8 | 51 |
| 44 | Analytical glycomics at high sensitivity: current approaches and directions. <i>Glycoconjugate Journal</i> , 2013, 30, 89-117. | 1.4 | 57 |
| 45 | Editorial overview. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 776-778. | 2.8 | 0 |
| 46 | Chemosignaling diversity in songbirds: Chromatographic profiling of preen oil volatiles in different species. <i>Journal of Chromatography A</i> , 2013, 1317, 186-192. | 1.8 | 41 |
| 47 | Recent trends in analytical and structural glycomics. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 832-840. | 2.8 | 49 |
| 48 | High-sensitivity Analytical Approaches for the Structural Characterization of Glycoproteins. <i>Chemical Reviews</i> , 2013, 113, 2668-2732. | 23.0 | 276 |
| 49 | Structural Glycomic Analyses at High Sensitivity: A Decade of Progress. <i>Annual Review of Analytical Chemistry</i> , 2013, 6, 237-265. | 2.8 | 57 |
| 50 | Isolation and Purification of Glycoconjugates from Complex Biological Sources by Recycling High-Performance Liquid Chromatography. <i>Analytical Chemistry</i> , 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. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2935-2951. | 2.5 | 103 |
| 52 | Stimulation of cell proliferation in the subventricular zone by synthetic murine pheromones. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 101. | 1.0 | 22 |
| 53 | Analysis of Volatile Mouse Pheromones by Gas Chromatography Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2013, 1068, 29-45. | 0.4 | 2 |
| 54 | Smoking and lung cancer-induced changes in N-glycosylation of blood serum proteins. <i>Glycobiology</i> , 2012, 22, 1684-1708. | 1.3 | 75 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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, M111.015792-1-M111.015792-11. | 2.5 | 46 |
| 56 | Characterization of Protein Glycosylation in <i>Francisella tularensis</i> subsp. <i>holarctica</i> . <i>Molecular and Cellular Proteomics</i> , 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. <i>Journal of Proteome Research</i> , 2012, 11, 2282-2300. | 1.8 | 174 |
| 58 | Use of magnetic hydrazide-modified polymer microspheres for enrichment of <i>Francisella tularensis</i> glycoproteins. <i>Soft Matter</i> , 2012, 8, 2775. | 1.2 | 22 |
| 59 | Delineating Diseases by IMS-MS Profiling of Serum N-linked Glycans. <i>Journal of Proteome Research</i> , 2012, 11, 576-585. | 1.8 | 48 |
| 60 | Uptake and incorporation of sialic acid by the tick <i>Ixodes ricinus</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 1277-1287. | 0.9 | 13 |
| 61 | Examination of Glycan Profiles from IgG-Depleted Human Immunoglobulins Facilitated by Microscale Affinity Chromatography. <i>Analytical Chemistry</i> , 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. <i>Journal of Chemical Ecology</i> , 2012, 38, 145-156. | 0.9 | 21 |
| 63 | Increased Protein Nitration in Mitochondrial Diseases: Evidence for Vessel Wall Involvement. <i>Molecular and Cellular Proteomics</i> , 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. <i>International Journal of Mass Spectrometry</i> , 2011, 305, 185-198. | 0.7 | 17 |
| 65 | Role of Testosterone in Stimulating Seasonal Changes in a Potential Avian Chemosignal. <i>Journal of Chemical Ecology</i> , 2011, 37, 1349-1357. | 0.9 | 47 |
| 66 | Microchip electrophoresis of N-glycans on serpentine separation channels with asymmetrically tapered turns. <i>Electrophoresis</i> , 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. <i>Journal of Chemical Ecology</i> , 2010, 36, 1035-1042. | 0.9 | 78 |
| 68 | Comparative glycomic profiling in esophageal adenocarcinoma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, 1216-1223. | 0.4 | 15 |
| 69 | A quantitative investigation of fucosylated serum glycoproteins with application to esophageal adenocarcinoma. <i>Electrophoresis</i> , 2010, 31, 1833-1841. | 1.3 | 27 |
| 70 | 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, 348-357. | 1.2 | 22 |
| 71 | High resolution X-ray structures of mouse major urinary protein nasal isoform in complex with pheromones. <i>Protein Science</i> , 2010, 19, 1469-1479. | 3.1 | 23 |
| 72 | 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, 965-972. | 0.7 | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 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 \hat{I}^3 -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 Chromatography~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, <i>Mus spicilegus</i> and <i>Mus domesticus</i> . Journal of Chemical Ecology, 2009, 35, 580-589. | 0.9 | 30 |
| 86 | Characterization of glycopeptides by combining collision~induced dissociation and electron~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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Thermodynamic consequences of disrupting a water-mediated hydrogen bond network in a protein:pheromone complex. <i>Protein Science</i> , 2009, 14, 249-256. | 3.1 | 39 |
| 92 | Quantitative Serum Glycomics of Esophageal Adenocarcinoma and Other Esophageal Disease Onsets. <i>Journal of Proteome Research</i> , 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. <i>Methods in Molecular Biology</i> , 2009, 492, 161-180. | 0.4 | 5 |
| 95 | Identification of isomeric N-glycan structures by mass spectrometry with 157 nm laser-induced photofragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1027-1040. | 1.2 | 62 |
| 96 | Chronic exposure of cat odor enhances aggression, urinary attractiveness and sex pheromones of mice. <i>Journal of Ethology</i> , 2008, 26, 279-286. | 0.4 | 20 |
| 97 | High-throughput solid-phase permethylation of glycans prior to mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 721-734. | 0.7 | 193 |
| 98 | 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, 3561-3569. | 0.7 | 4 |
| 99 | ProteinQuant Suite: a bundle of automated software tools for label-free quantitative proteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3823-3834. | 0.7 | 52 |
| 100 | Efficacy of glycoprotein enrichment by microscale lectin affinity chromatography. <i>Journal of Separation Science</i> , 2008, 31, 2722-2732. | 1.3 | 59 |
| 101 | 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, 1706-1715. | 1.2 | 130 |
| 102 | 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. | 1.2 | 39 |
| 103 | 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, 206-214. | 1.2 | 33 |
| 104 | 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, 603-610. | 1.8 | 58 |
| 105 | Glycoprotein Enrichment Through Lectin Affinity Techniques. <i>Methods in Molecular Biology</i> , 2008, 424, 373-396. | 0.4 | 74 |
| 106 | Breast Cancer Diagnosis and Prognosis through Quantitative Measurements of Serum Glycan Profiles. <i>Clinical Chemistry</i> , 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. | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Analysis of MALDI-TOF mass spectrometry data for detection of glycan biomarkers. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2008, , 216-27. | 0.7 | 4 |
| 110 | Comparative Glycomic Mapping through Quantitative Permethylated 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 glycansâ€™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 spectrometryâ€™ 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Determination of Salsolinol and Related Catecholamines through On-Line Preconcentration and Liquid Chromatography/Atmospheric Pressure Photoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 3342-3347. | 3.2 | 38 |
| 128 | In Situ Surface Sampling of Biological Objects and Preconcentration of Their Volatiles for Chromatographic Analysis. <i>Analytical Chemistry</i> , 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. <i>Journal of Proteome Research</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 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. <i>Proteomics</i> , 2006, 6, 3060-3074. | 1.3 | 20 |
| 132 | Miniaturized separation techniques in glycomic investigations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 841, 65-78. | 1.2 | 68 |
| 133 | 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> , 2006, 33, 183-198. | 0.9 | 92 |
| 134 | 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. | 0.7 | 53 |
| 135 | ADVANCEMENT IN PROTEIN INFERENCE FROM SHOTGUN PROTEOMICS USING PEPTIDE DETECTABILITY. , 2006, , . | | 22 |
| 136 | Comprehensive assessment of N-glycans derived from a murine monoclonal antibody: A case for multimethodological approach. <i>Electrophoresis</i> , 2005, 26, 2034-2046. | 1.3 | 73 |
| 137 | New hyphenated methodologies in high-sensitivity glycoprotein analysis. <i>Journal of Separation Science</i> , 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. <i>Journal of Chemical Ecology</i> , 2005, 31, 377-392. | 0.9 | 64 |
| 139 | Comparative Investigation of the Volatile Urinary Profiles in Different <i>Phodopus</i> Hamster Species. <i>Journal of Chemical Ecology</i> , 2005, 31, 1125-1143. | 0.9 | 30 |
| 140 | A proteomic survey of rat cerebral cortical synaptosomes. <i>Proteomics</i> , 2005, 5, 2177-2201. | 1.3 | 97 |
| 141 | A monolithic PNGase F enzyme microreactor enabling glycan mass mapping of glycoproteins by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1730-1738. | 0.7 | 84 |
| 142 | Solid-phase permethylation of glycans for mass spectrometric analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3421-3428. | 0.7 | 278 |
| 143 | Automated interpretation of MS/MS spectra of oligosaccharides. <i>Bioinformatics</i> , 2005, 21, i431-i439. | 1.8 | 101 |
| 144 | Combining Lectin Microcolumns with High-Resolution Separation Techniques for Enrichment of Glycoproteins and Glycopeptides. <i>Analytical Chemistry</i> , 2005, 77, 4081-4090. | 3.2 | 133 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 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-dihydrothiazole. 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 β -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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 163 | Affinity capillary electrophoretic studies of complexation between dextrin oligomers and polyiodides. <i>Electrophoresis</i> , 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. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1233-1237. | 0.7 | 15 |
| 165 | Electrophoretic studies of polygalacturonate oligomers and their interactions with metal ions. <i>Electrophoresis</i> , 2000, 21, 3212-3219. | 1.3 | 32 |
| 166 | Steroid profiles determined by capillary electrochromatography, laser-induced fluorescence detection and electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 887, 379-391. | 1.8 | 71 |
| 167 | Ultrasensitive pheromone detection by mammalian vomeronasal neurons. <i>Nature</i> , 2000, 405, 792-796. | 13.7 | 557 |
| 168 | Changes in Glycosylation of Human Bile-Salt-Stimulated Lipase during Lactation. <i>Archives of Biochemistry and Biophysics</i> , 2000, 377, 246-254. | 1.4 | 50 |
| 169 | Analysis of Bile Acids and Their Conjugates by Capillary Electrochromatography/Electrospray Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 2703-2710. | 3.2 | 92 |
| 170 | Structural characterization of the N-linked oligosaccharides in bile salt-stimulated lipase originated from human breast milk. <i>Glycobiology</i> , 1999, 9, 227-234. | 1.3 | 35 |
| 171 | Tandem mass spectrometry of model peptides modified with trans-2-hexenal, a product of lipid peroxidation. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 613-624. | 1.2 | 23 |
| 172 | A unique urinary constituent, 6-hydroxy-6-methyl-3-heptanone, is a pheromone that accelerates puberty in female mice. <i>Chemistry and Biology</i> , 1999, 6, 377-383. | 6.2 | 116 |
| 173 | Increased protein backbone conformational entropy upon hydrophobic ligand binding. <i>Nature Structural Biology</i> , 1999, 6, 1118-1121. | 9.7 | 224 |
| 174 | N-Linked oligosaccharide structures in the diamine oxidase from porcine kidney. <i>Carbohydrate Research</i> , 1999, 323, 111-125. | 1.1 | 13 |
| 175 | Urinary Volatile Profiles of the Deermouse (<i>Peromyscus maniculatus</i>) Pertaining to Gender and Age. <i>Journal of Chemical Ecology</i> , 1999, 25, 417-431. | 0.9 | 26 |
| 176 | Mass Spectrometric Analysis of Benzoylated Sialooligosaccharides and Differentiation of Terminal α 3 and α 6 Sialogalactosylated Linkages at Subpicomole Levels. <i>Analytical Chemistry</i> , 1999, 71, 4969-4973. | 3.2 | 32 |
| 177 | Narrow-Band Collisional Activation Technique for Ion Trap Mass Spectrometers. <i>Analytical Chemistry</i> , 1999, 71, 2945-2950. | 3.2 | 7 |
| 178 | NMR Mapping of the Recombinant Mouse Major Urinary Protein I Binding Site Occupied by the Pheromone 2-sec-Butyl-4,5-dihydrothiazole. <i>Biochemistry</i> , 1999, 38, 9850-9861. | 1.2 | 65 |
| 179 | N-Linked Oligosaccharides of Vomeronodulin, a Putative Pheromone Transporter in Rat. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 451-455. | 1.0 | 17 |
| 180 | Recent Biochemical Insights into Puberty Acceleration, Estrus Induction, and Puberty Delay in the House Mouse. , 1999, , 99-116. | | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Matrix-assisted laser desorption/ionization mass spectrometry of neutral and acidic oligosaccharides with collision-induced dissociation. <i>Carbohydrate Research</i> , 1998, 313, 145-155. | 1.1 | 38 |
| 182 | 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> , 1998, 9, 1293-1302. | 1.2 | 49 |
| 183 | Complexation between Amylodextrin Oligomers and Selected Pharmaceuticals Measured through Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1998, 70, 3590-3597. | 3.2 | 22 |
| 184 | High-Resolution Studies of Hyaluronic Acid Mixtures through Capillary Gel Electrophoresis. <i>Analytical Chemistry</i> , 1998, 70, 568-573. | 3.2 | 50 |
| 185 | Reaction of N-Acetylglycyllysine Methyl Ester with 2-Alkenals: An Alternative Model for Covalent Modification of Proteins. <i>Chemical Research in Toxicology</i> , 1998, 11, 730-740. | 1.7 | 39 |
| 186 | Mass Spectrometric Mapping and Sequencing of N-Linked Oligosaccharides Derived from Submicrogram Amounts of Glycoproteins. <i>Analytical Chemistry</i> , 1998, 70, 455-463. | 3.2 | 133 |
| 187 | Role of the Adrenal Gland and Adrenal-Mediated Chemosignals in Suppression of Estrus in the House Mouse: The Lee-Boot Effect Revisited ¹ . <i>Biology of Reproduction</i> , 1998, 59, 1317-1320. | 1.2 | 87 |
| 188 | 2-Methyl-3-oxo-4-phenyl-2,3-dihydrofuran-2-yl Acetate: A Fluorogenic Reagent for Detection and Analysis of Primary Amines. <i>Analytical Chemistry</i> , 1997, 69, 2806-2811. | 3.2 | 19 |
| 189 | Aminodextran as a Migration Moderator in Capillary Gel Electrophoresis of Charged Polysaccharides. <i>Analytical Chemistry</i> , 1997, 69, 3846-3850. | 3.2 | 14 |
| 190 | Modification of Horse Heart Cytochrome c with trans-2-Hexenal. <i>Chemical Research in Toxicology</i> , 1997, 10, 702-710. | 1.7 | 21 |
| 191 | End-Label Free-Solution Electrophoresis of the Low Molecular Weight Heparins. <i>Analytical Chemistry</i> , 1997, 69, 3199-3204. | 3.2 | 21 |
| 192 | Urine-Derived Compound Evokes Membrane Responses in Mouse Vomeronasal Receptor Neurons. <i>Journal of Neurophysiology</i> , 1997, 77, 2856-2862. | 0.9 | 47 |
| 193 | Macroporous Polyacrylamide/Poly(ethylene glycol) Matrixes as Stationary Phases in Capillary Electrochromatography. <i>Analytical Chemistry</i> , 1997, 69, 4499-4507. | 3.2 | 327 |
| 194 | Capillary biomolecular separations. <i>Biomedical Applications</i> , 1997, 689, 55-70. | 1.7 | 34 |
| 195 | Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry as a Tool to Probe the Reactions of trans-Hex-2-enal with Proteins. , 1997, 32, 662-665. | | 4 |
| 196 | The Use of Osazones as Matrices for the Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry of Carbohydrates. <i>Analytical Biochemistry</i> , 1997, 244, 144-151. | 1.1 | 69 |
| 197 | Characterization of dextrans by size-exclusion chromatography on unmodified silica gel columns, with light-scattering detection, and capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1997, 790, 93-100. | 1.8 | 20 |
| 198 | Substituted 2-Hydroxy-1,2-dihydropyrrol-3-ones: Fluorescent Markers Pertaining to Oxidative Stress and Aging. <i>Chemical Research in Toxicology</i> , 1996, 9, 970-979. | 1.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | [5] Microcolumn liquid chromatography in biochemical analysis. <i>Methods in Enzymology</i> , 1996, 270, 101-133. | 0.4 | 19 |
| 200 | [14] Glycoconjugate analysis by capillary electrophoresis. <i>Methods in Enzymology</i> , 1996, 271, 319-347. | 0.4 | 17 |
| 201 | Separation of phospholipid derivatives by microcolumn liquid chromatography. <i>Journal of Separation Science</i> , 1996, 8, 397-402. | 1.0 | 1 |
| 202 | Hydrolytically stable cellulose-derivative coatings for capillary electrophoresis of peptides, proteins and glycoconjugates. <i>Electrophoresis</i> , 1995, 16, 396-401. | 1.3 | 48 |
| 203 | End-label, free-solution capillary electrophoresis of highly charged oligosaccharides. <i>Analytical Chemistry</i> , 1995, 67, 4205-4209. | 3.2 | 44 |
| 204 | Chemical characterization of urinary volatile compounds of <i>Peromyscus californicus</i> , a monogamous biparental rodent. <i>Journal of Chemical Ecology</i> , 1994, 20, 2489-2500. | 0.9 | 29 |
| 205 | Self-assembled alkylsilane monolayers for the preparation of stable and efficient coatings in capillary electrophoresis. <i>Journal of Separation Science</i> , 1994, 6, 571-576. | 1.0 | 21 |
| 206 | Resolution of the branched forms of oligosaccharides by high-performance capillary electrophoresis. <i>Carbohydrate Research</i> , 1994, 258, 1-9. | 1.1 | 60 |
| 207 | Inhibition of sexual maturation in juvenile female and male mice by a chemosignal of female origin. <i>Physiology and Behavior</i> , 1994, 55, 519-522. | 1.0 | 70 |
| 208 | Inhibition of glycolytic enzymes by endogenous aldehydes: a possible relation to diabetic neuropathies. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994, 1226, 145-150. | 1.8 | 32 |
| 209 | Maltooligosaccharides as Chiral Selectors for the Separation of Pharmaceuticals by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1994, 66, 3477-3484. | 3.2 | 156 |
| 210 | Separation of Complex Oligosaccharide Mixtures by Capillary Electrophoresis in the Open-Tubular Format. <i>Analytical Chemistry</i> , 1994, 66, 1134-1140. | 3.2 | 100 |
| 211 | Electromigration behavior of poly-(L-glutamate) conformers in concentrated polyacrylamide gels. <i>Biopolymers</i> , 1993, 33, 1299-1306. | 1.2 | 11 |
| 212 | High-performance capillary electrophoresis of glycoconjugates. <i>Electrophoresis</i> , 1993, 14, 373-389. | 1.3 | 94 |
| 213 | Electrophoretic resolution of monosaccharide enantiomers in borate-oligosaccharide complexation media. <i>Journal of the American Chemical Society</i> , 1993, 115, 11573-11580. | 6.6 | 115 |
| 214 | Long-Term Effect of a Urinary Chemosignal on Reproductive Fitness in Female Mice. <i>Biology of Reproduction</i> , 1993, 48, 926-929. | 1.2 | 29 |
| 215 | Sensitive, laser-assisted determination of complex oligosaccharide mixtures separated by capillary gel electrophoresis at high resolution. <i>Analytical Chemistry</i> , 1992, 64, 973-975. | 3.2 | 89 |
| 216 | Experimental evaluation of the separation efficiency in capillary electrophoresis using open tubular and gel-filled columns. <i>Analytical Chemistry</i> , 1992, 64, 1328-1336. | 3.2 | 92 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Determination of naproxen in serum by capillary electrophoresis with ultraviolet absorbance and laser-induced fluorescence detection. <i>Journal of Separation Science</i> , 1992, 4, 313-318. | 1.0 | 31 |
| 218 | Immobilized metal affinity chromatography with fused silica microcolumns. <i>Journal of Separation Science</i> , 1992, 4, 497-501. | 1.0 | 4 |
| 219 | Capillary electrophoresis of DNA fragments in entangled polymer solutions: A study of separation variables. <i>Journal of Separation Science</i> , 1992, 4, 515-519. | 1.0 | 44 |
| 220 | Design of 3-(4-carboxybenzoyl)-2-quinolinecarboxaldehyde as a reagent for ultrasensitive determination of primary amines by capillary electrophoresis using laser fluorescence detection. <i>Analytical Chemistry</i> , 1991, 63, 408-412. | 3.2 | 210 |
| 221 | Separation of fluorescent oligosaccharide derivatives by microcolumn techniques based on electrophoresis and liquid chromatography. <i>Journal of Chromatography A</i> , 1991, 559, 223-235. | 1.8 | 71 |
| 222 | Capillary supercritical fluid chromatography and microwave-induced plasma detection of cyclic boronate esters of hydroxy compounds. <i>Journal of Separation Science</i> , 1991, 3, 39-46. | 1.0 | 11 |
| 223 | Preparation of polyacrylamide gel-filled capillaries for capillary electrophoresis. <i>Journal of Separation Science</i> , 1991, 3, 155-159. | 1.0 | 44 |
| 224 | Nitrogen-selective detection in capillary supercritical fluid chromatography of derivatized oligosaccharides. <i>Journal of Separation Science</i> , 1991, 3, 319-323. | 1.0 | 4 |
| 225 | Recent advances in capillary electrophoresis of proteins, peptides and amino acids. <i>Electrophoresis</i> , 1990, 11, 735-749. | 1.3 | 160 |
| 226 | Recent advances in the isolation and structural studies of biomacromolecules using microcolumn techniques. <i>Journal of Separation Science</i> , 1990, 2, 7-20. | 1.0 | 26 |
| 227 | A step gradient system for microcolumn liquid chromatography based on a multiple-loop valve. <i>Journal of Separation Science</i> , 1990, 2, 84-87. | 1.0 | 6 |
| 228 | Capillary zone electrophoresis of dilute samples with isotachophoretic preconcentration. <i>Journal of Separation Science</i> , 1990, 2, 127-131. | 1.0 | 56 |
| 229 | Detection and sequence analysis of tryptic peptides by microcolumn liquid chromatography-tandem mass spectrometry using an electrospray interface. <i>Journal of Separation Science</i> , 1990, 2, 285-292. | 1.0 | 41 |
| 230 | Application of 3-(2-furoyl)quinoline-2-carbaldehyde as a fluorogenic reagent for the analysis of primary amines by liquid chromatography with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 1990, 499, 579-587. | 1.8 | 55 |
| 231 | 3-Benzoyl-2-naphthaldehyde, a new fluorogenic reagent for microcolumn liquid chromatography-laser-induced fluorescence detection of amino acids. <i>Journal of Separation Science</i> , 1989, 1, 96-100. | 1.0 | 15 |
| 232 | High-speed micellar electrokinetic capillary chromatography of the common phosphorylated nucleosides. <i>Journal of Separation Science</i> , 1989, 1, 136-141. | 1.0 | 49 |
| 233 | Formation of cyclic enol ethers from a labile biological precursor: An example of analytical artifacts. <i>Biomedical Applications</i> , 1989, 491, 27-36. | 1.7 | 8 |
| 234 | Urinary volatile profiles of pine vole, <i>Microtus pinetorum</i> , and their endocrine dependency. <i>Journal of Chemical Ecology</i> , 1989, 15, 649-662. | 0.9 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Pattern of volatile compounds in dominant and subordinate male mouse urine. <i>Journal of Chemical Ecology</i> , 1989, 15, 2061-2072. | 0.9 | 136 |
| 236 | Puberty-affecting synthetic analogs of urinary chemosignals in the house mouse, <i>Mus domesticus</i> . <i>Physiology and Behavior</i> , 1989, 46, 293-298. | 1.0 | 86 |
| 237 | Recent Advances in Microcolumn Liquid Chromatography. <i>Analytical Chemistry</i> , 1988, 60, 500A-510A. | 3.2 | 84 |
| 238 | Separation efficiency of slurry-packed liquid chromatography microcolumns with very small inner diameters. <i>Analytical Chemistry</i> , 1988, 60, 1662-1665. | 3.2 | 205 |
| 239 | Diffusion of isomeric polycyclic aromatic hydrocarbons in compressed propane. <i>The Journal of Physical Chemistry</i> , 1987, 91, 1645-1648. | 2.9 | 15 |
| 240 | High-efficiency microcolumn liquid chromatography separation and spectral characterization of nitrogen-containing polycyclics from fossil fuels. <i>Analytical Chemistry</i> , 1987, 59, 339-343. | 3.2 | 31 |
| 241 | Variations in mouse (<i>Mus musculus</i>) urinary volatiles during different periods of pregnancy and lactation. <i>Journal of Chemical Ecology</i> , 1987, 13, 1941-1956. | 0.9 | 36 |
| 242 | Quantitative analytical aspects of reversed-phase liquid chromatography with slurry-packed capillary columns. <i>Journal of Chromatography A</i> , 1987, 385, 75-85. | 1.8 | 59 |
| 243 | New biochemical separations using precolumn derivatization and microcolumn liquid chromatography. <i>Journal of Chromatography A</i> , 1984, 292, 159-167. | 1.8 | 45 |
| 244 | Separation and characterization of very large neutral polycyclic molecules in fossil fuels by microcolumn liquid chromatography and mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 1243-1248. | 3.2 | 51 |
| 245 | Structural determination and synthesis of a chemical signal of the male state and a potential multipurpose pheromone of the mouse <i>Mus musculus</i> . <i>Journal of Organic Chemistry</i> , 1984, 49, 882-884. | 1.7 | 50 |
| 246 | Dead-volume free termination for packed columns in microcapillary liquid chromatography. <i>Analytical Chemistry</i> , 1984, 56, 2990-2992. | 3.2 | 58 |
| 247 | Chapter 3. Gas chromatography. <i>New Comprehensive Biochemistry</i> , 1984, 8, 41-147. | 0.1 | 3 |
| 248 | Microcolumn liquid chromatography of benzoyl derivatives of steroid metabolites. <i>Analytical Chemistry</i> , 1983, 55, 2375-2377. | 3.2 | 44 |
| 249 | Urinary profiles of volatile and acid metabolites in germfree and conventional rats. <i>Life Sciences</i> , 1983, 32, 787-794. | 2.0 | 18 |
| 250 | Quantitative alterations of steroid urinary profiles associated with diabetes mellitus. <i>Clinica Chimica Acta</i> , 1982, 126, 243-255. | 0.5 | 24 |
| 251 | Capillary Supercritical Fluid Chromatography. <i>Analytical Chemistry</i> , 1981, 53, 407A-414A. | 3.2 | 135 |
| 252 | Application of pattern recognition and feature extraction techniques to volatile constituent metabolic profiles obtained by capillary gas chromatography. <i>Biomedical Applications</i> , 1979, 162, 495-506. | 1.7 | 39 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | Packed microcapillary columns with different selectivities for liquid chromatography. Analytical Chemistry, 1979, 51, 1807-1809. | 3.2 | 82 |
| 254 | Band-broadening phenomena in microcapillary tubes under the conditions of liquid chromatography. Analytical Chemistry, 1978, 50, 632-634. | 3.2 | 135 |
| 255 | Contemporary capillary gas chromatography. Analytical Chemistry, 1978, 50, 16A-32A. | 3.2 | 32 |
| 256 | Packed microcapillary columns in high performance liquid chromatography. Analytical Chemistry, 1978, 50, 271-275. | 3.2 | 185 |
| 257 | High-resolution gas chromatography of plasma steroidal hormones and their metabolites. Analytical Chemistry, 1976, 48, 468-472. | 3.2 | 17 |
| 258 | Gas Chromatographic Analysis of Polynuclear Aromatic Hydrocarbons in Shellfish on Short, Wall-Coated Glass Capillary Columns. Analytical Letters, 1976, 9, 451-460. | 1.0 | 9 |
| 259 | High-Resolution Gas-Chromatographic Analysis of the Volatile Constituents of Body Fluids, with Use of Glass Capillary Columns. Clinical Chemistry, 1974, 20, 1105-1110. | 1.5 | 39 |
| 260 | Polar silicone-based chemically bonded stationary phases for liquid chromatography. Analytical Chemistry, 1973, 45, 971-974. | 3.2 | 38 |
| 261 | High-temperature gas-chromatographic separations using glass capillary columns and carborane stationary phases. Analytical Chemistry, 1972, 44, 9-13. | 3.2 | 31 |
| 262 | Coupling of open tubular columns with a mass spectrometer through the jet-type molecule separator. Chromatographia, 1969, 2, 350-353. | 0.7 | 20 |