

# Yehia S Mechref

## List of Publications by Year in descending order

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Version: 2024-02-01

263  
papers

12,429  
citations

17429

63  
h-index

39638

94  
g-index

273  
all docs

273  
docs citations

273  
times ranked

8609  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | MS-based glycomics and glycoproteomics methods enabling isomeric characterization. <i>Mass Spectrometry Reviews</i> , 2023, 42, 577-616.   | 2.8 | 40        |
| 2  | Advances in mass spectrometry-based glycomics—An update covering the period 2017–2021. <i>Electrophoresis</i> , 2022, 43, 119-142.   | 1.3 | 21        |
| 3  | Advances in mass spectrometry-based glycoproteomics: An update covering the period 2017–2021. <i>Electrophoresis</i> , 2022, 43, 370-387.  | 1.3 | 19        |
| 4  | Mitoquinone Helps Combat the Neurological, Cognitive, and Molecular Consequences of Open Head Traumatic Brain Injury at Chronic Time Point. <i>Biomedicines</i> , 2022, 10, 250.                             | 1.4 | 10        |
| 5  | Mitoquinone supplementation alleviates oxidative stress and pathologic outcomes following repetitive mild traumatic brain injury at a chronic time point. <i>Experimental Neurology</i> , 2022, 351, 113987. | 2.0 | 10        |
| 6  | Glycomic and Glycoproteomic Techniques in Neurodegenerative Disorders and Neurotrauma: Towards Personalized Markers. <i>Cells</i> , 2022, 11, 581.   | 1.8 | 13        |
| 7  | Isomeric separation of permethylated glycans by extra-long reversed-phase liquid chromatography (RPLC)-MS/MS. <i>Analyst</i> , The, 2022, , .  | 1.7 | 10        |
| 8  | Salmonella enterica serovar Typhimurium chitinases modulate the intestinal glycome and promote small intestinal invasion. <i>PLoS Pathogens</i> , 2022, 18, e1010167.  | 2.1 | 11        |
| 9  | Glycome Profiling of Cancer Cell Lines Cultivated in Physiological and Commercial Media. <i>Biomolecules</i> , 2022, 12, 743.  | 1.8 | 4         |
| 10 | Heat Stress of Algal Partner Hinders Colonization Success and Alters the Algal Cell Surface Glycome in a Cnidarian-Algal Symbiosis. <i>Microbiology Spectrum</i> , 2022, 10, .                               | 1.2 | 4         |
| 11 | Exploring serum glycome patterns after moderate to severe traumatic brain injury: A prospective pilot study. <i>EClinicalMedicine</i> , 2022, 50, 101494.  | 3.2 | 18        |
| 12 | A Reciprocal Best-hit Approach to Characterize Isomeric <i>N</i> -Glycans Using Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 10003-10010.   | 3.2 | 1         |
| 13 | Glycomics and glycoproteomics: Approaches to address isomeric separation of glycans and glycopeptides. <i>Journal of Separation Science</i> , 2021, 44, 403-425.   | 1.3 | 46        |
| 14 | Analysis of NIST Monoclonal Antibody Reference Material Glycosylation Using the LC-MS/MS-Based Glycoproteomic Approach. <i>Journal of Proteome Research</i> , 2021, 20, 818-830.                             | 1.8 | 6         |
| 15 | Determination of Isomeric Glycan Structures by Permethylation and Liquid Chromatography-Mass Spectrometry (LC-MS). <i>Methods in Molecular Biology</i> , 2021, 2271, 281-301.                                | 0.4 | 1         |
| 16 | Mechanism of how carbamylation reduces albumin binding to FcRn contributing to increased vascular clearance. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F114-F129.                | 1.3 | 11        |
| 17 | Using micro pillar array columns (µPAC) for the analysis of permethylated glycans. <i>Analyst</i> , The, 2021, 146, 4374-4383.   | 1.7 | 15        |
| 18 | Derivatization of Sialylated Glycopeptides (DOSG) Enabling Site-Specific Isomeric Profiling Using LC-MS/MS. <i>Analytical Chemistry</i> , 2021, 93, 5763-5772.   | 3.2 | 11        |

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|----|---|-----|-----------|
| 19 | Analysis of the Neuroproteome Associated With Cell Therapy After Intranigral Grafting in a Mouse Model of Parkinson Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 621121.                                     | 1.4 | 1         |
| 20 | Mesoporous Graphitized Carbon Column for Efficient Isomeric Separation of Permethylated Glycans. <i>Analytical Chemistry</i> , 2021, 93, 5061-5070.   | 3.2 | 20        |
| 21 | A general new method for calculating the molecular nonpolar surface for analysis of LC-MS data. <i>International Journal of Mass Spectrometry</i> , 2021, 461, 116495.  | 0.7 | 3         |
| 22 | N-Glycomics of Cerebrospinal Fluid: Method Comparison. <i>Molecules</i> , 2021, 26, 1712.   | 1.7 | 6         |
| 23 | Object classification in analytical chemistry via data-driven discovery of partial differential equations. <i>Computational and Mathematical Methods</i> , 2021, 3, e1164.  | 0.3 | 2         |
| 24 | GlycoHybridSeq: Automated Identification of N-Linked Glycopeptides Using Electron Transfer/High-Energy Collision Dissociation (ETHcD). <i>Journal of Proteome Research</i> , 2021, 20, 3345-3352.                     | 1.8 | 9         |
| 25 | Browning white adipose tissue using adipose stromal cell-targeted resveratrol-loaded nanoparticles for combating obesity. <i>Journal of Controlled Release</i> , 2021, 333, 339-351.                                  | 4.8 | 28        |
| 26 | Searching for Novel Candidate Biomarkers of RLS in Blood by Proteomic Analysis. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 873-883.  | 1.4 | 9         |
| 27 | GlycanGUI: Automated Glycan Annotation and Quantification Using Glucose Unit Index. <i>Frontiers in Chemistry</i> , 2021, 9, 707382.  | 1.8 | 1         |
| 28 | Direct Comparison of N-Glycans and Their Isomers Derived from Spike Glycoprotein 1 of MERS-CoV, SARS-CoV-1, and SARS-CoV-2. <i>Journal of Proteome Research</i> , 2021, 20, 4357-4365.                                | 1.8 | 17        |
| 29 | PRM-MS Quantitative Analysis of Isomeric N-Glycopeptides Derived from Human Serum Haptoglobin of Patients with Cirrhosis and Hepatocellular Carcinoma. <i>Metabolites</i> , 2021, 11, 563.                            | 1.3 | 16        |
| 30 | Variability in the Glycosylation Patterns of gp120 Proteins from Different Human Immunodeficiency Virus Type 1 Isolates Expressed in Different Host Cells. <i>Journal of Proteome Research</i> , 2021, 20, 4862-4874. | 1.8 | 5         |
| 31 | Identification and Characterization of Two Structurally Related Dipeptides that Enhance Catalytic Efficiency of Neurolysin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 379, 191-202.        | 1.3 | 8         |
| 32 | LC-MS/MS in glycomics and glycoproteomics analyses. , 2021, , 391-441.  |     | 3         |
| 33 | Altered O-glycomes of Renal Brush-Border Membrane in Model Rats with Chronic Kidney Diseases. <i>Biomolecules</i> , 2021, 11, 1560.   | 1.8 | 5         |
| 34 | Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.                                | 9.0 | 74        |
| 35 | Changes in the Expression of Renal Brush Border Membrane N-Glycome in Model Rats with Chronic Kidney Diseases. <i>Biomolecules</i> , 2021, 11, 1677.  | 1.8 | 4         |
| 36 | NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.                     | 2.5 | 87        |

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|----|---|-----|-----------|
| 37 | Comparative Membrane N-Glycomics of Different Breast Cancer Cell Lines To Understand Breast Cancer Brain Metastasis. <i>Journal of Proteome Research</i> , 2020, 19, 854-863.   | 1.8 | 14        |
| 38 | Effects of the Oncoprotein PAX3-FOXO1 on Modulation of Exosomes Function and Protein Content: Implications on Oxidative Stress Protection and Enhanced Plasticity. <i>Frontiers in Oncology</i> , 2020, 10, 1784.                                   | 1.3 | 5         |
| 39 | Glucose unit index (GUI) of permethylated glycans for effective identification of glycans and glycan isomers. <i>Analyst</i> , The, 2020, 145, 6656-6667.   | 1.7 | 21        |
| 40 | Protein Expression Analysis of an In Vitro Murine Model of Prostate Cancer Progression: Towards Identification of High-Potential Therapeutic Targets. <i>Journal of Personalized Medicine</i> , 2020, 10, 83.                                       | 1.1 | 25        |
| 41 | Vascular Cells Proteome Associated with Bradykinin and Leptin Inflammation and Oxidative Stress Signals. <i>Antioxidants</i> , 2020, 9, 1251.   | 2.2 | 5         |
| 42 | Separation of Permethylated O-Glycans, Free Oligosaccharides, and Glycosphingolipid-Glycans Using Porous Graphitized Carbon (PGC) Column. <i>Metabolites</i> , 2020, 10, 433.   | 1.3 | 16        |
| 43 | Serum Glycomics Profiling of Patients with Primary Restless Legs Syndrome Using LC-MS/MS. <i>Journal of Proteome Research</i> , 2020, 19, 2933-2941.  | 1.8 | 10        |
| 44 | Isomeric Separation of N-Glycopeptides Derived from Glycoproteins by Porous Graphitic Carbon (PGC) LC-MS/MS. <i>Analytical Chemistry</i> , 2020, 92, 9556-9565.   | 3.2 | 37        |
| 45 | Modulation of proteomic and inflammatory signals by Bradykinin in podocytes. <i>Journal of Advanced Research</i> , 2020, 24, 409-422.   | 4.4 | 8         |
| 46 | N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. <i>Microbial Ecology</i> , 2020, 80, 223-236.  | 1.4 | 17        |
| 47 | Circulating Brain Injury Exosomal Proteins following Moderate-to-Severe Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications. <i>Cells</i> , 2020, 9, 977.   | 1.8 | 48        |
| 48 | Revealing the Biological Attributes of N-Glycan Isomers in Breast Cancer Brain Metastasis Using Porous Graphitic Carbon (PGC) Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). <i>Journal of Proteome Research</i> , 2019, 18, 3731-3740. | 1.8 | 44        |
| 49 | N-Glycan Profile of Cerebrospinal Fluids from Alzheimer's Disease Patients Using Liquid Chromatography with Mass Spectrometry. <i>Journal of Proteome Research</i> , 2019, 18, 3770-3779.   | 1.8 | 45        |
| 50 | Characterization of glycan isomers using magnetic carbon nanoparticles as a MALDI co-matrix. <i>RSC Advances</i> , 2019, 9, 20137-20148.  | 1.7 | 13        |
| 51 | 8-plex LC-MS/MS Analysis of Permethylated N-Glycans Achieved by Using Stable Isotopic Iodomethane. <i>Analytical Chemistry</i> , 2019, 91, 11794-11802.   | 3.2 | 24        |
| 52 | Proteomic Profiling of Rhabdomyosarcoma-Derived Exosomes Yield Insights into Their Functional Role in Paracrine Signaling. <i>Journal of Proteome Research</i> , 2019, 18, 3567-3579.   | 1.8 | 13        |
| 53 | Integrated Transcriptomics, Proteomics, and Glycomics Reveals the Association between Up-regulation of Sialylated N-glycans/Integrin and Breast Cancer Brain Metastasis. <i>Scientific Reports</i> , 2019, 9, 17361.                                | 1.6 | 23        |
| 54 | Functional pathways associated with human carotid atheroma: a proteomics analysis. <i>Hypertension Research</i> , 2019, 42, 362-373.  | 1.5 | 8         |

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|----|--|-----|-----------|
| 55 | Implication of the Kallikrein-Kinin system in neurological disorders: Quest for potential biomarkers and mechanisms. <i>Progress in Neurobiology</i> , 2018, 165-167, 26-50.   | 2.8 | 65        |
| 56 | Glycosylation Changes in Brain Cancer. <i>ACS Chemical Neuroscience</i> , 2018, 9, 51-72.  | 1.7 | 105       |
| 57 | Novel biomarker signatures for idiopathic REM sleep behavior disorder. <i>Neurology</i> , 2018, 91, e1710-e1715.   | 1.5 | 26        |
| 58 | Clinical application of quantitative glycomics. <i>Expert Review of Proteomics</i> , 2018, 15, 1007-1031.  | 1.3 | 40        |
| 59 | Advances in mass spectrometry-based glycoproteomics. <i>Electrophoresis</i> , 2018, 39, 3104-3122.   | 1.3 | 75        |
| 60 | Advances in mass spectrometry-based glycomics. <i>Electrophoresis</i> , 2018, 39, 3063-3081.   | 1.3 | 72        |
| 61 | Magnetic carbon nanocomposites as a MALDI co-matrix enhancing MS-based glycomics. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 7395-7404.  | 1.9 | 6         |
| 62 | LC-MS/MS glycomics of idiopathic rapid eye movement sleep behavior disorder. <i>Electrophoresis</i> , 2018, 39, 3096-3103.   | 1.3 | 17        |
| 63 | Enhanced Quantitative LC-MS/MS Analysis of N-linked Glycans Derived from Glycoproteins Using Sodium Deoxycholate Detergent. <i>Journal of Proteome Research</i> , 2018, 17, 2668-2678.   | 1.8 | 19        |
| 64 | A carbon nanoparticles-based solid-phase purification method facilitating sensitive MALDI-MS analysis of permethylated N-glycans. <i>Electrophoresis</i> , 2018, 39, 3087-3095.  | 1.3 | 12        |
| 65 | Carbon Nanoparticles and Graphene Nanosheets as MALDI Matrices in Glycomics: a New Approach to Improve Glycan Profiling in Biological Samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1892-1900. | 1.2 | 30        |
| 66 | Glycoprotein Enrichment Analytical Techniques. <i>Methods in Enzymology</i> , 2017, 585, 397-429.  | 0.4 | 52        |
| 67 | Quantitative Glycomics. <i>Methods in Enzymology</i> , 2017, 585, 431-477.   | 0.4 | 19        |
| 68 | Glycoproteins Enrichment and LC-MS/MS Glycoproteomics in Central Nervous System Applications. <i>Methods in Molecular Biology</i> , 2017, 1598, 213-227.   | 0.4 | 9         |
| 69 | Isomeric Separation of Permethylated Glycans by Porous Graphitic Carbon (PGC)-LC-MS/MS at High Temperatures. <i>Analytical Chemistry</i> , 2017, 89, 6590-6597.  | 3.2 | 96        |
| 70 | Comparative membrane proteomics analyses of breast cancer cell lines to understand the molecular mechanism of breast cancer brain metastasis. <i>Electrophoresis</i> , 2017, 38, 2124-2134.  | 1.3 | 21        |
| 71 | LC-MS/MS isomeric profiling of permethylated N-glycans derived from serum haptoglobin of hepatocellular carcinoma (HCC) and cirrhotic patients. <i>Electrophoresis</i> , 2017, 38, 2160-2167.                                      | 1.3 | 65        |
| 72 | Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium <i>Staphylococcus aureus</i> : A Proteomic Characterization. <i>Journal of Proteome Research</i> , 2017, 16, 2579-2586.   | 1.8 | 30        |

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|----|--|-----|-----------|
| 73 | Delineation of disease phenotypes associated with esophageal adenocarcinoma by MALDI-IMS-MS analysis of serum N-linked glycans. <i>Analyst, The</i> , 2017, 142, 1525-1535.  | 1.7 | 12        |
| 74 | Characterization of isomeric glycan structures by LC-MS/MS. <i>Electrophoresis</i> , 2017, 38, 2100-2114.  | 1.3 | 123       |
| 75 | Multivariate classification of disease phenotypes of esophageal adenocarcinoma by pattern recognition analysis of MALDI-TOF mass spectra of serum N-linked glycans. <i>Microchemical Journal</i> , 2017, 132, 83-88. | 2.3 | 6         |
| 76 | Recent advances in glycomics, glycoproteomics and allied topics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 355-357.   | 1.9 | 22        |
| 77 | Direct comparison of derivatization strategies for LC-MS/MS analysis of N-glycans. <i>Analyst, The</i> , 2017, 142, 4446-4455.   | 1.7 | 97        |
| 78 | A Sparse Latent Regression Approach for Integrative Analysis of Glycomic and Glycotranscriptomic Data., 2017, , .  |     | 0         |
| 79 | LC-MS/MS analysis of permethylated N-glycans facilitating isomeric characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 453-466.   | 1.9 | 79        |
| 80 | Recent advances in mass spectrometric analysis of glycoproteins. <i>Electrophoresis</i> , 2017, 38, 162-189.   | 1.3 | 75        |
| 81 | Analysis of Permethylated Glycan by Liquid Chromatography (LC) and Mass Spectrometry (MS). <i>Methods in Molecular Biology</i> , 2017, 1503, 83-96.  | 0.4 | 32        |
| 82 | Proteome profiling in the aorta and kidney of type 1 diabetic rats. <i>PLoS ONE</i> , 2017, 12, e0187752.  | 1.1 | 14        |
| 83 | The Effect of Chronic Methamphetamine Exposure on the Hippocampal and Olfactory Bulb Neuroproteomes of Rats. <i>PLoS ONE</i> , 2016, 11, e0151034.   | 1.1 | 12        |
| 84 | High-temperature LC-MS/MS of permethylated glycans derived from glycoproteins. <i>Electrophoresis</i> , 2016, 37, 1506-1513.   | 1.3 | 49        |
| 85 | Deciphering glycomics and neuroproteomic alterations in experimental traumatic brain injury: Comparative analysis of aspirin and clopidogrel treatment. <i>Electrophoresis</i> , 2016, 37, 1562-1576.                | 1.3 | 24        |
| 86 | Reliable LC-MS quantitative glycomics using iGlycoMab stable isotope labeled glycans as internal standards. <i>Electrophoresis</i> , 2016, 37, 1489-1497.  | 1.3 | 23        |
| 87 | Glycomics and Glycoproteomics 2016. <i>Electrophoresis</i> , 2016, 37, 1397-1398.  | 1.3 | 0         |
| 88 | Quantitative LC-MS/MS Glycomic Analysis of Biological Samples Using AminoxyTMT. <i>Analytical Chemistry</i> , 2016, 88, 7515-7522.   | 3.2 | 56        |
| 89 | LC-MS/MS of permethylated N-glycans derived from model and human blood serum glycoproteins. <i>Electrophoresis</i> , 2016, 37, 1498-1505.  | 1.3 | 34        |
| 90 | Automated Glycan Sequencing from Tandem Mass Spectra of N-Linked Glycopeptides. <i>Analytical Chemistry</i> , 2016, 88, 5725-5732.   | 3.2 | 31        |

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|-----|---|-----|-----------|
| 91  | Preparation and preliminary characterization of recombinant neurolysin for in vivo studies. Journal of Biotechnology, 2016, 234, 105-115.   | 1.9 | 19        |
| 92  | A procedure for the analysis of site-specific and structure-specific fucosylation in alpha-1-antitrypsin. Electrophoresis, 2016, 37, 2624-2632.   | 1.3 | 10        |
| 93  | Iridoid glycoside permethylation enhances chromatographic separation and chemical ionization. Rapid Communications in Mass Spectrometry, 2016, 30, 2033-2042.   | 0.7 | 6         |
| 94  | HILIC and ERLIC Enrichment of Glycopeptides Derived from Breast and Brain Cancer Cells. Journal of Proteome Research, 2016, 15, 3624-3634.  | 1.8 | 82        |
| 95  | Multi-omic approaches for characterization of hepatocellular carcinoma. , 2016, 2016, 3437-3440.  |     | 3         |
| 96  | Parallel data acquisition of in-source fragmented glycopeptides to sequence the glycosylation sites of proteins. Electrophoresis, 2016, 37, 1420-1430.  | 1.3 | 17        |
| 97  | Glycosylation and other PTMs alterations in neurodegenerative diseases: Current status and future role in neurotrauma. Electrophoresis, 2016, 37, 1549-1561.  | 1.3 | 53        |
| 98  | LC-MS/MS analysis of permethylated free oligosaccharides and N-glycans derived from human, bovine, and goat milk samples. Electrophoresis, 2016, 37, 1532-1548.   | 1.3 | 80        |
| 99  | Structure-antioxidant and anti-tumor activity of Teucrium polium phytochemicals. Phytochemistry Letters, 2016, 15, 81-87.   | 0.6 | 18        |
| 100 | Analysis of Proteins That Rapidly Change Upon Mechanistic/Mammalian Target of Rapamycin Complex 1 (mTORC1) Repression Identifies Parkinson Protein 7 (PARK7) as a Novel Protein Aberrantly Expressed in Tuberous Sclerosis Complex (TSC). Molecular and Cellular Proteomics, 2016, 15, 412-430. | 2.5 | 31        |
| 101 | Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. Current Pharmaceutical Biotechnology, 2016, 17, 788-801.  | 0.9 | 31        |
| 102 | Characterization of the Kallikrein-Kinin System Post Chemical Neuronal Injury: An In Vitro Biochemical and Neuroproteomics Assessment. PLoS ONE, 2015, 10, e0128601.  | 1.1 | 7         |
| 103 | 30th ASMS Asilomar Conference on Advances in Glycomics and Glycoproteomics: Methods and Applications. Journal of the American Society for Mass Spectrometry, 2015, 26, 1047-1050.   | 1.2 | 0         |
| 104 | LC-MS/MS-based serum proteomics for identification of candidate biomarkers for hepatocellular carcinoma. Proteomics, 2015, 15, 2369-2381.   | 1.3 | 66        |
| 105 | Quantitation of Permethylated N-Glycans through Multiple-Reaction Monitoring (MRM) LC-MS/MS. Journal of the American Society for Mass Spectrometry, 2015, 26, 596-603.  | 1.2 | 41        |
| 106 | Characterization of the Glycosylation Site of Human PSA Prompted by Missense Mutation using LC-MS/MS. Journal of Proteome Research, 2015, 14, 2872-2883.  | 1.8 | 19        |
| 107 | Integrated Transcriptomic and Glycomic Profiling of Glioma Stem Cell Xenografts. Journal of Proteome Research, 2015, 14, 3932-3939.   | 1.8 | 17        |
| 108 | N-Linked Glycan Profiling in Neuroblastoma Cell Lines. Journal of Proteome Research, 2015, 14, 2074-2081.   | 1.8 | 22        |

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|-----|---|-----|-----------|
| 109 | Cytotoxic saponin poliusaposide from <i>Teucrium polium</i> . <i>RSC Advances</i> , 2015, 5, 27126-27133.   | 1.7 | 16        |
| 110 | Defining glycoprotein cancer biomarkers by MS in conjunction with glycoprotein enrichment. <i>Biomarkers in Medicine</i> , 2015, 9, 835-844.  | 0.6 | 35        |
| 111 | Identification of Glycopeptides with Multiple Hydroxylysine O-Glycosylation Sites by Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2015, 14, 5099-5108.   | 1.8 | 13        |
| 112 | <i>Teucrium polium</i> Phenylethanol and Iridoid Glycoside Characterization and Flavonoid Inhibition of Biofilm-Forming <i>Staphylococcus aureus</i> . <i>Journal of Natural Products</i> , 2015, 78, 2-9.  | 1.5 | 35        |
| 113 | Automated annotation and quantitation of glycans by liquid chromatography/electrospray ionization mass spectrometric analysis using the MultiGlycan-ESI computational tool. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 135-142. | 0.7 | 35        |
| 114 | Social learning and amygdala disruptions in Nf1 mice are rescued by blocking p21-activated kinase. <i>Nature Neuroscience</i> , 2014, 17, 1583-1590.  | 7.1 | 106       |
| 115 | Glycoproteomics: Identifying the Glycosylation of Prostate Specific Antigen at Normal and High Isoelectric Points by LC-MS/MS. <i>Journal of Proteome Research</i> , 2014, 13, 5570-5580.   | 1.8 | 44        |
| 116 | Bioinformatics Protocols in Glycomics and Glycoproteomics. <i>Current Protocols in Protein Science</i> , 2014, 76, 2.15.1-2.15.7.   | 2.8 | 9         |
| 117 | Biofilm blocking sesquiterpenes from <i>Teucrium polium</i> . <i>Phytochemistry</i> , 2014, 103, 107-113.   | 1.4 | 37        |
| 118 | Rapid and sensitive LC-ESI-MS of gangliosides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 1-7.  | 1.2 | 33        |
| 119 | LC-MS Profiling of N-Glycans Derived from Human Serum Samples for Biomarker Discovery in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2014, 13, 4859-4868.   | 1.8 | 46        |
| 120 | LC-MS/MS Quantitation of Esophagus Disease Blood Serum Glycoproteins by Enrichment with Hydrazide Chemistry and Lectin Affinity Chromatography. <i>Journal of Proteome Research</i> , 2014, 13, 4808-4820.  | 1.8 | 74        |
| 121 | Computational Framework for Identification of Intact Glycopeptides in Complex Samples. <i>Analytical Chemistry</i> , 2014, 86, 453-463.   | 3.2 | 92        |
| 122 | Label-Free Glycopeptide Quantification for Biomarker Discovery in Human Sera. <i>Journal of Proteome Research</i> , 2014, 13, 4821-4832.  | 1.8 | 39        |
| 123 | Recent updates on drug abuse analyzed by neuroproteomics studies: Cocaine, Methamphetamine and MDMA. <i>Translational Proteomics</i> , 2014, 3, 38-52.  | 1.2 | 7         |
| 124 | LC-MS/MS Identification of the O-Glycosylation and Hydroxylation of Amino Acid Residues of Collagen I±-1 (II) chain from Bovine Cartilage. <i>Journal of Proteome Research</i> , 2013, 12, 3599-3609.   | 1.8 | 37        |
| 125 | Immobilized metal affinity chromatography and human serum proteomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 934, 26-33.   | 1.2 | 38        |
| 126 | Multi-profile Bayesian alignment model for LC-MS data analysis with integration of internal standards. <i>Bioinformatics</i> , 2013, 29, 2774-2780.   | 1.8 | 18        |



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|-----|--|-----|-----------|
| 127 | Glycomic Profiling of Tissue Sections by LC-MS. <i>Analytical Chemistry</i> , 2013, 85, 4074-4079.   | 3.2 | 33        |
| 128 | Comparative glycomic profiling of isotopically permethylated N-glycans by liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 865-877.                           | 0.7 | 44        |
| 129 | Automated annotation and quantification of glycans using liquid chromatography-mass spectrometry. <i>Bioinformatics</i> , 2013, 29, 1706-1707.   | 1.8 | 47        |
| 130 | Quantitative Glycomics Strategies. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 874-884.   | 2.5 | 86        |
| 131 | Sugar nucleotide quantification using multiple reaction monitoring liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1794-1800.   | 0.7 | 10        |
| 132 | GPA: An algorithm for LC/MS based glycan profile annotation. , 2013, , .   |     | 4         |
| 133 | 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       |
| 134 | Leaf Dhurrin Content is a Quantitative Measure of the Level of Pre- and Postflowering Drought Tolerance in Sorghum. <i>Crop Science</i> , 2013, 53, 1056-1065.   | 0.8 | 47        |
| 135 | Ion Mobility-Mass Spectrometry Analysis of Serum N-linked Glycans from Esophageal Adenocarcinoma Phenotypes. <i>Journal of Proteome Research</i> , 2012, 11, 6102-6110.  | 1.8 | 46        |
| 136 | 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       |
| 137 | Defining putative glycan cancer biomarkers by MS. <i>Bioanalysis</i> , 2012, 4, 2457-2469.   | 0.6 | 58        |
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