

Kay-Hooi Khoo

List of Publications by Year in descending order

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Version: 2024-02-01

237
papers

13,149
citations

23567

58
h-index

30922

102
g-index

249
all docs

249
docs citations

249
times ranked

13756
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Distinct shifts in site-specific glycosylation pattern of SARS-CoV-2 spike proteins associated with arising mutations in the D614G and Alpha variants. <i>Glycobiology</i> , 2022, 32, 60-72. | 2.5 | 16 |
| 2 | Cancer Malignancy Is Correlated with Upregulation of PCYT2-Mediated Glycerol Phosphate Modification of Î±-Dystroglycan. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6662. | 4.1 | 2 |
| 3 | An embeddable molecular code for Lewis X modification through interaction with fucosyltransferase 9. <i>Communications Biology</i> , 2022, 5, . | 4.4 | 2 |
| 4 | Sialylation of CD55 by ST3GAL1 Facilitates Immune Evasion in Cancer. <i>Cancer Immunology Research</i> , 2021, 9, 113-122. | 3.4 | 22 |
| 5 | A mass spectrometry-based glycotope-centric cellular glycomics is the more fruitful way forward to see the forest for the trees. <i>Biochemical Society Transactions</i> , 2021, 49, 55-69. | 3.4 | 2 |
| 6 | Production of Structurally Defined Chito-Oligosaccharides with a Single <i>N</i>-Acetylation at Their Reducing End Using a Newly Discovered Chitinase from <i>Paenibacillus pabuli</i>. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3371-3379. | 5.2 | 4 |
| 7 | Establishment of a novel monoclonal antibody against truncated glycoforms of Î±-dystroglycan lacking matriglycans. <i>Biochemical and Biophysical Research Communications</i> , 2021, 579, 8-14. | 2.1 | 4 |
| 8 | Carbohydrate Sulfation As a Mechanism for Fine-Tuning Siglec Ligands. <i>ACS Chemical Biology</i> , 2021, 16, 2673-2689. | 3.4 | 31 |
| 9 | Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316. | 19.0 | 74 |
| 10 | ZIC-CHILIC-Based StageTip for Simultaneous Glycopeptide Enrichment and Fractionation toward Large-Scale N-Sialoglycoproteomics. <i>Analytical Chemistry</i> , 2021, 93, 15931-15940. | 6.5 | 19 |
| 11 | Glycoproteomic software solutions spotlight glycans. <i>Nature Methods</i> , 2021, 18, 1457-1458. | 19.0 | 8 |
| 12 | Discovery Sulfoglycomics and Identification of the Characteristic Fragment Ions for High-Sensitivity Precise Mapping of Adult Zebrafish Brainâ€™s Specific Glycotopes. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 771447. | 3.5 | 2 |
| 13 | Cryo-EM analysis of a feline coronavirus spike protein reveals a unique structure and camouflaging glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1438-1446. | 7.1 | 94 |
| 14 | Fucosyltransferase 4 shapes oncogenic glycoproteome to drive metastasis of lung adenocarcinoma. <i>EBioMedicine</i> , 2020, 57, 102846. | 6.1 | 23 |
| 15 | Strategic Applications of Negative-Mode LC-MS/MS Analyses to Expedite Confident Mass Spectrometry-Based Identification of Multiple Glycosylated Peptides. <i>Analytical Chemistry</i> , 2020, 92, 7612-7620. | 6.5 | 10 |
| 16 | Mycobacterium bovis BCG infection alters the macrophage N-glycome. <i>Molecular Omics</i> , 2020, 16, 345-354. | 2.8 | 12 |
| 17 | The nutrient sensor OGT regulates Hipk stability and tumorigenic-like activities in Drosophila. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2004-2013. | 7.1 | 19 |
| 18 | Targeting Glycosylated PD-1 Induces Potent Antitumor Immunity. <i>Cancer Research</i> , 2020, 80, 2298-2310. | 0.9 | 87 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Abstract 6527: Targeting glycosylated PD-1 induces potent anti-tumor immunity. , 2020, , . | | 0 |
| 20 | Negative Ion Mode nanoLC-ESI-MS/MS Analyses of Permethylated Sulfated Glycans. Bio-protocol, 2020, 10, e3618. | 0.4 | 2 |
| 21 | Permethylation and Microfractionation of Sulfated Glycans for MS Analysis. Bio-protocol, 2020, 10, e3617. | 0.4 | 2 |
| 22 | Functional roles of ST8SIA3-mediated sialylation of striatal dopamine D2 and adenosine A2A receptors. Translational Psychiatry, 2019, 9, 209. | 4.8 | 18 |
| 23 | Advances toward mapping the full extent of protein site-specific O-GalNAc glycosylation that better reflects underlying glycomic complexity. Current Opinion in Structural Biology, 2019, 56, 146-154. | 5.7 | 32 |
| 24 | Novel Zebrafish Mono- α 2,8-sialyltransferase (ST8Sia VIII): An Evolutionary Perspective of α 2,8-Sialylation. International Journal of Molecular Sciences, 2019, 20, 622. | 4.1 | 7 |
| 25 | Distinctive and Complementary MS ² Fragmentation Characteristics for Identification of Sulfated Sialylated N-Glycopeptides by nanoLC-MS/MS Workflow. Journal of the American Society for Mass Spectrometry, 2018, 29, 1166-1178. | 2.8 | 19 |
| 26 | Eradication of Triple-Negative Breast Cancer Cells by Targeting Glycosylated PD-L1. Cancer Cell, 2018, 33, 187-201.e10. | 16.8 | 381 |
| 27 | Target identification reveals protein arginine methyltransferase 1 is a potential target of phenyl vinyl sulfone and its derivatives. Bioscience Reports, 2018, 38, . | 2.4 | 5 |
| 28 | Concerted mass spectrometry-based glycomic approach for precision mapping of sulfo sialylated N-glycans on human peripheral blood mononuclear cells and lymphocytes. Glycobiology, 2018, 28, 9-20. | 2.5 | 24 |
| 29 | Systems glycomics of adult zebrafish identifies organ-specific sialylation and glycosylation patterns. Nature Communications, 2018, 9, 4647. | 12.8 | 65 |
| 30 | Distinct substrate specificities of human GlcNAc-6-sulfotransferases revealed by mass spectrometry-based sulfoglycomic analysis. Journal of Biological Chemistry, 2018, 293, 15163-15177. | 3.4 | 24 |
| 31 | Identifying Specific and Differentially Linked Glycosyl Residues in Mammalian Glycans by Targeted LC-MS Analysis. Analytical Sciences, 2018, 34, 1049-1054. | 1.6 | 6 |
| 32 | STT3-dependent PD-L1 accumulation on cancer stem cells promotes immune evasion. Nature Communications, 2018, 9, 1908. | 12.8 | 282 |
| 33 | Alterations of the Human Skin N- and O-Glycome in Basal Cell Carcinoma and Squamous Cell Carcinoma. Frontiers in Oncology, 2018, 8, 70. | 2.8 | 42 |
| 34 | Metformin Promotes Antitumor Immunity via Endoplasmic-Reticulum-Associated Degradation of PD-L1. Molecular Cell, 2018, 71, 606-620.e7. | 9.7 | 491 |
| 35 | Antibody-assisted target identification reveals afatinib, an EGFR covalent inhibitor, down-regulating ribonucleotide reductase. Oncotarget, 2018, 9, 21512-21529. | 1.8 | 10 |
| 36 | The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284. | 2.5 | 69 |

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|----|---|------|-----------|
| 37 | Adapting Data-Independent Acquisition for Mass Spectrometry-Based Protein Site-Specific N-Glycosylation Analysis. <i>Analytical Chemistry</i> , 2017, 89, 4532-4539. | 6.5 | 34 |
| 38 | Advancing a High Throughput Glycotope-centric Glycomics Workflow Based on NanoLC-MS2-product Dependent-MS3 ANALYSIS of Permethylated Glycans*. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 2268-2280. | 3.8 | 24 |
| 39 | Fibronectin in cell adhesion and migration via N-glycosylation. <i>Oncotarget</i> , 2017, 8, 70653-70668. | 1.8 | 98 |
| 40 | Glycolipid GD3 and GD3 synthase are key drivers for glioblastoma stem cells and tumorigenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5592-5597. | 7.1 | 81 |
| 41 | Direct Mapping of Additional Modifications on Phosphorylated O-glycans of Î±-Dystroglycan by Mass Spectrometry Analysis in Conjunction with Knocking Out of Causative Genes for Dystroglycanopathy. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3424-3434. | 3.8 | 25 |
| 42 | 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. | 2.5 | 62 |
| 43 | S-nitrosylation of endogenous protein tyrosine phosphatases in endothelial insulin signaling. <i>Free Radical Biology and Medicine</i> , 2016, 99, 199-213. | 2.9 | 18 |
| 44 | Glycosylation and stabilization of programmed death ligand-1 suppresses T-cell activity. <i>Nature Communications</i> , 2016, 7, 12632. | 12.8 | 648 |
| 45 | Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016, 7, 12526. | 12.8 | 28 |
| 46 | Efficient Mapping of Sulfated Glycotopes by Negative Ion Mode nanoLC-MS/MS-Based Sulfoglycomic Analysis of Permethylated Glycans. <i>Analytical Chemistry</i> , 2015, 87, 6380-6388. | 6.5 | 25 |
| 47 | Uncovering protein polyamination by the spermine-specific antiserum and mass spectrometric analysis. <i>Amino Acids</i> , 2015, 47, 469-481. | 2.7 | 15 |
| 48 | Unmasking of CD22 Co-receptor on Germinal Center B-cells Occurs by Alternative Mechanisms in Mouse and Man. <i>Journal of Biological Chemistry</i> , 2015, 290, 30066-30077. | 3.4 | 52 |
| 49 | Ndt80p is involved in l-sorbose utilization through regulating SOU1 in <i>Candida albicans</i> . <i>International Journal of Medical Microbiology</i> , 2015, 305, 170-173. | 3.6 | 3 |
| 50 | Protein tyrosine phosphatase PTPN3 inhibits lung cancer cell proliferation and migration by promoting EGFR endocytic degradation. <i>Oncogene</i> , 2015, 34, 3791-3803. | 5.9 | 55 |
| 51 | Characteristic Tandem Mass Spectral Features Under Various Collision Chemistries for Site-Specific Identification of Protein S-Glutathionylation. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 120-132. | 2.8 | 9 |
| 52 | Modifying an Insect CellN-Glycan Processing Pathway Using CRISPR-Cas Technology. <i>ACS Chemical Biology</i> , 2015, 10, 2199-2208. | 3.4 | 35 |
| 53 | To complete its replication cycle, a shrimp virus changes the population of long chain fatty acids during infection via the PI3K-Akt-mTOR-HIF1Î± pathway. <i>Developmental and Comparative Immunology</i> , 2015, 53, 85-95. | 2.3 | 45 |
| 54 | Targeted glycoengineering extends the protein N-glycosylation pathway in the silkworm silk gland. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 20-27. | 2.7 | 25 |

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|----|---|------|-----------|
| 55 | CRL2 aids elimination of truncated selenoproteins produced by failed UGA/Sec decoding. <i>Science</i> , 2015, 349, 91-95. | 12.6 | 56 |
| 56 | Engineering β 1,4-galactosyltransferase I to reduce secretion and enhance N-glycan elongation in insect cells. <i>Journal of Biotechnology</i> , 2015, 193, 52-65. | 3.8 | 16 |
| 57 | Mass Spectrometry Mass spectrometry -Based Protein Glycosylation Analysis Glycosylation analysis from Sulfoglycomics Sulfoglycomics to Glycoproteomics. , 2015, , 79-86. | | 2 |
| 58 | Correlation between the Glycan Variations and Defibrinogenating Activities of Acutobin and Its Recombinant Glycoforms. <i>PLoS ONE</i> , 2014, 9, e100354. | 2.5 | 7 |
| 59 | Stage-specific embryonic antigen-4 as a potential therapeutic target in glioblastoma multiforme and other cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2482-2487. | 7.1 | 104 |
| 60 | A Single Arabinan Chain Is Attached to the Phosphatidylinositol Mannosyl Core of the Major Immunomodulatory Mycobacterial Cell Envelope Glycoconjugate, Lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2014, 289, 30249-30256. | 3.4 | 16 |
| 61 | An Invertebrate Warburg Effect: A Shrimp Virus Achieves Successful Replication by Altering the Host Metabolome via the PI3K-Akt-mTOR Pathway. <i>PLoS Pathogens</i> , 2014, 10, e1004196. | 4.7 | 141 |
| 62 | MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014, 24, 402-406. | 2.5 | 116 |
| 63 | GEF-H1 controls focal adhesion signaling that regulates mesenchymal stem cell lineage commitment. <i>Journal of Cell Science</i> , 2014, 127, 4186-200. | 2.0 | 29 |
| 64 | An adaptive workflow coupled with Random Forest algorithm to identify intact N-glycopeptides detected from mass spectrometry. <i>Bioinformatics</i> , 2014, 30, 1908-1916. | 4.1 | 20 |
| 65 | Phosphoproteomic analyses reveal that galectin-1 augments the dynamics of B-cell receptor signaling. <i>Journal of Proteomics</i> , 2014, 103, 241-253. | 2.4 | 12 |
| 66 | Mass Spectrometry-Based Quantitative Proteomics for Dissecting Multiplexed Redox Cysteine Modifications in Nitric Oxide-Protected Cardiomyocyte Under Hypoxia. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1365-1381. | 5.4 | 82 |
| 67 | Facile removal of high mannose structures prior to extracting complex type N-glycans from deacetylated glycosylated peptides retained by C18 solid phase to allow more efficient glycomic mapping. <i>Proteomics</i> , 2014, 14, 87-92. | 2.2 | 8 |
| 68 | A novel baculovirus vector for the production of nonfucosylated recombinant glycoproteins in insect cells. <i>Glycobiology</i> , 2014, 24, 325-340. | 2.5 | 39 |
| 69 | A new insect cell glycoengineering approach provides baculovirus-inducible glycoprotein expression and increases human-type glycosylation efficiency. <i>Journal of Biotechnology</i> , 2014, 182-183, 19-29. | 3.8 | 32 |
| 70 | Novel LC-MS ² Product Dependent Parallel Data Acquisition Function and Data Analysis Workflow for Sequencing and Identification of Intact Glycopeptides. <i>Analytical Chemistry</i> , 2014, 86, 5478-5486. | 6.5 | 89 |
| 71 | Decoding the S-Nitrosoproteomic Atlas in Individualized Human Colorectal Cancer Tissues Using a Label-Free Quantitation Strategy. <i>Journal of Proteome Research</i> , 2014, 13, 4942-4958. | 3.7 | 19 |
| 72 | Characterization of Protein Serotonylation via Bioorthogonal Labeling and Enrichment. <i>Journal of Proteome Research</i> , 2014, 13, 3523-3529. | 3.7 | 15 |

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|----|---|-----|-----------|
| 73 | From Mass Spectrometry-Based Glycosylation Analysis to Glycomics and Glycoproteomics. <i>Advances in Neurobiology</i> , 2014, 9, 129-164. | 1.8 | 1 |
| 74 | Mass Spectrometry-Based Protein Glycosylation Analysis from Sulfoglycomics to Glycoproteomics. , 2014, , 1-7. | | 0 |
| 75 | GEF-H1 controls focal adhesion signaling that regulates mesenchymal stem cell lineage commitment. <i>Development (Cambridge)</i> , 2014, 141, e2005-e2005. | 2.5 | 0 |
| 76 | Increasing the depth of mass spectrometry-based glycomic coverage by additional dimensions of sulfoglycomics and target analysis of permethylated glycans. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6683-6695. | 3.7 | 29 |
| 77 | Attenuation of fibroblast growth factor signaling by polyN-acetyllactosamine type glycans. <i>FEBS Letters</i> , 2013, 587, 3195-3201. | 2.8 | 6 |
| 78 | Quantitative apical membrane proteomics reveals vasopressin-induced actin dynamics in collecting duct cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17119-17124. | 7.1 | 58 |
| 79 | Advanced mass spectrometry and chemical analyses reveal the presence of terminal disialyl motif on mouse B-cell glycoproteins. <i>Glycobiology</i> , 2013, 23, 677-689. | 2.5 | 12 |
| 80 | Evaluation of <i>Drosophila</i> Metabolic Labeling Strategies for <i>In Vivo</i> Quantitative Proteomic Analyses with Applications to Early Pupa Formation and Amino Acid Starvation. <i>Journal of Proteome Research</i> , 2013, 12, 2138-2150. | 3.7 | 13 |
| 81 | Immunization of fucose-containing polysaccharides from Reishi mushroom induces antibodies to tumor-associated Globo H-series epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13809-13814. | 7.1 | 66 |
| 82 | Priming mass spectrometry-based sulfoglycomic mapping for identification of terminal sulfated lacdiNAc glycocone. <i>Glycoconjugate Journal</i> , 2013, 30, 183-194. | 2.7 | 16 |
| 83 | Impact of a human CMP-sialic acid transporter on recombinant glycoprotein sialylation in glycoengineered insect cells. <i>Glycobiology</i> , 2013, 23, 199-210. | 2.5 | 30 |
| 84 | Sweet-Heart – An integrated suite of enabling computational tools for automated MS2/MS3 sequencing and identification of glycopeptides. <i>Journal of Proteomics</i> , 2013, 84, 1-16. | 2.4 | 60 |
| 85 | An <i>In Vivo</i> Tagging Method Reveals that Ras Undergoes Sustained Activation upon Transglutaminase-Mediated Protein Serotonylation. <i>ChemBioChem</i> , 2013, 14, 813-817. | 2.6 | 16 |
| 86 | BAD-Lectins: Boronic Acid-Decorated Lectins with Enhanced Binding Affinity for the Selective Enrichment of Glycoproteins. <i>Analytical Chemistry</i> , 2013, 85, 8268-8276. | 6.5 | 33 |
| 87 | The Fifth ACGG-DB Meeting Report: Towards an International Glycan Structure Repository. <i>Glycobiology</i> , 2013, 23, 1422-1424. | 2.5 | 8 |
| 88 | KSGal6ST generates galactose-6-O-sulfate in high endothelial venules but does not contribute to L-selectin-dependent lymphocyte homing. <i>Glycobiology</i> , 2013, 23, 381-394. | 2.5 | 34 |
| 89 | Phosphoproteomic Analysis Reveals the Effects of PilF Phosphorylation on Type IV Pilus and Biofilm Formation in <i>Thermus thermophilus</i> HB27. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2701-2713. | 3.8 | 20 |
| 90 | Galactose 6-O-Sulfotransferases Are Not Required for the Generation of Siglec-F Ligands in Leukocytes or Lung Tissue. <i>Journal of Biological Chemistry</i> , 2013, 288, 26533-26545. | 3.4 | 41 |

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|-----|---|------|-----------|
| 91 | In Vivo Regulation of Steroid Hormones by the Chst10 Sulfotransferase in Mouse. <i>Journal of Biological Chemistry</i> , 2013, 288, 5007-5016. | 3.4 | 8 |
| 92 | AGO61-dependent GlcNAc modification primes the formation of functional glycans on Î±-dystroglycan. <i>Scientific Reports</i> , 2013, 3, 3288. | 3.3 | 32 |
| 93 | Distribution of the GalÎ²1-4Gal Epitope among Birds: Species-Specific Loss of the Glycan Structure in Chicken and Its Relatives. <i>PLoS ONE</i> , 2013, 8, e59291. | 2.5 | 14 |
| 94 | Ceramide Glycosylation by Glucosylceramide Synthase Selectively Maintains the Properties of Breast Cancer Stem Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 37195-37205. | 3.4 | 64 |
| 95 | Identification of Mono- and Disulfated N-Acetyl-lactosaminy Oligosaccharide Structures as Epitopes Specifically Recognized by Humanized Monoclonal Antibody HMOCC-1 Raised against Ovarian Cancer. <i>Journal of Biological Chemistry</i> , 2012, 287, 6592-6602. | 3.4 | 22 |
| 96 | Identification of the Mycobacterium marinum Apa antigen O-mannosylation sites reveals important glycosylation variability with the M. tuberculosis Apa homologue. <i>Journal of Proteomics</i> , 2012, 75, 5695-5705. | 2.4 | 8 |
| 97 | Mapping the Expressed Glycome and Glycosyltransferases of Zebrafish Liver Cells as a Relevant Model System for Glycosylation Studies. <i>Journal of Proteome Research</i> , 2012, 11, 2164-2177. | 3.7 | 18 |
| 98 | In Vivo Tagging and Characterization of S-Glutathionylated Proteins by a Chemoenzymatic Method. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5871-5875. | 13.8 | 29 |
| 99 | Glycan structures and intrageneric variations of venom acidic phospholipases A ₂ from <i>Tropidolaemus pitvipers</i> . <i>FEBS Journal</i> , 2012, 279, 2672-2682. | 4.7 | 14 |
| 100 | 60. Glycan Structures and Intrageneric Variations of Acidic Phospholipases A2 from <i>Tropidolaemus</i> Venom. <i>Toxicon</i> , 2012, 60, 124-125. | 1.6 | 0 |
| 101 | Rapid glycopeptide enrichment and N-glycosylation site mapping strategies based on amine-functionalized magnetic nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2765-2776. | 3.7 | 48 |
| 102 | Putative xylosyltransferase genes in <i>Trichomonas vaginalis</i> . <i>Soft Computing</i> , 2012, 16, 381-391. | 3.6 | 0 |
| 103 | Useful Mimics for Mammalian Eggs: The Development of Porcine Ovabeads. <i>Biology of Reproduction</i> , 2012, 87, 61-61. | 2.7 | 3 |
| 104 | Human Sperm Binding Is Mediated by the Sialyl-Lewis ^x Oligosaccharide on the Zona Pellucida. <i>Science</i> , 2011, 333, 1761-1764. | 12.6 | 278 |
| 105 | Phosphorylation of the Zebrafish M6Ab at Serine 263 Contributes to Filopodium Formation in PC12 Cells and Neurite Outgrowth in Zebrafish Embryos. <i>PLoS ONE</i> , 2011, 6, e26461. | 2.5 | 15 |
| 106 | Polysaccharides purified from the submerged culture of <i>Ganoderma formosanum</i> stimulate macrophage activation and protect mice against <i>Listeria monocytogenes</i> infection. <i>Biotechnology Letters</i> , 2011, 33, 2271-2278. | 2.2 | 23 |
| 107 | Selective Extraction and Effective Separation of Galactosylsphingosine (Psychosine) and Glucosylsphingosine from Other Glycosphingolipids in Pathological Tissue Samples. <i>Neurochemical Research</i> , 2011, 36, 1612-1622. | 3.3 | 11 |
| 108 | Prominent expression of sialyl Lewis X-capped core 2 branched O-glycans on high endothelial venule-like vessels in gastric MALT lymphoma. <i>Journal of Pathology</i> , 2011, 224, 67-77. | 4.5 | 37 |

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|-----|--|-----|-----------|
| 109 | Glycoproteomics analysis to identify a glycoform on haptoglobin associated with lung cancer. <i>Proteomics</i> , 2011, 11, 2162-2170. | 2.2 | 51 |
| 110 | MS-based glycomic strategies for probing the structural details of polylactosaminoglycan chain on N-glycans and glycoproteomic identification of its protein carriers. <i>Proteomics</i> , 2011, 11, 2812-2829. | 2.2 | 8 |
| 111 | Changes in Glycosphingolipid Composition During Differentiation of Human Embryonic Stem Cells to Ectodermal or Endodermal Lineages. <i>Stem Cells</i> , 2011, 29, 1995-2004. | 3.2 | 45 |
| 112 | Terminal disialylated multiantennary complex-type N-glycans carried on acutobin define the glycosylation characteristics of the <i>Deinagkistrodon acutus</i> venom. <i>Glycobiology</i> , 2011, 21, 530-542. | 2.5 | 26 |
| 113 | Sialylation and fucosylation of epidermal growth factor receptor suppress its dimerization and activation in lung cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11332-11337. | 7.1 | 347 |
| 114 | The identification and analysis of phosphorylation sites on the Atg1 protein kinase. <i>Autophagy</i> , 2011, 7, 716-726. | 9.1 | 23 |
| 115 | Nitrite-Mediated S-Nitrosylation of Caspase-3 Prevents Hypoxia-Induced Endothelial Barrier Dysfunction. <i>Circulation Research</i> , 2011, 109, 1375-1386. | 4.5 | 31 |
| 116 | Abstract 2305: Role of ST3Gal1 sialyltransferase in breast cancer cells. , 2011, , . | | 1 |
| 117 | MS-Based Glycoanalysis. , 2010, , 123-156. | | 0 |
| 118 | N-Glycosylation profiling of turtle egg yolk: expression of galabiose structure. <i>Carbohydrate Research</i> , 2010, 345, 442-448. | 2.3 | 11 |
| 119 | Core2 O-Glycan Structure Is Essential for the Cell Surface Expression of Sucrase Isomaltase and Dipeptidyl Peptidase-IV during Intestinal Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2010, 285, 37683-37692. | 3.4 | 23 |
| 120 | Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727. | 3.8 | 136 |
| 121 | Switching of the core structures of glycosphingolipids from globo- and lacto- to ganglio-series upon human embryonic stem cell differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22564-22569. | 7.1 | 103 |
| 122 | S-Alkylating Labeling Strategy for Site-Specific Identification of the S-Nitrosoproteome. <i>Journal of Proteome Research</i> , 2010, 9, 6417-6439. | 3.7 | 64 |
| 123 | Mass Spectrometric Analysis of Sulfated N- and O-Glycans. <i>Methods in Enzymology</i> , 2010, 478, 3-26. | 1.0 | 40 |
| 124 | Glycans on influenza hemagglutinin affect receptor binding and immune response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18137-18142. | 7.1 | 268 |
| 125 | Core3 O-Glycan Synthase Suppresses Tumor Formation and Metastasis of Prostate Carcinoma PC3 and LNCaP Cells through Down-regulation of β 1 Integri Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 17157-17169. | 3.4 | 66 |
| 126 | Glycomics and Proteomics Analyses of Mouse Uterine Luminal Fluid Revealed a Predominance of Lewis Y and X Epitopes on Specific Protein Carriers. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 325-342. | 3.8 | 21 |

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|-----|---|-----|-----------|
| 127 | Enabling techniques and strategic workflow for sulfoglycomics based on mass spectrometry mapping and sequencing of permethylated sulfated glycans. <i>Glycobiology</i> , 2009, 19, 1136-1149. | 2.5 | 60 |
| 128 | Phosphoproteomics of <i>Klebsiella pneumoniae</i> NTUH-K2044 Reveals a Tight Link between Tyrosine Phosphorylation and Virulence. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2613-2623. | 3.8 | 102 |
| 129 | Structural analysis of N-glycans from gull egg white glycoproteins and egg yolk IgG. <i>Glycobiology</i> , 2009, 19, 693-706. | 2.5 | 27 |
| 130 | Developmental regulation of oligosialylation in zebrafish. <i>Glycoconjugate Journal</i> , 2009, 26, 247-261. | 2.7 | 23 |
| 131 | Identification of blood group A ^{b/y} and B ^{b/y} active glycotopes co-expressed on the O-glycans isolated from two distinct human ovarian cyst fluids. <i>Proteomics</i> , 2009, 9, 3445-3462. | 2.2 | 8 |
| 132 | Determination of N-Glycosylation Site and Glycan Structures of Pectin Methyltransferase in Jelly Fig (<i>Ficus awkeotsang</i>) Achenes. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6757-6763. | 5.2 | 9 |
| 133 | Glycomic mapping of O- and N-linked glycans from major rat sublingual mucin. <i>Glycoconjugate Journal</i> , 2008, 25, 199-212. | 2.7 | 26 |
| 134 | A single step method for purification of sulfated oligosaccharides. <i>Glycoconjugate Journal</i> , 2008, 25, 903-915. | 2.7 | 6 |
| 135 | Proteomic identification of specific glycosyltransferases functionally implicated for the biosynthesis of a targeted glycoepitope. <i>Proteomics</i> , 2008, 8, 475-483. | 2.2 | 7 |
| 136 | Targeted identification of phosphorylated peptides by offline HPLC-MALDI-MS/MS using LC retention time prediction. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1649-1658. | 1.6 | 7 |
| 137 | The expression of sialylated high-antennary N-glycans in edible bird's nest. <i>Carbohydrate Research</i> , 2008, 343, 1373-1377. | 2.3 | 47 |
| 138 | Cysteine S-Nitrosylation Protects Protein-tyrosine Phosphatase 1B against Oxidation-induced Permanent Inactivation. <i>Journal of Biological Chemistry</i> , 2008, 283, 35265-35272. | 3.4 | 135 |
| 139 | Redox regulation of the protein tyrosine phosphatase PTP1B in cancer cells. <i>FEBS Journal</i> , 2008, 275, 69-88. | 4.7 | 96 |
| 140 | New insights into the functions and N-glycan structures of factor X activator from Russell's viper venom. <i>FEBS Journal</i> , 2008, 275, 3944-3958. | 4.7 | 33 |
| 141 | The Identification and Location of Succinyl Residues and the Characterization of the Interior Arabinan Region Allow for a Model of the Complete Primary Structure of Mycobacterium tuberculosis Mycolyl Arabinogalactan. <i>Journal of Biological Chemistry</i> , 2008, 283, 12992-13000. | 3.4 | 82 |
| 142 | Immobilized Metal Affinity Chromatography Revisited: pH/Acid Control toward High Selectivity in Phosphoproteomics. <i>Journal of Proteome Research</i> , 2008, 7, 4058-4069. | 3.7 | 125 |
| 143 | Tyrosine Phosphoproteomics and Identification of Substrates of Protein Tyrosine Phosphatase dPTP61F in <i>Drosophila</i> S2 Cells by Mass Spectrometry-Based Substrate Trapping Strategy. <i>Journal of Proteome Research</i> , 2008, 7, 1055-1066. | 3.7 | 21 |
| 144 | Precise Mapping of Increased Sialylation Pattern and the Expression of Acute Phase Proteins Accompanying Murine Tumor Progression in BALB/c Mouse by Integrated Sera Proteomics and Glycomics. <i>Journal of Proteome Research</i> , 2008, 7, 3293-3303. | 3.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Identification of Further Elongation and Branching of Dimeric Type 1 Chain on Lactosylceramides from Colonic Adenocarcinoma by Tandem Mass Spectrometry Sequencing Analyses. <i>Journal of Biological Chemistry</i> , 2008, 283, 16455-16468. | 3.4 | 21 |
| 146 | Highly fucosylated N-glycan ligands for mannan-binding protein expressed specifically on CD26 (DPPVI) isolated from a human colorectal carcinoma cell line, SW1116. <i>Glycobiology</i> , 2008, 19, 437-450. | 2.5 | 32 |
| 147 | Transfer of the First Arabinofuranose Residue to Galactan Is Essential for <i>Mycobacterium smegmatis</i> Viability. <i>Journal of Bacteriology</i> , 2008, 190, 5248-5255. | 2.2 | 19 |
| 148 | Enhanced expression of β -3-galactosyltransferase 5 activity is sufficient to induce in vivo synthesis of extended type 1 chains on lactosylceramides of selected human colonic carcinoma cell lines. <i>Glycobiology</i> , 2008, 19, 418-427. | 2.5 | 14 |
| 149 | Analysis of protein-linked glycosylation in a sperm-somatic cell adhesion system. <i>Glycobiology</i> , 2007, 17, 553-567. | 2.5 | 21 |
| 150 | New Insights into the Biosynthesis of Mycobacterial Lipomannan Arising from Deletion of a Conserved Gene. <i>Journal of Biological Chemistry</i> , 2007, 282, 27133-27140. | 3.4 | 60 |
| 151 | Mass spectrometry-based analyses for identifying and characterizing S-nitrosylation of protein tyrosine phosphatases. <i>Methods</i> , 2007, 42, 243-249. | 3.8 | 36 |
| 152 | Comparison of the methods for profiling glycoprotein glycans—HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422. | 2.5 | 382 |
| 153 | Characterization of a Distinct Arabinofuranosyltransferase in <i>Mycobacterium smegmatis</i> . <i>Journal of the American Chemical Society</i> , 2007, 129, 9650-9662. | 13.7 | 33 |
| 154 | Concerted Experimental Approach for Sequential Mapping of Peptides and Phosphopeptides Using C18-Functionalized Magnetic Nanoparticles. <i>Journal of Proteome Research</i> , 2007, 6, 1313-1324. | 3.7 | 26 |
| 155 | Glycomic mapping of pseudomucinous human ovarian cyst glycoproteins: Identification of Lewis and sialyl Lewis glycotopes. <i>Proteomics</i> , 2007, 7, 3699-3717. | 2.2 | 24 |
| 156 | Critical functions of N-glycans in L-selectin-mediated lymphocyte homing and recruitment. <i>Nature Immunology</i> , 2007, 8, 409-418. | 14.5 | 169 |
| 157 | Sequencing of Oligoarabinosyl Units Released from Mycobacterial Arabinogalactan by Endogenous Arabinanase: Identification of Distinctive and Novel Structural Motifs. <i>Biochemistry</i> , 2006, 45, 15817-15828. | 2.5 | 46 |
| 158 | Introduction. <i>Glycoconjugate Journal</i> , 2006, 23, 273-276. | 2.7 | 0 |
| 159 | Distinctive characteristics of MALDI-Q/TOF and TOF/TOF tandem mass spectrometry for sequencing of permethylated complex type N-glycans. <i>Glycoconjugate Journal</i> , 2006, 23, 355-369. | 2.7 | 73 |
| 160 | Isolation and Characterization of a Pure Mannan from <i>Oncidium</i> (cv. Gower Ramsey) Current Pseudobulb during Initial Inflorescence Development. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 551-553. | 1.3 | 17 |
| 161 | The Carboxy Terminus of EmbC from <i>Mycobacterium smegmatis</i> Mediates Chain Length Extension of the Arabinan in Lipoarabinomannan. <i>Journal of Biological Chemistry</i> , 2006, 281, 19512-19526. | 3.4 | 75 |
| 162 | Glycomic survey mapping of zebrafish identifies unique sialylation pattern. <i>Glycobiology</i> , 2006, 16, 244-257. | 2.5 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Structural correlation of glycoinositol phospholipids and pathological spectra of leishmaniasis from the old world parasite isolates. <i>FASEB Journal</i> , 2006, 20, LB57. | 0.5 | 0 |
| 164 | Purification and structural analysis of the novel glycoprotein allergen Cyn ^d 24, a pathogenesis-related protein PR ¹ , from Bermuda grass pollen. <i>FEBS Journal</i> , 2005, 272, 6218-6227. | 4.7 | 29 |
| 165 | Characterization of Oligosaccharide Ligands Expressed on SW1116 Cells Recognized by Mannan-binding Protein. <i>Journal of Biological Chemistry</i> , 2005, 280, 10897-10913. | 3.4 | 50 |
| 166 | Sequencing of Oligosaccharides and Glycoproteins. , 2005, , 461-482. | | 2 |
| 167 | Truncated Structural Variants of Lipoarabinomannan in <i>Mycobacterium leprae</i> and an Ethambutol-resistant Strain of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 41227-41239. | 3.4 | 64 |
| 168 | Studies on the immuno-modulating and anti-tumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5595-5601. | 3.0 | 139 |
| 169 | In Vitro Modification of Human Centromere Protein CENP-C Fragments by Small Ubiquitin-like Modifier (SUMO) Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 39653-39662. | 3.4 | 50 |
| 170 | Structural Determination of Five Novel Tetrasaccharides Containing 3-O-Sulfated-d-Glucuronic Acid and Two Rare Oligosaccharides Containing a β -d-Glucose Branch Isolated from Squid Cartilage Chondroitin Sulfate. <i>Biochemistry</i> , 2004, 43, 11063-11074. | 2.5 | 55 |
| 171 | The Emb proteins of mycobacteria direct arabinosylation of lipoarabinomannan and arabinogalactan via an N-terminal recognition region and a C-terminal synthetic region. <i>Molecular Microbiology</i> , 2003, 50, 69-76. | 2.5 | 126 |
| 172 | N-Glycan structures of squid rhodopsin. Existence of the alpha1-3 and alpha1-6 difucosylated innermost GlcNAc residue in a molluscan glycoprotein. <i>FEBS Journal</i> , 2003, 270, 2627-2632. | 0.2 | 42 |
| 173 | Strategic shotgun proteomics approach for efficient construction of an expression map of targeted protein families in hepatoma cell lines. <i>Proteomics</i> , 2003, 3, 2472-2486. | 2.2 | 89 |
| 174 | N-Glycan Structures of Pigeon IgG. <i>Journal of Biological Chemistry</i> , 2003, 278, 46293-46306. | 3.4 | 45 |
| 175 | Biomic study of human myeloid leukemia cells differentiation to macrophages using DNA array, proteomic, and bioinformatic analytical methods. <i>Electrophoresis</i> , 2002, 23, 2490-2504. | 2.4 | 62 |
| 176 | Studies on the immuno-Modulating and antitumor activities of <i>Ganoderma lucidum</i> (Reishi) polysaccharides: functional and proteomic analyses of a fucose-Containing glycoprotein fraction responsible for the activities. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1057-1062. | 3.0 | 218 |
| 177 | Isolation and characterization of an active compound from black soybean [<i>Glycine max</i> (L.) Merr.] and its effect on proliferation and differentiation of human leukemic U937 cells. <i>Anti-Cancer Drugs</i> , 2001, 12, 841-846. | 1.4 | 49 |
| 178 | The surface glycopeptidolipids of mycobacteria: structures and biological properties. <i>Cellular and Molecular Life Sciences</i> , 2001, 58, 2018-2042. | 5.4 | 121 |
| 179 | Synthetic mannosides act as acceptors for mycobacterial β -1-6 mannosyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 815-824. | 3.0 | 42 |
| 180 | N-Glycan Structures from the Major Glycoproteins of Pigeon Egg White. <i>Journal of Biological Chemistry</i> , 2001, 276, 23230-23239. | 3.4 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 181 | Variation in Mannose-capped Terminal Arabinan Motifs of Lipoarabinomannans from Clinical Isolates of <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium avium</i> Complex. <i>Journal of Biological Chemistry</i> , 2001, 276, 3863-3871. | 3.4 | 85 |
| 182 | The Role of the embA and embB Gene Products in the Biosynthesis of the Terminal Hexaarabinofuranosyl Motif of <i>Mycobacterium smegmatis</i> Arabinogalactan. <i>Journal of Biological Chemistry</i> , 2001, 276, 48854-48862. | 3.4 | 155 |
| 183 | Characteristic structural features of schistosome cercarial N-glycans: expression of Lewis X and core xylosylation. <i>Glycobiology</i> , 2001, 11, 149-163. | 2.5 | 57 |
| 184 | Selective expression of different fucosylated epitopes on two distinct sets of <i>Schistosoma mansoni</i> cercarial O-glycans: identification of a novel core type and Lewis X structure. <i>Glycobiology</i> , 2001, 11, 395-406. | 2.5 | 46 |
| 185 | Isolation and Characterization of Major Glycoproteins of Pigeon Egg White. <i>Journal of Biological Chemistry</i> , 2001, 276, 23221-23229. | 3.4 | 51 |
| 186 | Glycoconjugates from Parasitic Helminths: Structure Diversity and Immunobiological Implications. <i>Advances in Experimental Medicine and Biology</i> , 2001, 491, 185-205. | 1.6 | 37 |
| 187 | Structural Variations in Schistosomal Glycans.. <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 493-506. | 0.1 | 9 |
| 188 | Structural analysis of the asparagine-linked glycans from the procyclic <i>Trypanosoma brucei</i> and its glycosylation mutants resistant to Concanavalin A killing. <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 173-184. | 1.1 | 16 |
| 189 | Developmentally Regulated Expression of a Peptide:N-Glycanase during Germination of Rice Seeds (<i>Oryza sativa</i>) and Its Purification and Characterization. <i>Journal of Biological Chemistry</i> , 2000, 275, 129-134. | 3.4 | 33 |
| 190 | Altered Expression Profile of the Surface Glycopeptidolipids in Drug-resistant Clinical Isolates of <i>Mycobacterium avium</i> Complex. <i>Journal of Biological Chemistry</i> , 1999, 274, 9778-9785. | 3.4 | 48 |
| 191 | The pimB Gene of <i>Mycobacterium tuberculosis</i> Encodes a Mannosyltransferase Involved in Lipoarabinomannan Biosynthesis. <i>Journal of Biological Chemistry</i> , 1999, 274, 31625-31631. | 3.4 | 104 |
| 192 | Structural determination of novel tetra- and hexasaccharide sequences isolated from chondroitin sulfate H (oversulfated dermatan sulfate) of hagfish notochord. <i>Glycoconjugate Journal</i> , 1999, 16, 291-305. | 2.7 | 32 |
| 193 | Controlled Acid Hydrolysis of Colominic Acid under Microwave Irradiation. <i>Analytical Biochemistry</i> , 1999, 267, 287-293. | 2.4 | 13 |
| 194 | Regioselective Lactonization of α -(2,8)-Trisialic Acid. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 686-689. | 13.8 | 17 |
| 195 | Immunogenic glycoconjugates implicated in parasitic nematode diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1455, 353-362. | 3.8 | 72 |
| 196 | Protein glycosylation mutants of procyclic <i>Trypanosoma brucei</i> : defects in the asparagine-glycosylation pathway. <i>Glycobiology</i> , 1999, 9, 125-131. | 2.5 | 45 |
| 197 | <i>Mycobacterium</i> lipoarabinomannan: An extraordinary lipoheteroglycan with profound physiological effects. <i>Glycobiology</i> , 1998, 8, 113-120. | 2.5 | 333 |
| 198 | Structural mapping of the glycans from the egg glycoproteins of <i>Schistosoma mansoni</i> and <i>Schistosoma japonicum</i> : identification of novel core structures and terminal sequences. <i>Glycobiology</i> , 1997, 7, 663-677. | 2.5 | 136 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | Structural characterization of glycosphingolipids from the eggs of <i>Schistosoma mansoni</i> and <i>Schistosoma japonicum</i> . <i>Glycobiology</i> , 1997, 7, 653-661. | 2.5 | 74 |
| 200 | Galactosamine in walls of slow-growing mycobacteria. <i>Biochemical Journal</i> , 1997, 327, 519-525. | 3.7 | 35 |
| 201 | Characterization of the in vitro synthesized arabinan of mycobacterial cell walls. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1335, 231-234. | 2.4 | 32 |
| 202 | Characterisation of the phosphorylcholine-containing N-linked oligosaccharides in the excretory-secretory 62 kDa glycoprotein of <i>Acanthocheilonema viteae</i> . <i>Molecular and Biochemical Parasitology</i> , 1997, 85, 53-66. | 1.1 | 95 |
| 203 | Structural characterization of the N-glycans from <i>Echinococcus granulosus</i> hydatid cyst membrane and protozoa. <i>Molecular and Biochemical Parasitology</i> , 1997, 86, 237-248. | 1.1 | 60 |
| 204 | Chemistry of the Lyxose-Containing Mycobacteriophage Receptors of <i>Mycobacterium phlei</i> / <i>Mycobacterium smegmatis</i> . <i>Biochemistry</i> , 1996, 35, 11812-11819. | 2.5 | 32 |
| 205 | Definition of the full extent of glycosylation of the 45-kilodalton glycoprotein of <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , 1996, 178, 2498-2506. | 2.2 | 176 |
| 206 | Occurrence and Structural Analysis of Highly Sulfated Multiantennary N-linked Glycan Chains Derived from a Fertilization-Associated Carbohydrate-Rich Glycoprotein in Unfertilized Eggs of <i>Tribolodon hakonensis</i> . <i>FEBS Journal</i> , 1996, 238, 357-367. | 0.2 | 33 |
| 207 | Truncated Structural Variants of Lipoarabinomannan in Ethambutol Drug-resistant Strains of <i>Mycobacterium smegmatis</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 28682-28690. | 3.4 | 104 |
| 208 | Novel O-Methylated Terminal Glucuronic Acid Characterizes the Polar Glycopeptidolipids of <i>Mycobacterium habana</i> Strain TMC 5135. <i>Journal of Biological Chemistry</i> , 1996, 271, 12333-12342. | 3.4 | 26 |
| 209 | Expression of De-N-acetyl-gangliosides in Human Melanoma Cells Is Induced by Genistein or Nocodazole. <i>Journal of Biological Chemistry</i> , 1995, 270, 2921-2930. | 3.4 | 56 |
| 210 | Structural definition of the glycopeptidolipids and the pyruvylated, glycosylated acyltrehalose from <i>Mycobacterium butyricum</i> . <i>Carbohydrate Research</i> , 1995, 276, 449-455. | 2.3 | 10 |
| 211 | A Unique Multifucosylated α 3GalNAc β 1 α 4GlcNAc β 1 α 3Gal β 1-Motif Constitutes the Repeating Unit of the Complex O-Glycans Derived from the Cercarial Glycocalyx of <i>Schistosoma mansoni</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 17114-17123. | 3.4 | 125 |
| 212 | Inositol Phosphate Capping of the Nonreducing Termini of Lipoarabinomannan from Rapidly Growing Strains of <i>Mycobacterium</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 12380-12389. | 3.4 | 190 |
| 213 | The sulphated carbohydrate-protein linkage region isolated from chondroitin 4-sulphate chains of inter- β -trypsin inhibitor in human plasma. <i>Glycobiology</i> , 1995, 5, 335-341. | 2.5 | 37 |
| 214 | Expression of new KDN-gangliosides in rainbow trout testis during spermatogenesis and their structural identification. <i>Glycobiology</i> , 1995, 5, 207-218. | 2.5 | 25 |
| 215 | Structural definition of acylated phosphatidylinositol mannosides from <i>Mycobacterium tuberculosis</i> : definition of a common anchor for lipomannan and lipoarabinomannan. <i>Glycobiology</i> , 1995, 5, 117-127. | 2.5 | 131 |
| 216 | A precise structural analysis of a fertilization-associated carbohydrate-rich glycopeptide isolated from the fertilized eggs of euryhaline killifish (<i>Fundulus heteroclitus</i>). Novel penta-antennary N-glycan chains with a bisecting N-acetylglucosaminyl residue. <i>Glycobiology</i> , 1995, 5, 611-624. | 2.5 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | A new interpretation of the structure of the mycolyl-arabinogalactan complex of <i>Mycobacterium tuberculosis</i> as revealed through characterization of oligoglycosylalditol fragments by fast-atom bombardment mass spectrometry and ¹ H nuclear magnetic resonance spectroscopy. <i>Biochemistry</i> , 1995, 34, 4257-4266. | 2.5 | 227 |
| 218 | Structural studies on the tri- and tetrasaccharides isolated from porcine intestinal heparin and characterization of heparinase/heparitinases using them as substrates. <i>Glycobiology</i> , 1994, 4, 69-78. | 2.5 | 47 |
| 219 | Structural studies on the oligosaccharides isolated from bovine kidney heparan sulphate and characterization of bacterial heparitinases used as substrates. <i>Glycobiology</i> , 1994, 4, 535-544. | 2.5 | 65 |
| 220 | New pyruvylated, glycosylated acyltrehaloses from <i>Mycobacterium smegmatis</i> strains, and their implications for phage resistance in mycobacteria. <i>Carbohydrate Research</i> , 1994, 251, 99-114. | 2.3 | 23 |
| 221 | Chondroitinase ABC-resistant sulfated trisaccharides isolated from digests of chondroitin/dermatan sulfate chains. <i>Carbohydrate Research</i> , 1994, 255, 165-182. | 2.3 | 37 |
| 222 | [8] Mass spectrometry of carbohydrate-containing biopolymers. <i>Methods in Enzymology</i> , 1994, 230, 108-132. | 1.0 | 227 |
| 223 | Characterization of the specific antigenicity of representatives of <i>M. senegalense</i> and related bacteria. <i>Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology</i> , 1994, 281, 415-432. | 0.5 | 15 |
| 224 | FABMS/derivatisation strategies for the analysis of heparin-derived oligosaccharides. <i>Carbohydrate Research</i> , 1993, 244, 205-223. | 2.3 | 34 |
| 225 | S9.1 Applications of mass spectrometry to glycobiology. <i>Glycoconjugate Journal</i> , 1993, 10, 275-276. | 2.7 | 5 |
| 226 | S9.14 Precise structural determination of unique highly branched multiantennary N-glycan units present in fish egg hyosophorin. <i>Glycoconjugate Journal</i> , 1993, 10, 280-280. | 2.7 | 0 |
| 227 | S19.6 FAB-MS sequencing of mycobacterial glycolipid antigens. <i>Glycoconjugate Journal</i> , 1993, 10, 335-336. | 2.7 | 0 |
| 228 | Covalent structure determination of glycopolymers. <i>Current Opinion in Structural Biology</i> , 1993, 3, 687-693. | 5.7 | 6 |
| 229 | Trehalose-containing lipooligosaccharides of <i>Mycobacterium gordonae</i> : Presence of a mono-O-methyltetra-O-acyltrehalose "core" and branching in the oligosaccharide backbone. <i>Biochemistry</i> , 1993, 32, 12705-12714. | 2.5 | 31 |
| 230 | Further structural definition of a new family of glycopeptidolipids from <i>Mycobacterium xenopi</i> . <i>Biochemistry</i> , 1993, 32, 347-355. | 2.5 | 26 |
| 231 | Structural definition of the non-reducing termini of mannose-capped LAM from <i>Mycobacterium tuberculosis</i> through selective enzymatic degradation and fast atom bombardment-mass spectrometry. <i>Glycobiology</i> , 1993, 3, 497-506. | 2.5 | 87 |
| 232 | Structural analysis of the N-linked glycan chains from a styler glycoprotein associated with expression of self-incompatibility in <i>Nicotiana glauca</i> . <i>Glycobiology</i> , 1992, 2, 241-250. | 2.5 | 49 |
| 233 | Glucan Synthesis in <i>Pneumocystis carinii</i> . <i>Journal of Protozoology</i> , 1991, 38, 427-437. | 0.8 | 20 |
| 234 | Characterization of nematode glycoproteins: the major O-glycans of <i>Toxocara</i> excretory-secretory antigens are O-methylated trisaccharides. <i>Glycobiology</i> , 1991, 1, 163-171. | 2.5 | 96 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Assignment of anomeric configurations of pyranose sugars in oligosaccharides using a sensitive FAB-MS strategy. <i>Glycobiology</i> , 1990, 1, 83-91. | 2.5 | 22 |
| 236 | Structural Analysis of Oligosaccharides: FAB-MS, ES-MS and MALDI-MS. , 0, , 915-945. | | 4 |
| 237 | Molecular Basis and Role of Siglec-7 Ligand Expression on Chronic Lymphocytic Leukemia B Cells. <i>Frontiers in Immunology</i> , 0, 13, . | 4.8 | 14 |