

Carlito B Lebrilla

List of Publications by Year in descending order

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Version: 2024-02-01

240
papers

18,639
citations

13332

70
h-index

17891

125
g-index

242
all docs

242
docs citations

242
times ranked

16407
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | <i>In silico</i> screening-based discovery of inhibitors against glycosylation proteins dysregulated in cancer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 1540-1552. | 2.0 | 6 |
| 2 | Fucosylated Human Milk Oligosaccharide Foraging within the Species <i>Bifidobacterium pseudocatenulatum</i> Is Driven by Glycosyl Hydrolase Content and Specificity. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0170721. | 1.4 | 18 |
| 3 | Antitumor activity of a lectin targeting cancer-associated high-mannose glycans. <i>Molecular Therapy</i> , 2022, 30, 1523-1535. | 3.7 | 14 |
| 4 | Human Milk Oligosaccharide Compositions Illustrate Global Variations in Early Nutrition. <i>Journal of Nutrition</i> , 2022, 152, 1239-1253. | 1.3 | 19 |
| 5 | Host Cell Glycocalyx Remodeling Reveals SARS-CoV-2 Spike Protein Glycomic Binding Sites. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 799703. | 1.6 | 11 |
| 6 | The Development of the Davis Food Glycopedia—A Glycan Encyclopedia of Food. <i>Nutrients</i> , 2022, 14, 1639. | 1.7 | 3 |
| 7 | The psoriasis glycome: differential expression of cholesterol particle glycans and IgA glycans linked to disease severity. <i>Journal of Investigative Dermatology</i> , 2022, , . | 0.3 | 0 |
| 8 | Glycosylation alterations in serum of Alzheimer's disease patients show widespread changes in N-glycosylation of proteins related to immune function, inflammation, and lipoprotein metabolism. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2022, 14, e12309. | 1.2 | 6 |
| 9 | A proximity labeling method for protein-protein interactions on cell membrane. <i>Chemical Science</i> , 2022, 13, 6028-6038. | 3.7 | 7 |
| 10 | An approach for evaluating the effects of dietary fiber polysaccharides on the human gut microbiome and plasma proteome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123411119. | 3.3 | 12 |
| 11 | Origins of glycan selectivity in streptococcal Siglec-like adhesins suggest mechanisms of receptor adaptation. <i>Nature Communications</i> , 2022, 13, 2753. | 5.8 | 4 |
| 12 | Quantitative glycoproteomics of high-density lipoproteins. <i>RSC Advances</i> , 2022, 12, 18450-18456. | 1.7 | 0 |
| 13 | High-Density Lipoprotein Changes in Alzheimer's Disease Are APOE Genotype-Specific. <i>Biomedicines</i> , 2022, 10, 1495. | 1.4 | 6 |
| 14 | An Integrated Mass Spectrometry-Based Glycomics-Driven Glycoproteomics Analytical Platform to Functionally Characterize Glycosylation Inhibitors. <i>Molecules</i> , 2022, 27, 3834. | 1.7 | 6 |
| 15 | N-glycosylation profiling of serum immunoglobulin in opisthorchiasis patients. <i>Journal of Proteomics</i> , 2021, 230, 103980. | 1.2 | 3 |
| 16 | Associations of human milk oligosaccharides and bioactive proteins with infant growth and development among Malawian mother-infant dyads. <i>American Journal of Clinical Nutrition</i> , 2021, 113, 209-220. | 2.2 | 32 |
| 17 | Region-Specific Cell Membrane N-Glycome of Functional Mouse Brain Areas Revealed by nanoLC-MS Analysis. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100130. | 2.5 | 19 |
| 18 | Glycan-protein cross-linking mass spectrometry reveals sialic acid-mediated protein networks on cell surfaces. <i>Chemical Science</i> , 2021, 12, 8767-8777. | 3.7 | 14 |

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|----|--|------|-----------|
| 19 | Diet affects glycosylation of serum proteins in women at risk for cardiometabolic disease. <i>European Journal of Nutrition</i> , 2021, 60, 3727-3741. | 1.8 | 10 |
| 20 | Normal-phase chromatographic separation of pigmented wine tannin by nano-HPLC quadrupole time-of-flight tandem mass spectrometry and identification of candidate molecular features. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4699-4704. | 1.7 | 0 |
| 21 | Polysaccharide identification through oligosaccharide fingerprinting. <i>Carbohydrate Polymers</i> , 2021, 257, 117570. | 5.1 | 14 |
| 22 | Strain-level functional variation in the human gut microbiota based on bacterial binding to artificial food particles. <i>Cell Host and Microbe</i> , 2021, 29, 664-673.e5. | 5.1 | 27 |
| 23 | Associations of Human Milk Oligosaccharides and Bioactive Proteins with Infant Morbidity and Inflammation in Malawian Mother-Infant Dyads. <i>Current Developments in Nutrition</i> , 2021, 5, nzab072. | 0.1 | 9 |
| 24 | Evaluating microbiome-directed fibre snacks in gnotobiotic mice and humans. <i>Nature</i> , 2021, 595, 91-95. | 13.7 | 70 |
| 25 | Mesenchymal Stromal Cells Regulate Sialylations of N-Glycans, Affecting Cell Migration and Survival. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6868. | 1.8 | 10 |
| 26 | Analysis of site-specific glycan profiles of serum proteins in patients with multiple sclerosis or neuromyelitis optica spectrum disorder—a pilot study. <i>Glycobiology</i> , 2021, 31, 1230-1238. | 1.3 | 2 |
| 27 | A Multidimensional Mass Spectrometry-Based Workflow for <i>De Novo</i> Structural Elucidation of Oligosaccharides from Polysaccharides. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2175-2185. | 1.2 | 6 |
| 28 | UDP-glucose pyrophosphorylase 2, a regulator of glycogen synthesis and glycosylation, is critical for pancreatic cancer growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2103592118. | 3.3 | 14 |
| 29 | Proteoglycan 4 (lubricin) is a highly sialylated glycoprotein associated with cardiac valve damage in animal models of infective endocarditis. <i>Glycobiology</i> , 2021, , . | 1.3 | 3 |
| 30 | Isolation of HDL by sequential flotation ultracentrifugation followed by size exclusion chromatography reveals size-based enrichment of HDL-associated proteins. <i>Scientific Reports</i> , 2021, 11, 16086. | 1.6 | 13 |
| 31 | N-Glycomic Analysis of the Cell Shows Specific Effects of Glycosyl Transferase Inhibitors. <i>Cells</i> , 2021, 10, 2318. | 1.8 | 9 |
| 32 | Glycan biomarkers of autoimmunity and bile acid-associated alterations of the human glycome: Primary biliary cirrhosis and primary sclerosing cholangitis-specific glycans. <i>Clinical Immunology</i> , 2021, 230, 108825. | 1.4 | 2 |
| 33 | Glycomic profiling and the mammalian brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2022238118. | 3.3 | 11 |
| 34 | Lipid-Based Nutrient Supplementation Increases High-Density Lipoprotein (HDL) Cholesterol Efflux Capacity and Is Associated with Changes in the HDL Glycoproteome in Children. <i>ACS Omega</i> , 2021, 6, 32022-32031. | 1.6 | 7 |
| 35 | The glycoproteomics of hawk and caiman tears. <i>BMC Veterinary Research</i> , 2021, 17, 381. | 0.7 | 0 |
| 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 | High-throughput mutagenesis reveals unique structural features of human ADAR1. <i>Nature Communications</i> , 2020, 11, 5130. | 5.8 | 8 |
| 38 | High Mannose N-Glycans Promote Migration of Bone-Marrow-Derived Mesenchymal Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7194. | 1.8 | 7 |
| 39 | Comprehensive structural glycomic characterization of the glycocalyxes of cells and tissues. <i>Nature Protocols</i> , 2020, 15, 2668-2704. | 5.5 | 45 |
| 40 | Indole-3-lactic acid associated with Bifidobacterium-dominated microbiota significantly decreases inflammation in intestinal epithelial cells. <i>BMC Microbiology</i> , 2020, 20, 357. | 1.3 | 117 |
| 41 | The N-glycome regulates the endothelial-to-hematopoietic transition. <i>Science</i> , 2020, 370, 1186-1191. | 6.0 | 32 |
| 42 | A nonenzymatic method for cleaving polysaccharides to yield oligosaccharides for structural analysis. <i>Nature Communications</i> , 2020, 11, 3963. | 5.8 | 49 |
| 43 | Determination of the glycoprotein specificity of lectins on cell membranes through oxidative proteomics. <i>Chemical Science</i> , 2020, 11, 9501-9512. | 3.7 | 22 |
| 44 | A site-specific map of the human plasma glycome and its age and gender-associated alterations. <i>Scientific Reports</i> , 2020, 10, 17505. | 1.6 | 14 |
| 45 | Effects of Kifunensine on Production and N-Glycosylation Modification of Butyrylcholinesterase in a Transgenic Rice Cell Culture Bioreactor. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6896. | 1.8 | 9 |
| 46 | Glycomic analysis of antibody indicates distinctive glycosylation profile in patients with autoimmune cholangitis. <i>Journal of Autoimmunity</i> , 2020, 113, 102503. | 3.0 | 5 |
| 47 | Metastasis of cholangiocarcinoma is promoted by extended high-mannose glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7633-7644. | 3.3 | 63 |
| 48 | Sensory and monosaccharide analysis of drip brew coffee fractions versus brewing time. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2953-2962. | 1.7 | 20 |
| 49 | Examination of Carbohydrate Products in Feces Reveals Potential Biomarkers Distinguishing Exclusive and Nonexclusive Breastfeeding Practices in Infants. <i>Journal of Nutrition</i> , 2020, 150, 1051-1057. | 1.3 | 0 |
| 50 | Deep Structural Analysis and Quantitation of O-Linked Glycans on Cell Membrane Reveal High Abundances and Distinct Glycomic Profiles Associated with Cell Type and Stages of Differentiation. <i>Analytical Chemistry</i> , 2020, 92, 3758-3768. | 3.2 | 23 |
| 51 | Metabolic flux analysis of the neural cell glycocalyx reveals differential utilization of monosaccharides. <i>Glycobiology</i> , 2020, 30, 859-871. | 1.3 | 15 |
| 52 | The DNA repair enzyme MUTYH potentiates cytotoxicity of the alkylating agent MNNG by interacting with abasic sites. <i>Journal of Biological Chemistry</i> , 2020, 295, 3692-3707. | 1.6 | 10 |
| 53 | High-throughput glycomic analyses reveal unique oligosaccharide profiles of canine and feline milk samples. <i>PLoS ONE</i> , 2020, 15, e0243323. | 1.1 | 14 |
| 54 | Multiomics Studies Reveal Altered Hippocampal N-Glycosylation in High Fat Diet-Induced Obese Mice. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.2 | 1 |

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|----|--|-----|-----------|
| 55 | Characterization of Cell Glycocalyx with Mass Spectrometry Methods. <i>Cells</i> , 2019, 8, 882. | 1.8 | 26 |
| 56 | Effects of N-Glycosylation on the Structure, Function, and Stability of a Plant-Made Fc-Fusion Anthrax Decoy Protein. <i>Frontiers in Plant Science</i> , 2019, 10, 768. | 1.7 | 29 |
| 57 | Unveiling the metabolic fate of monosaccharides in cell membranes with glycomic and glycoproteomic analyses. <i>Chemical Science</i> , 2019, 10, 6992-7002. | 3.7 | 19 |
| 58 | Selective Proteolysis of Lactalbumin by Endogenous Enzymes of Human Milk at Acidic pH. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1900259. | 1.5 | 2 |
| 59 | Omics Forecasting: Predictive Calculations Permit the Rapid Interpretation of High-Resolution Mass Spectral Data from Complex Mixtures. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13318-13326. | 2.4 | 2 |
| 60 | Nod-like receptors are critical for gut-brain axis signalling in mice. <i>Journal of Physiology</i> , 2019, 597, 5777-5797. | 1.3 | 48 |
| 61 | Development of an Extensive Linkage Library for Characterization of Carbohydrates. <i>Analytical Chemistry</i> , 2019, 91, 13022-13031. | 3.2 | 22 |
| 62 | Discovery of Serotransferrin Glycoforms: Novel Markers for Diagnosis of Liver Periductal Fibrosis and Prediction of Cholangiocarcinoma. <i>Biomolecules</i> , 2019, 9, 538. | 1.8 | 17 |
| 63 | Site-Specific Glycoprofiles of HDL-Associated ApoE are Correlated with HDL Functional Capacity and Unaffected by Short-Term Diet. <i>Journal of Proteome Research</i> , 2019, 18, 3977-3984. | 1.8 | 23 |
| 64 | Recognition of specific sialoglycan structures by oral streptococci impacts the severity of endocardial infection. <i>PLoS Pathogens</i> , 2019, 15, e1007896. | 2.1 | 27 |
| 65 | Identification of potential sialic acid binding proteins on cell membranes by proximity chemical labeling. <i>Chemical Science</i> , 2019, 10, 6199-6209. | 3.7 | 33 |
| 66 | Site-Specific Glycosylation Quantitation of 50 Serum Glycoproteins Enhanced by Predictive Glycopeptidomics for Improved Disease Biomarker Discovery. <i>Analytical Chemistry</i> , 2019, 91, 5433-5445. | 3.2 | 41 |
| 67 | T-cell derived acetylcholine aids host defenses during enteric bacterial infection with <i>Citrobacter rodentium</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007719. | 2.1 | 36 |
| 68 | Infection-generated electric field in gut epithelium drives bidirectional migration of macrophages. <i>PLoS Biology</i> , 2019, 17, e3000044. | 2.6 | 28 |
| 69 | Strategy for Structural Elucidation of Polysaccharides: Elucidation of a Maize Mucilage that Harbors Diazotrophic Bacteria. <i>Analytical Chemistry</i> , 2019, 91, 7254-7265. | 3.2 | 67 |
| 70 | Function without Structures: The Need for In-Depth Analysis of Dietary Carbohydrates. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4418-4424. | 2.4 | 25 |
| 71 | Immunoglobulin A N-glycosylation Presents Important Body Fluid-specific Variations in Lactating Mothers. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2165-2177. | 2.5 | 17 |
| 72 | A rapid-throughput adaptable method for determining the monosaccharide composition of polysaccharides. <i>International Journal of Mass Spectrometry</i> , 2019, 438, 22-28. | 0.7 | 36 |

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|----|--|------|-----------|
| 73 | O ⁶ -GlcNAc-induced nuclear translocation of hnRNP is associated with progression and metastasis of cholangiocarcinoma. <i>Molecular Oncology</i> , 2019, 13, 338-357. | 2.1 | 24 |
| 74 | Genetic Ablation of Butyrate Utilization Attenuates Gastrointestinal Salmonella Disease. <i>Cell Host and Microbe</i> , 2018, 23, 266-273.e4. | 5.1 | 48 |
| 75 | Purification, characterization, and N-glycosylation of recombinant butyrylcholinesterase from transgenic rice cell suspension cultures. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1301-1310. | 1.7 | 16 |
| 76 | Biallelic Mutations in FUT8 Cause a Congenital Disorder of Glycosylation with Defective Fucosylation. <i>American Journal of Human Genetics</i> , 2018, 102, 188-195. | 2.6 | 49 |
| 77 | Mass Spectrometry Approaches to Glycomic and Glycoproteomic Analyses. <i>Chemical Reviews</i> , 2018, 118, 7886-7930. | 23.0 | 277 |
| 78 | Composition and Variation of Macronutrients, Immune Proteins, and Human Milk Oligosaccharides in Human Milk From Nonprofit and Commercial Milk Banks. <i>Journal of Human Lactation</i> , 2018, 34, 120-129. | 0.8 | 55 |
| 79 | Recent Advances in the Mass Spectrometry Methods for Glycomics and Cancer. <i>Analytical Chemistry</i> , 2018, 90, 208-224. | 3.2 | 64 |
| 80 | Revisiting monosaccharide analysis – quantitation of a comprehensive set of monosaccharides using dynamic multiple reaction monitoring. <i>Analyst</i> , The, 2018, 143, 200-207. | 1.7 | 60 |
| 81 | Targeted Measurements of O- and N-Glycopeptides Show That Proteins in High Density Lipoprotein Particles Are Enriched with Specific Glycosylation Compared to Plasma. <i>Journal of Proteome Research</i> , 2018, 17, 834-845. | 1.8 | 24 |
| 82 | Serum glycosylation characterization of osteonecrosis of the femoral head by mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2018, 24, 178-187. | 0.5 | 4 |
| 83 | Variation among populations in the immune protein composition of mother's milk reflects subsistence pattern. <i>Evolution, Medicine and Public Health</i> , 2018, 2018, 230-245. | 1.1 | 16 |
| 84 | Liquid Chromatography–Tandem Mass Spectrometry Approach for Determining Glycosidic Linkages. <i>Analytical Chemistry</i> , 2018, 90, 13073-13080. | 3.2 | 51 |
| 85 | Streptococcal Siglec-like adhesins recognize different subsets of human plasma glycoproteins: implications for infective endocarditis. <i>Glycobiology</i> , 2018, 28, 601-611. | 1.3 | 37 |
| 86 | Membrane glycomics reveal heterogeneity and quantitative distribution of cell surface sialylation. <i>Chemical Science</i> , 2018, 9, 6271-6285. | 3.7 | 42 |
| 87 | FGF2 Induces Migration of Human Bone Marrow Stromal Cells by Increasing Core Fucosylations on N-Glycans of Integrins. <i>Stem Cell Reports</i> , 2018, 11, 325-333. | 2.3 | 25 |
| 88 | Intact glycosphingolipidomic analysis of the cell membrane during differentiation yields extensive glycan and lipid changes. <i>Scientific Reports</i> , 2018, 8, 10993. | 1.6 | 16 |
| 89 | O-GlcNAcylation mediates metastasis of cholangiocarcinoma through FOXO3 and MAN1A1. <i>Oncogene</i> , 2018, 37, 5648-5665. | 2.6 | 26 |
| 90 | Multiple Reaction Monitoring for the Quantitation of Serum Protein Glycosylation Profiles: Application to Ovarian Cancer. <i>Journal of Proteome Research</i> , 2018, 17, 222-233. | 1.8 | 37 |

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|-----|--|------|-----------|
| 91 | System Metaglycomes: Mapping Dynamic Cell Surface N-glycome, O-glycome and Glycolipidome by Mass Spectrometry. <i>FASEB Journal</i> , 2018, 32, 673.11. | 0.2 | 1 |
| 92 | Growth and Morbidity of Gambian Infants are Influenced by Maternal Milk Oligosaccharides and Infant Gut Microbiota. <i>Scientific Reports</i> , 2017, 7, 40466. | 1.6 | 152 |
| 93 | Resolving the micro-heterogeneity and structural integrity of monoclonal antibodies by hybrid mass spectrometric approaches. <i>MAbs</i> , 2017, 9, 638-645. | 2.6 | 49 |
| 94 | Enterocyte glycosylation is responsive to changes in extracellular conditions: implications for membrane functions. <i>Glycobiology</i> , 2017, 27, 847-860. | 1.3 | 31 |
| 95 | HDL Glycoprotein Composition and Site-Specific Glycosylation Differentiates Between Clinical Groups and Affects IL-6 Secretion in Lipopolysaccharide-Stimulated Monocytes. <i>Scientific Reports</i> , 2017, 7, 43728. | 1.6 | 28 |
| 96 | The Gut Microbiota, Food Science, and Human Nutrition: A Timely Marriage. <i>Cell Host and Microbe</i> , 2017, 22, 134-141. | 5.1 | 87 |
| 97 | Lipid-Based Nutrient Supplements During Pregnancy and Lactation Did Not Affect Human Milk Oligosaccharides and Bioactive Proteins in a Randomized Trial. <i>Journal of Nutrition</i> , 2017, 147, 1867-1874. | 1.3 | 20 |
| 98 | Microbiota-activated PPAR- β signaling inhibits dysbiotic Enterobacteriaceae expansion. <i>Science</i> , 2017, 357, 570-575. | 6.0 | 796 |
| 99 | Persistence of Supplemented <i>Bifidobacterium longum</i> subsp. <i>infantis</i> EVCO01 in Breastfed Infants. <i>MSphere</i> , 2017, 2, . | 1.3 | 158 |
| 100 | Quantitation of human milk proteins and their glycoforms using multiple reaction monitoring (MRM). <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 589-606. | 1.9 | 41 |
| 101 | Analysis of Milk Oligosaccharides by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017, 1503, 121-129. | 0.4 | 14 |
| 102 | Absolute Quantitation of Human Milk Oligosaccharides Reveals Phenotypic Variations during Lactation. <i>Journal of Nutrition</i> , 2017, 147, 117-124. | 1.3 | 122 |
| 103 | Glycans and glycoproteins as specific biomarkers for cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 395-410. | 1.9 | 275 |
| 104 | Transient Expression of Tetrameric Recombinant Human Butyrylcholinesterase in <i>Nicotiana benthamiana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 743. | 1.7 | 33 |
| 105 | A microbial perspective of human developmental biology. <i>Nature</i> , 2016, 535, 48-55. | 13.7 | 215 |
| 106 | Salmonella Degrades the Host Glycocalyx Leading to Altered Infection and Glycan Remodeling. <i>Scientific Reports</i> , 2016, 6, 29525. | 1.6 | 66 |
| 107 | Depletion of Butyrate-Producing Clostridia from the Gut Microbiota Drives an Aerobic Luminal Expansion of Salmonella. <i>Cell Host and Microbe</i> , 2016, 19, 443-454. | 5.1 | 600 |
| 108 | Changes in cellular glycosylation of leukemia cells upon treatment with acridone derivatives yield insight into drug action. <i>Proteomics</i> , 2016, 16, 2977-2988. | 1.3 | 8 |

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|-----|---|------|-----------|
| 109 | Dietary supplementation with <i>Bifidobacterium longum</i> subsp. <i>infantis</i> (<i>B. infantis</i>) in healthy breastfed infants: study protocol for a randomised controlled trial. <i>Trials</i> , 2016, 17, 340. | 0.7 | 7 |
| 110 | Glycoproteomic Analysis of Malignant Ovarian Cancer Ascites Fluid Identifies Unusual Glycopeptides. <i>Journal of Proteome Research</i> , 2016, 15, 3358-3376. | 1.8 | 28 |
| 111 | Identification of Oligosaccharides in Feces of Breast-fed Infants and Their Correlation with the Gut Microbial Community. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2987-3002. | 2.5 | 77 |
| 112 | <i>Salmonella</i> Typhimurium Enzymatically Landscapes the Host Intestinal Epithelial Cell (IEC) Surface Glycome to Increase Invasion. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3653-3664. | 2.5 | 38 |
| 113 | Quantitation of Site-Specific Glycosylation in Manufactured Recombinant Monoclonal Antibody Drugs. <i>Analytical Chemistry</i> , 2016, 88, 7091-7100. | 3.2 | 29 |
| 114 | Serum Glycans as Risk Markers for Non-Small Cell Lung Cancer. <i>Cancer Prevention Research</i> , 2016, 9, 317-323. | 0.7 | 15 |
| 115 | Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016, 164, 859-871. | 13.5 | 497 |
| 116 | Protein-Specific Differential Glycosylation of Immunoglobulins in Serum of Ovarian Cancer Patients. <i>Journal of Proteome Research</i> , 2016, 15, 1002-1010. | 1.8 | 87 |
| 117 | The impact of freeze-drying infant fecal samples on measures of their bacterial community profiles and milk-derived oligosaccharide content. <i>PeerJ</i> , 2016, 4, e1612. | 0.9 | 13 |
| 118 | Maternal fucosyltransferase 2 status affects the gut bifidobacterial communities of breastfed infants. <i>Microbiome</i> , 2015, 3, 13. | 4.9 | 319 |
| 119 | A Method for Comprehensive Glycosite-Mapping and Direct Quantitation of Serum Glycoproteins. <i>Journal of Proteome Research</i> , 2015, 14, 5179-5192. | 1.8 | 66 |
| 120 | Site-Specific Glycosylation of Secretory Immunoglobulin A from Human Colostrum. <i>Journal of Proteome Research</i> , 2015, 14, 1335-1349. | 1.8 | 62 |
| 121 | The serum immunoglobulin G glycosylation signature of gastric cancer. <i>EuPA Open Proteomics</i> , 2015, 6, 1-9. | 2.5 | 45 |
| 122 | Glycans in the immune system and The Altered Glycan Theory of Autoimmunity: A critical review. <i>Journal of Autoimmunity</i> , 2015, 57, 1-13. | 3.0 | 370 |
| 123 | A Method for In-Depth Structural Annotation of Human Serum Glycans That Yields Biological Variations. <i>Analytical Chemistry</i> , 2015, 87, 7754-7762. | 3.2 | 65 |
| 124 | Peptidomic analysis of healthy and subclinically mastitic bovine milk. <i>International Dairy Journal</i> , 2015, 46, 46-52. | 1.5 | 40 |
| 125 | Top-Down Analysis of Highly Post-Translationally Modified Peptides by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 453-459. | 1.2 | 15 |
| 126 | Characteristic Changes in Cell Surface Glycosylation Accompany Intestinal Epithelial Cell (IEC) Differentiation: High Mannose Structures Dominate the Cell Surface Glycome of Undifferentiated Enterocytes. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2910-2921. | 2.5 | 52 |

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|-----|---|-----|-----------|
| 127 | Human milk oligosaccharides in premature infants: absorption, excretion, and influence on the intestinal microbiota. <i>Pediatric Research</i> , 2015, 78, 670-677. | 1.1 | 155 |
| 128 | Differential N-Glycosylation Patterns in Lung Adenocarcinoma Tissue. <i>Journal of Proteome Research</i> , 2015, 14, 4538-4549. | 1.8 | 59 |
| 129 | Combined High-Density Lipoprotein Proteomic and Glycomic Profiles in Patients at Risk for Coronary Artery Disease. <i>Journal of Proteome Research</i> , 2015, 14, 5109-5118. | 1.8 | 32 |
| 130 | Applications of Multiple Reaction Monitoring to Clinical Glycomics. <i>Chromatographia</i> , 2015, 78, 335-342. | 0.7 | 28 |
| 131 | <i>Bifidobacterium longum</i> subspecies <i>infantis</i> : champion colonizer of the infant gut. <i>Pediatric Research</i> , 2015, 77, 229-235. | 1.1 | 297 |
| 132 | Novel High-Molecular Weight Fucosylated Milk Oligosaccharides Identified in Dairy Streams. <i>PLoS ONE</i> , 2014, 9, e96040. | 1.1 | 58 |
| 133 | Rapid-throughput glycomics applied to human milk oligosaccharide profiling for large human studies. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7925-7935. | 1.9 | 54 |
| 134 | Comprehensive peptidomic and glycomic evaluation reveals that sweet whey permeate from colostrum is a source of milk protein-derived peptides and oligosaccharides. <i>Food Research International</i> , 2014, 63, 203-209. | 2.9 | 46 |
| 135 | A Peptidomic Analysis of Human Milk Digestion in the Infant Stomach Reveals Protein-Specific Degradation Patterns. <i>Journal of Nutrition</i> , 2014, 144, 815-820. | 1.3 | 83 |
| 136 | Oligosaccharide Analysis by Mass Spectrometry: A Review of Recent Developments. <i>Analytical Chemistry</i> , 2014, 86, 196-212. | 3.2 | 311 |
| 137 | Breast Milk Oligosaccharides: Structure-Function Relationships in the Neonate. <i>Annual Review of Nutrition</i> , 2014, 34, 143-169. | 4.3 | 332 |
| 138 | Mechanistic Peptidomics: Factors That Dictate Specificity in the Formation of Endogenous Peptides in Human Milk. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3343-3351. | 2.5 | 67 |
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