

Anand S Mehta

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7107658/publications.pdf>

Version: 2024-02-01

87
papers

5,145
citations

101543

36
h-index

88630

70
g-index

90
all docs

90
docs citations

90
times ranked

4780
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Applications and continued evolution of glycan imaging mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2023, 42, 674-705. | 5.4 | 33 |
| 2 | Liver Cancer (Current Therapies). , 2022, , 112-125. | | 1 |
| 3 | Doylestown Plus and GALAD Demonstrate High Sensitivity for HCC Detection in Patients With Cirrhosis. <i>Clinical Gastroenterology and Hepatology</i> , 2022, 20, 953-955.e2. | 4.4 | 21 |
| 4 | GALAD demonstrates high sensitivity for HCC surveillance in a cohort of patients with cirrhosis. <i>Hepatology</i> , 2022, 75, 541-549. | 7.3 | 70 |
| 5 | Pro-inflammatory IgG1 N-glycan signature correlates with primary graft dysfunction onset in COPD patients. <i>Transplant Immunology</i> , 2022, 71, 101491. | 1.2 | 2 |
| 6 | Abstract P5-07-02: Potential differences in stromal patterns from breast cancer metastatic lymph between South Carolina sea islander black women and white women. <i>Cancer Research</i> , 2022, 82, P5-07-02-P5-07-02. | 0.9 | 0 |
| 7 | Imaging Mass Spectrometry Reveals Alterations in N-Linked Glycosylation That Are Associated With Histopathological Changes in Nonalcoholic Steatohepatitis in Mouse and Human. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100225. | 3.8 | 7 |
| 8 | MALDI imaging mass spectrometry mapping of the glycocalyx. <i>FASEB Journal</i> , 2022, 36, . | 0.5 | 0 |
| 9 | Novel Combined Enzymatic Approach to Analyze Nonsialylated N-Linked Glycans through MALDI Imaging Mass Spectrometry. <i>Journal of Proteome Research</i> , 2022, 21, 1930-1938. | 3.7 | 4 |
| 10 | Multiplexed imaging mass spectrometry of the extracellular matrix using serial enzyme digests from formalin-fixed paraffin-embedded tissue sections. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2709-2719. | 3.7 | 37 |
| 11 | Array-Based N-Glycan Profiling of Cells in Culture. <i>Methods in Molecular Biology</i> , 2021, 2271, 331-342. | 0.9 | 2 |
| 12 | Multiplexed Imaging Mass Spectrometry of Histological Staining, N-Glycan and Extracellular Matrix from One Tissue Section: A Tool for Fibrosis Research. <i>Methods in Molecular Biology</i> , 2021, 2350, 313-329. | 0.9 | 13 |
| 13 | Optimization of Multiple Glycosidase and Chemical Stabilization Strategies for N-Glycan Isomer Detection by Mass Spectrometry Imaging in Formalin-Fixed, Paraffin-Embedded Tissues. <i>Methods in Molecular Biology</i> , 2021, 2271, 303-316. | 0.9 | 3 |
| 14 | Imaging Mass Spectrometry and Lectin Analysis of N-Linked Glycans in Carbohydrate Antigen-Defined Pancreatic Cancer Tissues. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100012. | 3.8 | 57 |
| 15 | Spatial N-glycomics of the human aortic valve in development and pediatric endstage congenital aortic valve stenosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 154, 6-20. | 1.9 | 16 |
| 16 | Collagen fiber regulation in human pediatric aortic valve development and disease. <i>Scientific Reports</i> , 2021, 11, 9751. | 3.3 | 15 |
| 17 | Glycan Imaging Mass Spectrometry. <i>Clinics in Laboratory Medicine</i> , 2021, 41, 247-266. | 1.4 | 13 |
| 18 | Nuclear PFKP promotes CXCR4-dependent infiltration by T cell acute lymphoblastic leukemia. <i>Journal of Clinical Investigation</i> , 2021, 131, . | 8.2 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | N-Glycosylation Patterns Correlate with Hepatocellular Carcinoma Genetic Subtypes. <i>Molecular Cancer Research</i> , 2021, 19, 1868-1877. | 3.4 | 21 |
| 20 | Defining the Tumor Microenvironment by Integration of Immunohistochemistry and Extracellular Matrix Targeted Imaging Mass Spectrometry. <i>Cancers</i> , 2021, 13, 4419. | 3.7 | 14 |
| 21 | Evaluation of Therapeutic Collagen-Based Biomaterials in the Infarcted Mouse Heart by Extracellular Matrix Targeted MALDI Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2746-2754. | 2.8 | 8 |
| 22 | Defining the human kidney N-glycome in normal and cancer tissues using MALDI imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4490. | 1.6 | 40 |
| 23 | Rapid N-Glycan Profiling of Serum and Plasma by a Novel Slide-Based Imaging Mass Spectrometry Workflow. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2511-2520. | 2.8 | 28 |
| 24 | NF- κ B Signaling Is Regulated by Fucosylation in Metastatic Breast Cancer Cells. <i>Biomedicines</i> , 2020, 8, 600. | 3.2 | 4 |
| 25 | New Enzymatic Approach to Distinguish Fucosylation Isomers of N-Linked Glycans in Tissues Using MALDI Imaging Mass Spectrometry. <i>Journal of Proteome Research</i> , 2020, 19, 2989-2996. | 3.7 | 33 |
| 26 | Biomarkers for the Early Detection of Hepatocellular Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 2495-2503. | 2.5 | 67 |
| 27 | Simple and Rapid Slide-based Mass Spectrometry Workflows Applied to N-glycan Analysis of Cells, Biofluids and Antibody Arrays. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 0 |
| 28 | Analysis of Hepatocellular Carcinoma Tissue for Biomarker Discovery. <i>Molecular and Translational Medicine</i> , 2019, , 93-107. | 0.4 | 6 |
| 29 | Antibody Panel Based N-glycan Imaging for N-glycoprotein Biomarker Discovery. <i>Current Protocols in Protein Science</i> , 2019, 98, e99. | 2.8 | 17 |
| 30 | A Rapid Array-Based Approach to N-glycan Profiling of Cultured Cells. <i>Journal of Proteome Research</i> , 2019, 18, 3630-3639. | 3.7 | 18 |
| 31 | A Novel Mass Spectrometry Platform for Multiplexed N-Glycoprotein Biomarker Discovery from Patient Biofluids by Antibody Panel Based N-Glycan Imaging. <i>Analytical Chemistry</i> , 2019, 91, 8429-8435. | 6.5 | 38 |
| 32 | Core-Fucosylated Tetra-Antennary N-Glycan Containing A Single N-Acetylglucosamine Branch Is Associated with Poor Survival Outcome in Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2528. | 4.1 | 32 |
| 33 | Increases in Tumor N-glycan Polyglucosamines Associated with Advanced HER2-Positive and Triple-Negative Breast Cancer Tissues. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800014. | 1.6 | 50 |
| 34 | Extracellular Matrix Imaging of Breast Tissue Pathologies by MALDI-Imaging Mass Spectrometry. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1700152. | 1.6 | 44 |
| 35 | Specific N-linked glycosylation patterns in areas of necrosis in tumor tissues. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 69-76. | 1.5 | 28 |
| 36 | Expression of genes that control core fucosylation in hepatocellular carcinoma: Systematic review. <i>World Journal of Gastroenterology</i> , 2019, 25, 2947-2960. | 3.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Enhancing the antiviral potency of ER α -glucosidase inhibitor IHVR-19029 against hemorrhagic fever viruses in vitro and in vivo. <i>Antiviral Research</i> , 2018, 150, 112-122. | 4.1 | 26 |
| 38 | Calcium Phosphate Particles as Pulmonary Delivery System for Interferon- β in Mice. <i>AAPS PharmSciTech</i> , 2018, 19, 395-412. | 3.3 | 14 |
| 39 | A research agenda for curing chronic hepatitis B virus infection. <i>Hepatology</i> , 2018, 67, 1127-1131. | 7.3 | 70 |
| 40 | Mapping Extracellular Matrix Proteins in Formalin-Fixed, Paraffin-Embedded Tissues by MALDI Imaging Mass Spectrometry. <i>Journal of Proteome Research</i> , 2018, 17, 635-646. | 3.7 | 70 |
| 41 | MALDI Mass Spectrometry Imaging of N-Linked Glycans in Tissues. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1104, 59-76. | 1.6 | 38 |
| 42 | Application of the Doylestown algorithm for the early detection of hepatocellular carcinoma. <i>PLoS ONE</i> , 2018, 13, e0203149. | 2.5 | 10 |
| 43 | The search for biomarkers of hepatocellular carcinoma and the impact on patient outcome. <i>Current Opinion in Pharmacology</i> , 2018, 41, 74-78. | 3.5 | 14 |
| 44 | In Situ Imaging of N-Glycans by MALDI Imaging Mass Spectrometry of Fresh or Formalin-Fixed Paraffin-Embedded Tissue. <i>Current Protocols in Protein Science</i> , 2018, 94, e68. | 2.8 | 69 |
| 45 | Biomarker analysis of fucosylated kininogen through depletion of lectin reactive heterophilic antibodies in hepatocellular carcinoma. <i>Journal of Immunological Methods</i> , 2018, 462, 59-64. | 1.4 | 10 |
| 46 | N-Linked Glycan Branching and Fucosylation Are Increased Directly in Hcc Tissue As Determined through in Situ Glycan Imaging. <i>Journal of Proteome Research</i> , 2018, 17, 3454-3462. | 3.7 | 58 |
| 47 | Changes in the Glycosylation of Kininogen and the Development of a Kininogen-Based Algorithm for the Early Detection of HCC. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 795-803. | 2.5 | 48 |
| 48 | Identification of fucosylated Fetuin-A as a potential biomarker for cholangiocarcinoma. <i>Proteomics - Clinical Applications</i> , 2017, 11, 1600141. | 1.6 | 18 |
| 49 | MALDI Imaging Mass Spectrometry of N-glycans and Tryptic Peptides from the Same Formalin-Fixed, Paraffin-Embedded Tissue Section. <i>Methods in Molecular Biology</i> , 2017, 1788, 225-241. | 0.9 | 50 |
| 50 | Multimodal Mass Spectrometry Imaging of N-Glycans and Proteins from the Same Tissue Section. <i>Analytical Chemistry</i> , 2016, 88, 7745-7753. | 6.5 | 86 |
| 51 | Intrinsic hepatocyte dedifferentiation is accompanied by upregulation of mesenchymal markers, protein sialylation and core alpha 1,6 linked fucosylation. <i>Scientific Reports</i> , 2016, 6, 27965. | 3.3 | 30 |
| 52 | Identification of IgM as a contaminant in lectin-FLISA assays for HCC detection. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 140-145. | 2.1 | 6 |
| 53 | Linkage-Specific in Situ Sialic Acid Derivatization for N-Glycan Mass Spectrometry Imaging of Formalin-Fixed Paraffin-Embedded Tissues. <i>Analytical Chemistry</i> , 2016, 88, 5904-5913. | 6.5 | 158 |
| 54 | Development and application of a novel recombinant <i>Aleuria aurantia</i> lectin with enhanced core fucose binding for identification of glycoprotein biomarkers of hepatocellular carcinoma. <i>Proteomics</i> , 2016, 16, 3126-3136. | 2.2 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Inside Front Cover: Development and application of a novel recombinant <i>Aleuria aurantia</i> lectin with enhanced core fucose binding for identification of glycoprotein biomarkers of hepatocellular carcinoma. <i>Proteomics</i> , 2016, 16, NA-NA. | 2.2 | 1 |
| 56 | The Doylestown Algorithm: A Test to Improve the Performance of AFP in the Detection of Hepatocellular Carcinoma. <i>Cancer Prevention Research</i> , 2016, 9, 172-179. | 1.5 | 48 |
| 57 | Two-Dimensional N-Glycan Distribution Mapping of Hepatocellular Carcinoma Tissues by MALDI-Imaging Mass Spectrometry. <i>Biomolecules</i> , 2015, 5, 2554-2572. | 4.0 | 99 |
| 58 | Host Erythrocyte Environment Influences the Localization of Exported Protein 2, an Essential Component of the Plasmodium Translocon. <i>Eukaryotic Cell</i> , 2015, 14, 371-384. | 3.4 | 18 |
| 59 | Inhibition of Endoplasmic Reticulum-Resident Glucosidases Impairs Severe Acute Respiratory Syndrome Coronavirus and Human Coronavirus NL63 Spike Protein-Mediated Entry by Altering the Glycan Processing of Angiotensin I-Converting Enzyme 2. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 206-216. | 3.2 | 63 |
| 60 | Glycosylation and Liver Cancer. <i>Advances in Cancer Research</i> , 2015, 126, 257-279. | 5.0 | 128 |
| 61 | Upregulation of Glycans Containing 3- α -Fucose in a Subset of Pancreatic Cancers Uncovered Using Fusion-Tagged Lectins. <i>Journal of Proteome Research</i> , 2015, 14, 2594-2605. | 3.7 | 24 |
| 62 | MALDI Imaging Mass Spectrometry Profiling of N-Glycans in Formalin-Fixed Paraffin Embedded Clinical Tissue Blocks and Tissue Microarrays. <i>PLoS ONE</i> , 2014, 9, e106255. | 2.5 | 198 |
| 63 | Total serum glycan analysis is superior to lectin-FLISA for the early detection of hepatocellular carcinoma. <i>Proteomics - Clinical Applications</i> , 2013, 7, 690-700. | 1.6 | 30 |
| 64 | Increased bisecting <i>N</i> -acetylglucosamine and decreased branched chain glycans of <i>N</i> -linked glycoproteins in expressed prostatic secretions associated with prostate cancer progression. <i>Proteomics - Clinical Applications</i> , 2013, 7, 677-689. | 1.6 | 65 |
| 65 | Matrix Assisted Laser Desorption Ionization Imaging Mass Spectrometry Workflow for Spatial Profiling Analysis of N-Linked Glycan Expression in Tissues. <i>Analytical Chemistry</i> , 2013, 85, 9799-9806. | 6.5 | 148 |
| 66 | A comparison of statistical methods for the detection of hepatocellular carcinoma based on serum biomarkers and clinical variables. <i>BMC Medical Genomics</i> , 2013, 6, S9. | 1.5 | 20 |
| 67 | Altered Functionality of Anti-Bacterial Antibodies in Patients with Chronic Hepatitis C Virus Infection. <i>PLoS ONE</i> , 2013, 8, e64992. | 2.5 | 22 |
| 68 | Increased Levels of Tetra-antennary <i>N</i> -Linked Glycan but Not Core Fucosylation Are Associated with Hepatocellular Carcinoma Tissue. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2012, 21, 925-933. | 2.5 | 64 |
| 69 | Development of recombinant <i>Aleuria aurantia</i> lectins with altered binding specificities to fucosylated glycans. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 84-89. | 2.1 | 39 |
| 70 | Novel Changes in Glycosylation of Serum Apo-J in Patients with Hepatocellular Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 1222-1229. | 2.5 | 36 |
| 71 | Analysis of GP73 in patients with HCC as a function of anti-cancer treatment. <i>Cancer Biomarkers</i> , 2011, 7, 269-273. | 1.7 | 16 |
| 72 | Linkage Specific Fucosylation of Alpha-1-Antitrypsin in Liver Cirrhosis and Cancer Patients: Implications for a Biomarker of Hepatocellular Carcinoma. <i>PLoS ONE</i> , 2010, 5, e12419. | 2.5 | 114 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Novel Fucosylated Biomarkers for the Early Detection of Hepatocellular Carcinoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 1914-1921. | 2.5 | 136 |
| 74 | Identification and Development of Fucosylated Glycoproteins as Biomarkers of Primary Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2009, 8, 595-602. | 3.7 | 139 |
| 75 | N-linked glycosylation of the liver cancer biomarker GP73. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 136-149. | 2.6 | 83 |
| 76 | Human Immunodeficiency Virus-Related Microbial Translocation and Progression of Hepatitis C. <i>Gastroenterology</i> , 2008, 135, 226-233. | 1.3 | 251 |
| 77 | Increased Levels of Galactose-Deficient Anti-Gal Immunoglobulin G in the Sera of Hepatitis C Virus-Infected Individuals with Fibrosis and Cirrhosis. <i>Journal of Virology</i> , 2008, 82, 1259-1270. | 3.4 | 110 |
| 78 | Fucosylated Glycoproteins as Markers of Liver Disease. <i>Disease Markers</i> , 2008, 25, 259-265. | 1.3 | 61 |
| 79 | Lectin Capture Strategies Combined with Mass Spectrometry for the Discovery of Serum Glycoprotein Biomarkers. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1957-1967. | 3.8 | 196 |
| 80 | Proteomic Analysis of Serum Associated Fucosylated Glycoproteins in the Development of Primary Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2006, 5, 308-315. | 3.7 | 196 |
| 81 | Glycosylation and hepatocellular carcinoma. , 2006, , . | | 0 |
| 82 | Use of targeted glycoproteomics to identify serum glycoproteins that correlate with liver cancer in woodchucks and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 779-784. | 7.1 | 357 |
| 83 | GP73, a resident Golgi glycoprotein, is a novel serum marker for hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2005, 43, 1007-1012. | 3.7 | 321 |
| 84 | Comparative proteomic analysis of de-N-glycosylated serum from hepatitis B carriers reveals polypeptides that correlate with disease status. <i>Proteomics</i> , 2004, 4, 826-838. | 2.2 | 56 |
| 85 | Molecular viral oncology of hepatocellular carcinoma. <i>Oncogene</i> , 2003, 22, 5093-5107. | 5.9 | 463 |
| 86 | Glycoproteins: Rapid Sequencing Technology for N-linked and GPI Anchor Glycans. <i>Biotechnology and Genetic Engineering Reviews</i> , 1999, 16, 1-22. | 6.2 | 23 |
| 87 | Metabolic Links to Socioeconomic Stresses Uniquely Affecting Ancestry in Normal Breast Tissue at Risk for Breast Cancer. <i>Frontiers in Oncology</i> , 0, 12, . | 2.8 | 3 |