

# Morten Thaysen-Andersen

## List of Publications by Year in descending order

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92  
papers

4,487  
citations

87888

38  
h-index

123424

61  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utilizing Ion-Pairing Hydrophilic Interaction Chromatography Solid Phase Extraction for Efficient Glycopeptide Enrichment in Glycoproteomics. <i>Analytical Chemistry</i> , 2010, 82, 5598-5609.	6.5	264
2	Advances in LC-MS/MS-based glycoproteomics: Getting closer to system-wide site-specific mapping of the N- and O-glycoproteome. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1437-1452.	2.3	183
3	Maturing Glycoproteomics Technologies Provide Unique Structural Insights into the N-glycoproteome and Its Regulation in Health and Disease. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1773-1790.	3.8	166
4	2D gels still have a niche in proteomics. <i>Journal of Proteomics</i> , 2013, 88, 4-13.	2.4	154
5	Site-Specific Glycan-Peptide Analysis for Determination of N-Glycoproteome Heterogeneity. <i>Journal of Proteome Research</i> , 2013, 12, 5791-5800.	3.7	153
6	Site-specific glycoproteomics confirms that protein structure dictates formation of N-glycan type, core fucosylation and branching. <i>Glycobiology</i> , 2012, 22, 1440-1452.	2.5	136
7	Quantitative mapping of glycoprotein microheterogeneity and macroheterogeneity: an evaluation of mass spectrometry signal strengths using synthetic peptides and glycopeptides. <i>Journal of Mass Spectrometry</i> , 2013, 48, 627-639.	1.6	130
8	Total Synthesis of Homogeneous Antifreeze Glycopeptides and Glycoproteins. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3606-3610.	13.8	106
9	Toward Automated N-Glycopeptide Identification in Glycoproteomics. <i>Journal of Proteome Research</i> , 2016, 15, 3904-3915.	3.7	105
10	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.	3.8	103
11	Site-Specific Glycoprofiling of N-Linked Glycopeptides Using MALDI-TOF MS: Strong Correlation between Signal Strength and Glycoform Quantities. <i>Analytical Chemistry</i> , 2009, 81, 3933-3943.	6.5	100
12	Comparative N-Glycan Profiling of Colorectal Cancer Cell Lines Reveals Unique Bisecting GlcNAc and $\pm$ -2,3-Linked Sialic Acid Determinants Are Associated with Membrane Proteins of the More Metastatic/Aggressive Cell Lines. <i>Journal of Proteome Research</i> , 2014, 13, 277-288.	3.7	97
13	Comparative structural analysis of the glycosylation of salivary and buccal cell proteins: innate protection against infection by <i>Candida albicans</i> . <i>Glycobiology</i> , 2012, 22, 1465-1479.	2.5	93
14	Investigation of the detoxification mechanism of formaldehyde-treated tetanus toxin. <i>Vaccine</i> , 2007, 25, 2213-2227.	3.8	92
15	Human Neutrophils Secrete Bioactive Paucimannosidic Proteins from Azurophilic Granules into Pathogen-Infected Sputum. <i>Journal of Biological Chemistry</i> , 2015, 290, 8789-8802.	3.4	90
16	Discrimination of Isomers of Released N- and O-Glycans Using Diagnostic Product Ions in Negative Ion PGC-LC-ESI-MS/MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1194-1209.	2.8	84
17	Structural analysis of glycoprotein sialylation – part II: LC-MS based detection. <i>RSC Advances</i> , 2013, 3, 22706.	3.6	81
18	Terminal Galactosylation and Sialylation Switching on Membrane Glycoproteins upon TNF-Alpha-Induced Insulin Resistance in Adipocytes. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 141-153.	3.8	80

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19	In-depth N-glycome profiling of paired colorectal cancer and non-tumorigenic tissues reveals cancer-, stage- and EGFR-specific protein N-glycosylation. <i>Glycobiology</i> , 2015, 25, 1064-1078.	2.5	74
20	Emerging roles of protein mannosylation in inflammation and infection. <i>Molecular Aspects of Medicine</i> , 2016, 51, 31-55.	6.4	74
21	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
22	N-Glycans Modulate the Function of Human Corticosteroid-Binding Globulin. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.009100.	3.8	65
23	Mapping the SARS-CoV-2 spike glycoprotein-derived peptidome presented by HLA class II on dendritic cells. <i>Cell Reports</i> , 2021, 35, 109179.	6.4	63
24	Glycoproteomics. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	61
25	Towards structure-focused glycoproteomics. <i>Biochemical Society Transactions</i> , 2021, 49, 161-186.	3.4	60
26	Paucimannose-Rich N-glycosylation of Spatiotemporally Regulated Human Neutrophil Elastase Modulates Its Immune Functions*. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1507-1527.	3.8	57
27	Rapid and Individual-specific Glycoprofiling of the Low Abundance N-Glycosylated Protein Tissue Inhibitor of Metalloproteinases-1. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 638-647.	3.8	52
28	Comprehensive glycoprofiling of the epimastigote and trypomastigote stages of <i>Trypanosoma cruzi</i> . <i>Journal of Proteomics</i> , 2017, 151, 182-192.	2.4	52
29	Protein Paucimannosylation Is an Enriched N-Glycosylation Signature of Human Cancers. <i>Proteomics</i> , 2019, 19, e1900010.	2.2	52
30	Differential Site Accessibility Mechanistically Explains Subcellular-Specific N-Glycosylation Determinants. <i>Frontiers in Immunology</i> , 2014, 5, 404.	4.8	50
31	Simple Capillary Electrophoresis-Mass Spectrometry Method for Complex Glycan Analysis Using a Flow-Through Microvial Interface. <i>Analytical Chemistry</i> , 2014, 86, 6479-6486.	6.5	50
32	Complementary LC-MS/MS-Based N-Glycan, N-Glycopeptide, and Intact N-Glycoprotein Profiling Reveals Unconventional Asn71-Glycosylation of Human Neutrophil Cathepsin G. <i>Biomolecules</i> , 2015, 5, 1832-1854.	4.0	49
33	Comparative Proteomics and Glycoproteomics Reveal Increased N-Linked Glycosylation and Relaxed Sequon Specificity in <i>Campylobacter jejuni</i> NCTC11168 O. <i>Journal of Proteome Research</i> , 2014, 13, 5136-5150.	3.7	48
34	Structural analysis of glycoprotein sialylation - Part I: pre-LC-MS analytical strategies. <i>RSC Advances</i> , 2013, 3, 22683.	3.6	46
35	Host mucin glycosylation plays a role in bacterial adhesion in lungs of individuals with cystic fibrosis. <i>Expert Review of Respiratory Medicine</i> , 2013, 7, 553-576.	2.5	44
36	Synthesis and immunological evaluation of self-adjuvanting MUC1-macrophage activating lipopeptide 2 conjugate vaccine candidates. <i>Chemical Communications</i> , 2014, 50, 10273-10276.	4.1	44

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37	Relative versus absolute quantitation in disease glycomics. <i>Proteomics - Clinical Applications</i> , 2015, 9, 368-382.	1.6	43
38	Post-Column Make-Up Flow (PCMF) Enhances the Performance of Capillary-Flow PGC-LC-MS/MS-Based Glycomics. <i>Analytical Chemistry</i> , 2019, 91, 4559-4567.	6.5	42
39	Site-specific characterisation of densely <i>O</i> -glycosylated mucin-type peptides using electron transfer dissociation ESI-MS/MS. <i>Electrophoresis</i> , 2011, 32, 3536-3545.	2.4	41
40	Comprehensive N-Glycome Profiling of Cultured Human Epithelial Breast Cells Identifies Unique Secretome N-Glycosylation Signatures Enabling Tumorigenic Subtype Classification. <i>Journal of Proteome Research</i> , 2014, 13, 4783-4795.	3.7	39
41	Human protein paucimannosylation: cues from the eukaryotic kingdoms. <i>Biological Reviews</i> , 2019, 94, 2068-2100.	10.4	39
42	The Complexity and Dynamics of the Tissue Glycoproteome Associated With Prostate Cancer Progression. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100026.	3.8	39
43	Cystic fibrosis and bacterial colonization define the sputum N-glycosylation phenotype. <i>Glycobiology</i> , 2015, 25, 88-100.	2.5	38
44	Site-Specific <i>N</i> -Glycosylation of Recombinant Pentameric and Hexameric Human IgM. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1143-1155.	2.8	38
45	The Function of the Human Interferon- $\gamma$ 1a Glycan Determined in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 338-347.	2.5	37
46	<i>Mycobacterium tuberculosis</i> Infection Manipulates the Glycosylation Machinery and the <i>N</i> -Glycoproteome of Human Macrophages and Their Microparticles. <i>Journal of Proteome Research</i> , 2017, 16, 247-263.	3.7	36
47	Modification of Asparagine-Linked Glycan Density for the Design of Hepatitis B Virus Virus-Like Particles with Enhanced Immunogenicity. <i>Journal of Virology</i> , 2015, 89, 11312-11322.	3.4	35
48	Quantitative proteomic analysis of paired colorectal cancer and non-tumorigenic tissues reveals signature proteins and perturbed pathways involved in CRC progression and metastasis. <i>Journal of Proteomics</i> , 2015, 126, 54-67.	2.4	34
49	A Novel Post-translational Modification in Nerve Terminals: O-Linked <i>N</i> -Acetylglucosamine Phosphorylation. <i>Journal of Proteome Research</i> , 2011, 10, 2725-2733.	3.7	33
50	Micro- and macroheterogeneity of <i>N</i> -glycosylation yields size and charge isoforms of human sex hormone binding globulin circulating in serum. <i>Proteomics</i> , 2012, 12, 3315-3327.	2.2	33
51	Distinct urinary glycoprotein signatures in prostate cancer patients. <i>Oncotarget</i> , 2018, 9, 33077-33097.	1.8	33
52	Integrated Glycoproteomics Identifies a Role of N-Glycosylation and Galectin-1 on Myogenesis and Muscle Development. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100030.	3.8	31
53	Hyper-truncated Asn355- and Asn391-glycans modulate the activity of neutrophil granule myeloperoxidase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100144.	3.4	31
54	Investigating the biomarker potential of glycoproteins using comparative glycoprofiling – application to tissue inhibitor of metalloproteinases-1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 455-463.	2.3	30

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55	Recombinant human heterodimeric IL-15 complex displays extensive and reproducible N- and O-linked glycosylation. <i>Glycoconjugate Journal</i> , 2016, 33, 417-433.	2.7	28
56	Combined N-Glycome and N-Glycoproteome Analysis of the <i>Lotus japonicus</i> Seed Globulin Fraction Shows Conservation of Protein Structure and Glycosylation in Legumes. <i>Journal of Proteome Research</i> , 2013, 12, 3383-3392.	3.7	27
57	Asn347 Glycosylation of Corticosteroid-binding Globulin Fine-tunes the Host Immune Response by Modulating Proteolysis by <i>Pseudomonas aeruginosa</i> and Neutrophil Elastase. <i>Journal of Biological Chemistry</i> , 2016, 291, 17727-17742.	3.4	27
58	Tissue Proteome Signatures Associated with Five Grades of Prostate Cancer and Benign Prostatic Hyperplasia. <i>Proteomics</i> , 2019, 19, e1900174.	2.2	27
59	Paucimannosidic glycoepitopes are functionally involved in proliferation of neural progenitor cells in the subventricular zone. <i>Glycobiology</i> , 2015, 25, 869-880.	2.5	26
60	High-resolution longitudinal N- and O-glycoprofiling of human monocyte-to-macrophage transition. <i>Glycobiology</i> , 2020, 30, 679-694.	2.5	26
61	Structural and functional diversity of neutrophil glycosylation in innate immunity and related disorders. <i>Molecular Aspects of Medicine</i> , 2021, 79, 100882.	6.4	26
62	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. <i>Glycoconjugate Journal</i> , 2016, 33, 405-415.	2.7	25
63	N-glycan maturation mutants in <i>Lotus japonicus</i> for basic and applied glycoprotein research. <i>Plant Journal</i> , 2017, 91, 394-407.	5.7	25
64	The Hitchhiker's guide to glycoproteomics. <i>Biochemical Society Transactions</i> , 2021, 49, 1643-1662.	3.4	25
65	Characterization of sialylated and fucosylated glycopeptides of Î²2-microglobulin by a combination of HILIC LC and MALDI MS/MS. <i>Journal of Separation Science</i> , 2010, 33, 891-902.	2.5	23
66	Glycoengineered hepatitis B virus-like particles with enhanced immunogenicity. <i>Vaccine</i> , 2020, 38, 3892-3901.	3.8	23
67	Glycan analysis of human neutrophil granules implicates a maturation-dependent glycosylation machinery. <i>Journal of Biological Chemistry</i> , 2020, 295, 12648-12660.	3.4	22
68	N-glycosylation of human sphingomyelin phosphodiesterase acid-like 3A (SMPDL3A) is essential for stability, secretion and activity. <i>Biochemical Journal</i> , 2017, 474, 1071-1092.	3.7	20
69	Glycomics & Glycoproteomics: From Analytics to Function. <i>Molecular Omics</i> , 2021, 17, 8-10.	2.8	19
70	Human macrophage cathepsin S-mediated C-terminal cleavage of apolipoprotein A-II at Ser <sup>228</sup> severely impairs antiatherogenic capacity. <i>FASEB Journal</i> , 2016, 30, 4239-4255.	0.5	17
71	Trends in oligomannosylation and Î±1,2-mannosidase expression in human cancers. <i>Oncotarget</i> , 2021, 12, 2188-2205.	1.8	17
72	Determination of protein conformation by isotopically labelled cross-linking and dedicated software: Application to the chaperone, calreticulin. <i>International Journal of Mass Spectrometry</i> , 2007, 268, 217-226.	1.5	16

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73	<i>FUT1</i> genetic variants impact protein glycosylation of porcine intestinal mucosa. <i>Glycobiology</i> , 2016, 26, 607-622.	2.5	15
74	<i>N</i> -acetyl- $\beta$ -D-hexosaminidases mediate the generation of paucimannosidic proteins via a putative noncanonical truncation pathway in human neutrophils. <i>Glycobiology</i> , 2022, 32, 218-229.	2.5	15
75	Specific Sialoforms Required for the Immune Suppressive Activity of Human Soluble CD52. <i>Frontiers in Immunology</i> , 2019, 10, 1967.	4.8	14
76	Structural basis for the recognition of nectin-like protein-5 by the human-activating immune receptor, DNAM-1. <i>Journal of Biological Chemistry</i> , 2019, 294, 12534-12546.	3.4	13
77	Serum N-Glycomics Stratifies Bacteremic Patients Infected with Different Pathogens. <i>Journal of Clinical Medicine</i> , 2021, 10, 516.	2.4	12
78	Paucimannosidic glycopeptides inhibit tumorigenic processes in glioblastoma multiforme. <i>Oncotarget</i> , 2019, 10, 4449-4465.	1.8	11
79	Interaction of the Chaperone Calreticulin with Proteins and Peptides of Different Structural Classes. <i>Protein and Peptide Letters</i> , 2009, 16, 1414-1423.	0.9	9
80	Biochemical characterization of bovine plasma thrombin-activatable fibrinolysis inhibitor (TAFI).. <i>BMC Biochemistry</i> , 2009, 10, 13.	4.4	8
81	Synthesis of homogeneous MUC1 oligomers via a bi-directional ligation strategy. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6090.	2.8	8
82	Purification and characterization of bioactive his6-tagged recombinant human tissue inhibitor of metalloproteinases-1 (TIMP-1) protein expressed at high yields in mammalian cells. <i>Protein Expression and Purification</i> , 2014, 101, 157-164.	1.3	8
83	The interactions of calreticulin with immunoglobulin G and immunoglobulin Y. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 889-899.	2.3	7
84	A Defined $\alpha$ -Helix in the Bifunctional <i>O</i> -Glycosylated Natriuretic Peptide TcNP $\alpha$ from the Venom of <i>Tropidochis carinatus</i> . <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4828-4831.	13.8	7
85	Pyrexia and acidosis act independently of neutrophil elastase reactive center loop cleavage to effect cortisol release from corticosteroid-binding globulin. <i>Protein Science</i> , 2020, 29, 2495-2509.	7.6	7
86	A pain-causing and paralytic ant venom glycopeptide. <i>IScience</i> , 2021, 24, 103175.	4.1	7
87	Identifying sources and estimating glandular output of salivary TIMP-1. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2008, 68, 548-554.	1.2	6
88	Salivary tissue inhibitor of metalloproteinases-1 localization and glycosylation profile analysis. <i>Apmis</i> , 2011, 119, 741-749.	2.0	6
89	Analysis of Protein Glycosylation and Phosphorylation Using HILIC-MS. <i>Chromatographic Science</i> , 2011, , 551-576.	0.1	5
90	Macrophage-derived secretome is sufficient to confer olanzapine-mediated insulin resistance in human adipocytes. <i>Comprehensive Psychoneuroendocrinology</i> , 2021, 7, 100073.	1.7	4

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91	N-Glycosylation influences human corticosteroid-binding globulin measurements. <i>Endocrine Connections</i> , 2019, 8, 1136-1148.	1.9	4
92	Systems-wide analysis of glycoprotein conformational changes by limited deglycosylation assay. <i>Journal of Proteomics</i> , 2021, 248, 104355.	2.4	2