Henrik Clausen

List of Publications by Citations

182 papers	13,766 citations	62 h-index	114 g-index
192 ext. papers	15,719 ext. citations	9.6 avg, IF	6.24 L-index

#	Paper	IF	Citations
182	Molecular genetic basis of the histo-blood group ABO system. *Nature*, **1990**, 345, 229-33	50.4	920
181	Precision mapping of the human O-GalNAc glycoproteome through SimpleCell technology. *EMBO Journal*, **2013**, 32, 1478-88	13	862
180	Glycosyltransferase activity of Fringe modulates Notch-Delta interactions. *Nature*, **2000**, 406, 411-5	50.4	601
179	Control of mucin-type O-glycosylation: a classification of the polypeptide GalNAc-transferase gene family. *Glycobiology*, **2012**, 22, 736-56	5.8	529
178	ABH and related histo-blood group antigens; immunochemical differences in carrier isotypes and their distribution. *Vox Sanguinis*, **1989**, 56, 1-20	3.1	448
177	Engineered CAR T Cells Targeting the Cancer-Associated Tn-Glycoform of the Membrane Mucin MUC1 Control Adenocarcinoma. *Immunity*, **2016**, 44, 1444-54	32.3	338
176	Polypeptide GalNAc-transferase T3 and familial tumoral calcinosis. Secretion of fibroblast growth factor 23 requires O-glycosylation. *Journal of Biological Chemistry*, **2006**, 281, 18370-7	5.4	318
175	Mining the O-glycoproteome using zinc-finger nuclease-glycoengineered SimpleCell lines. *Nature Methods*, **2011**, 8, 977-82	21.6	275
174	Substrate specificities of three members of the human UDP-N-acetyl-alpha-D-galactosamine:Polypeptide N-acetylgalactosaminyltransferase family, GalNAc-T1, -T2, and -T3. *Journal of Biological Chemistry*, **1997**, 272, 23503-14	5.4	247
173	Mucin-type O-glycosylation and its potential use in drug and vaccine development. *Biochimica Et Biophysica Acta - General Subjects*, **2008**, 1780, 546-63	4	233
172	A family of UDP-GalNAc: polypeptide N-acetylgalactosaminyl-transferases control the initiation of mucin-type O-linked glycosylation. *Glycobiology*, **1996**, 6, 635-46	5.8	229
171	Chemoenzymatically synthesized multimeric Tn/STn MUC1 glycopeptides elicit cancer-specific anti-MUC1 antibody responses and override tolerance. *Glycobiology*, **2006**, 16, 96-107	5.8	204
170	Cancer biomarkers defined by autoantibody signatures to aberrant O-glycopeptide epitopes. *Cancer Research*, **2010**, 70, 1306-13	10.1	199
169	Bacterial glycosidases for the production of universal red blood cells. *Nature Biotechnology*, **2007**, 25, 454-64	44.5	199
168	Immature truncated O-glycophenotype of cancer directly induces oncogenic features. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4066-75	11.5	185
167	cDNA cloning and expression of a novel human UDP-N-acetyl-alpha-D-galactosamine. Polypeptide N-acetylgalactosaminyltransferase, GalNAc-t3. *Journal of Biological Chemistry*, **1996**, 271, 17006-12	5.4	176
166	Cloning of a human UDP-N-acetyl-alpha-D-Galactosamine:polypeptide N-acetylgalactosaminyltransferase that complements other GalNAc-transferases in complete O-glycosylation of the MUC1 tandem repeat. *Journal of Biological Chemistry*, **1998**, 273, 30472-81	5.4	174

165	Engineered CHO cells for production of diverse, homogeneous glycoproteins. *Nature Biotechnology* , **2015**, 33, 842-4	44.5	172
164	Location, location, location: new insights into O-GalNAc protein glycosylation. *Trends in Cell Biology*, **2011**, 21, 149-58	18.3	166
163	The ST6GalNAc-I sialyltransferase localizes throughout the Golgi and is responsible for the synthesis of the tumor-associated sialyl-Tn O-glycan in human breast cancer. *Journal of Biological Chemistry*, **2006**, 281, 3586-94	5.4	162
162	Role of the human ST6GalNAc-I and ST6GalNAc-II in the synthesis of the cancer-associated sialyl-Tn antigen. *Cancer Research*, **2004**, 64, 7050-7	10.1	159
161	Global view of human protein glycosylation pathways and functions. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 729-749	48.7	156
160	GlycoPEGylation of recombinant therapeutic proteins produced in Escherichia coli. *Glycobiology*, **2006**, 16, 833-43	5.8	155
159	Identification of a novel cancer-specific immunodominant glycopeptide epitope in the MUC1 tandem repeat. *Glycobiology*, **2007**, 17, 197-209	5.8	153
158	Cloning and characterization of a close homologue of human UDP-N-acetyl-alpha-D-galactosamine:Polypeptide N-acetylgalactosaminyltransferase-T3, designated GalNAc-T6. Evidence for genetic but not functional redundancy. *Journal of Biological*	5.4	149
157	Functional conservation of subfamilies of putative UDP-N-acetylgalactosamine:polypeptide N-acetylgalactosaminyltransferases in Drosophila, Caenorhabditis elegans, and mammals. One subfamily composed of l(2)35Aa is essential in Drosophila. *Journal of Biological Chemistry*, **2002**,	5.4	148
156	A family of human beta3-galactosyltransferases. Characterization of four members of a UDP-galactose:beta-N-acetyl-glucosamine/beta-nacetyl-galactosamine beta-1,3-galactosyltransferase family. *Journal of Biological Chemistry*, **1998**, 273, 12770-8	5.4	148
155	Immunohistochemical study of MUC5AC expression in human gastric carcinomas using a novel monoclonal antibody. *International Journal of Cancer*, **1997**, 74, 112-21	7.5	147
154	Site-specific protein O-glycosylation modulates proprotein processing - deciphering specific functions of the large polypeptide GalNAc-transferase gene family. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 2079-94	4	146
153	The relative activities of the C2GnT1 and ST3Gal-I glycosyltransferases determine O-glycan structure and expression of a tumor-associated epitope on MUC1. *Journal of Biological Chemistry*, **2001**, 276, 11007-15	5.4	142
152	The heterotaxy gene GALNT11 glycosylates Notch to orchestrate cilia type and laterality. *Nature*, **2013**, 504, 456-9	50.4	134
151	Initiation of GalNAc-type O-glycosylation in the endoplasmic reticulum promotes cancer cell invasiveness. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E3152-61	11.5	134
150	The lectin domain of UDP-N-acetyl-D-galactosamine: polypeptide N-acetylgalactosaminyltransferase-T4 directs its glycopeptide specificities. *Journal of Biological Chemistry*, **2000**, 275, 38197-205	5.4	128
149	Mining the O-mannose glycoproteome reveals cadherins as major O-mannosylated glycoproteins. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 21018-23	11.5	125
148	Aberrant expression of mucin core proteins and o-linked glycans associated with progression of pancreatic cancer. *Clinical Cancer Research*, **2013**, 19, 1981-93	12.9	125

147	Fast and sensitive detection of indels induced by precise gene targeting. *Nucleic Acids Research*, **2015**, 43, e59	20.1	115
146	Pilot study of a heptavalent vaccine-keyhole limpet hemocyanin conjugate plus QS21 in patients with epithelial ovarian, fallopian tube, or peritoneal cancer. *Clinical Cancer Research*, **2007**, 13, 4170-7	12.9	114
145	O-glycosylation modulates proprotein convertase activation of angiopoietin-like protein 3: possible role of polypeptide GalNAc-transferase-2 in regulation of concentrations of plasma lipids. *Journal of Biological Chemistry*, **2010**, 285, 36293-303	5.4	109
144	An Atlas of Human Glycosylation Pathways Enables Display of the Human Glycome by Gene Engineered Cells. *Molecular Cell*, **2019**, 75, 394-407.e5	17.6	108
143	Seromic profiling of colorectal cancer patients with novel glycopeptide microarray. *International Journal of Cancer*, **2011**, 128, 1860-71	7.5	108
142	Tumor-associated Tn-MUC1 glycoform is internalized through the macrophage galactose-type C-type lectin and delivered to the HLA class I and II compartments in dendritic cells. *Cancer Research*, **2007**, 67, 8358-67	10.1	104
141	A novel human UDP-N-acetyl-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase, GalNAc-T7, with specificity for partial GalNAc-glycosylated acceptor substrates. *FEBS Letters*, **1999**, 460, 226-30	3.8	103
140	Probing isoform-specific functions of polypeptide GalNAc-transferases using zinc finger nuclease glycoengineered SimpleCells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 9893-8	11.5	96
139	Molecular logic of neuronal self-recognition through protocadherin domain interactions. *Cell*, **2015**, 163, 629-42	56.2	94
138	Monoclonal antibodies directed to the blood group A associated structure, galactosyl-A: specificity and relation to the Thomsen-Friedenreich antigen. *Molecular Immunology*, **1988**, 25, 199-204	4.3	93
137	Advances in mass spectrometry driven O-glycoproteomics. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 33-42	4	92
136	Involvement of O-glycosylation defining oncofetal fibronectin in epithelial-mesenchymal transition process. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17690-5	11.5	91
135	Enhanced mass spectrometric mapping of the human GalNAc-type O-glycoproteome with SimpleCells. *Molecular and Cellular Proteomics*, **2013**, 12, 932-44	7.6	83
134	Deconstruction of O-glycosylation--GalNAc-T isoforms direct distinct subsets of the O-glycoproteome. *EMBO Reports*, **2015**, 16, 1713-22	6.5	80
133	A high-throughput O-glycopeptide discovery platform for seromic profiling. *Journal of Proteome Research*, **2010**, 9, 5250-61	5.6	80
132	A systematic study of site-specific GalNAc-type O-glycosylation modulating proprotein convertase processing. *Journal of Biological Chemistry*, **2011**, 286, 40122-32	5.4	80
131	The lectin domains of polypeptide GalNAc-transferases exhibit carbohydrate-binding specificity for GalNAc: lectin binding to GalNAc-glycopeptide substrates is required for high density GalNAc-O-glycosylation. *Glycobiology*, **2007**, 17, 374-87	5.8	79
130	Loss of Function of GALNT2 Lowers High-Density Lipoproteins in Humans, Nonhuman Primates, and Rodents. *Cell Metabolism*, **2016**, 24, 234-45	24.6	78

129	A systematic study of modulation of ADAM-mediated ectodomain shedding by site-specific O-glycosylation. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 14623-8	11.5	76
128	Probing the O-glycoproteome of gastric cancer cell lines for biomarker discovery. *Molecular and Cellular Proteomics*, **2015**, 14, 1616-29	7.6	73
127	Substrate-guided front-face reaction revealed by combined structural snapshots and metadynamics for the polypeptide N-acetylgalactosaminyltransferase 2. *Angewandte Chemie - International Edition*, **2014**, 53, 8206-10	16.4	73
126	Probing polypeptide GalNAc-transferase isoform substrate specificities by in vitro analysis. *Glycobiology*, **2015**, 25, 55-65	5.8	72
125	The GAGOme: a cell-based library of displayed glycosaminoglycans. *Nature Methods*, **2018**, 15, 881-888	21.6	72
124	Genome editing using FACS enrichment of nuclease-expressing cells and indel detection by amplicon analysis. *Nature Protocols*, **2017**, 12, 581-603	18.8	69
123	The GalNAc-type O-Glycoproteome of CHO cells characterized by the SimpleCell strategy. *Molecular and Cellular Proteomics*, **2014**, 13, 3224-35	7.6	64
122	Targeting of macrophage galactose-type C-type lectin (MGL) induces DC signaling and activation. *European Journal of Immunology*, **2012**, 42, 936-45	6.1	64
121	ST6GalNAc-I controls expression of sialyl-Tn antigen in gastrointestinal tissues. *Frontiers in Bioscience - Elite*, **2011**, 3, 1443-55	1.6	64
120	The origin and function of platelet glycosyltransferases. *Blood*, **2012**, 120, 626-35	2.2	62
119	Dynamic interplay between catalytic and lectin domains of GalNAc-transferases modulates protein O-glycosylation. *Nature Communications*, **2015**, 6, 6937	17.4	61
118	Mucin-type O-glycosylation is controlled by short- and long-range glycopeptide substrate recognition that varies among members of the polypeptide GalNAc transferase family. *Glycobiology* , **2016**, 26, 360-76	5.8	56
117	The lectin domain of the polypeptide GalNAc transferase family of glycosyltransferases (ppGalNAc Ts) acts as a switch directing glycopeptide substrate glycosylation in an N- or C-terminal direction, further controlling mucin type O-glycosylation. *Journal of Biological Chemistry*, **2013**, 288, 19900-14	5.4	56
116	Site-specific O-glycosylation on the MUC2 mucin protein inhibits cleavage by the Porphyromonas gingivalis secreted cysteine protease (RgpB). *Journal of Biological Chemistry*, **2013**, 288, 14636-14646	5.4	56
115	Development and characterization of an antibody directed to an alpha-N-acetyl-D-galactosamine glycosylated MUC2 peptide. *Glycoconjugate Journal*, **1998**, 15, 51-62	3	56
114	Fucosylation and protein glycosylation create functional receptors for cholera toxin. *ELife*, **2015**, 4, e09545	8.5	55
113	Simple mucin-type carbohydrates in oral stratified squamous and salivary gland epithelia. *Journal of Investigative Dermatology*, **1991**, 97, 713-21	4.3	55
112	Discovery of a nucleocytoplasmic O-mannose glycoproteome in yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 15648-53	11.5	52

111	Glyco-DIA: a method for quantitative O-glycoproteomics with in silico-boosted glycopeptide libraries. *Nature Methods*, **2019**, 16, 902-910	21.6	51
110	The epitope recognized by the unique anti-MUC1 monoclonal antibody MY.1E12 involves sialyl alpha 2-3galactosyl beta 1-3N-acetylgalactosaminide linked to a distinct threonine residue in the MUC1 tandem repeat. *Journal of Immunological Methods*, **2002**, 270, 199-209	2.5	51
109	Mass spectrometric determination of O-glycosylation sites using beta-elimination and partial acid hydrolysis. *Analytical Chemistry*, **2001**, 73, 1263-9	7.8	51
108	Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 11163-11168	11.5	50
107	SnapShot: O-Glycosylation Pathways across Kingdoms. *Cell*, **2018**, 172, 632-632.e2	56.2	48
106	Mucins and associated glycan signatures in colon adenoma-carcinoma sequence: Prospective pathological implication(s) for early diagnosis of colon cancer. *Cancer Letters*, **2016**, 374, 304-14	9.9	48
105	Conformational studies on the MUC1 tandem repeat glycopeptides: implication for the enzymatic O-glycosylation of the mucin protein core. *Glycobiology*, **2003**, 13, 929-39	5.8	48
104	Lectin domains of polypeptide GalNAc transferases exhibit glycopeptide binding specificity. *Journal of Biological Chemistry*, **2011**, 286, 32684-96	5.4	47
103	Mapping the O-Mannose Glycoproteome in Saccharomyces cerevisiae. *Molecular and Cellular Proteomics*, **2016**, 15, 1323-37	7.6	46
102	Precision genome editing: a small revolution for glycobiology. *Glycobiology*, **2014**, 24, 663-80	5.8	45
101	Detection of glyco-mucin profiles improves specificity of MUC16 and MUC1 biomarkers in ovarian serous tumours. *Molecular Oncology*, **2015**, 9, 503-12	7.9	45
100	Direct quality control of glycoengineered erythropoietin variants. *Nature Communications*, **2018**, 9, 3342	17.4	44
99	Aberrantly glycosylated MUC1 is expressed on the surface of breast cancer cells and a target for antibody-dependent cell-mediated cytotoxicity. *Glycoconjugate Journal*, **2013**, 30, 227-36	3	44
98	NleB/SseK effectors from , , and display distinct differences in host substrate specificity. *Journal of Biological Chemistry*, **2017**, 292, 11423-11430	5.4	43
97	A validated gRNA library for CRISPR/Cas9 targeting of the human glycosyltransferase genome. *Glycobiology*, **2018**, 28, 295-305	5.8	43
96	Identification of a GH110 subfamily of alpha 1,3-galactosidases: novel enzymes for removal of the alpha 3Gal xenotransplantation antigen. *Journal of Biological Chemistry*, **2008**, 283, 8545-54	5.4	43
95	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. *Journal of Proteome Research*, **2018**, 17, 4097-4112	5.6	40
94	A glycogene mutation map for discovery of diseases of glycosylation. *Glycobiology*, **2015**, 25, 211-24	5.8	38

93	Site-specific -glycosylation of members of the low-density lipoprotein receptor superfamily enhances ligand interactions. *Journal of Biological Chemistry*, **2018**, 293, 7408-7422	5.4	38
92	Modifying the red cell surface: towards an ABO-universal blood supply. *British Journal of Haematology*, **2008**, 140, 3-12	4.5	36
91	Characterization of binding epitopes of CA125 monoclonal antibodies. *Journal of Proteome Research*, **2014**, 13, 3349-59	5.6	34
90	Exploring Regulation of Protein O-Glycosylation in Isogenic Human HEK293 Cells by Differential O-Glycoproteomics. *Molecular and Cellular Proteomics*, **2019**, 18, 1396-1409	7.6	33
89	Low density lipoprotein receptor class A repeats are O-glycosylated in linker regions. *Journal of Biological Chemistry*, **2014**, 289, 17312-24	5.4	33
88	Structural analysis of peptide substrates for mucin-type O-glycosylation. *Biochemistry*, **1998**, 37, 12811-7	3.2	33
87	Expression of histo-blood-group-A/B-gene-defined glycosyltransferases in normal and malignant epithelia: correlation with A/B-carbohydrate expression. *International Journal of Cancer*, **1992**, 52, 7-12	7.5	33
86	The glycosylation design space for recombinant lysosomal replacement enzymes produced in CHO cells. *Nature Communications*, **2019**, 10, 1785	17.4	32
85	Structural insights into the Notch-modifying glycosyltransferase Fringe. *Nature Structural and Molecular Biology*, **2006**, 13, 945-6	17.6	31
84	Fine-Tuning Limited Proteolysis: A Major Role for Regulated Site-Specific O-Glycosylation. *Trends in Biochemical Sciences*, **2018**, 43, 269-284	10.3	30
83	Discovery of -glycans on atrial natriuretic peptide (ANP) that affect both its proteolytic degradation and potency at its cognate receptor. *Journal of Biological Chemistry*, **2019**, 294, 12567-12578	5.4	28
82	Molecular basis for fibroblast growth factor 23 O-glycosylation by GalNAc-T3. *Nature Chemical Biology*, **2020**, 16, 351-360	11.7	28
81	Glycosyltransferase genes that cause monogenic congenital disorders of glycosylation are distinct from glycosyltransferase genes associated with complex diseases. *Glycobiology*, **2018**, 28, 284-294	5.8	28
80	Structural and Mechanistic Insights into the Catalytic-Domain-Mediated Short-Range Glycosylation Preferences of GalNAc-T4. *ACS Central Science*, **2018**, 4, 1274-1290	16.8	28
79	Mammalian -mannosylation of cadherins and plexins is independent of protein -mannosyltransferases 1 and 2. *Journal of Biological Chemistry*, **2017**, 292, 11586-11598	5.4	27
78	ABH and Related Histo-Blood Group Antigens; Immunochemical Differences in Carrier Isotypes and Their Distribution. *Vox Sanguinis*, **1989**, 56, 1-20	3.1	27
77	The interdomain flexible linker of the polypeptide GalNAc transferases dictates their long-range glycosylation preferences. *Nature Communications*, **2017**, 8, 1959	17.4	26
76	Probing the binding specificities of human Siglecs by cell-based glycan arrays. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	26

75	Display of the human mucinome with defined O-glycans by gene engineered cells. *Nature Communications*, **2021**, 12, 4070	17.4	26
74	Targeted Analysis of Lysosomal Directed Proteins and Their Sites of Mannose-6-phosphate Modification. *Molecular and Cellular Proteomics*, **2019**, 18, 16-27	7.6	26
73	Distinct orders of GalNAc incorporation into a peptide with consecutive threonines. *Biochemical and Biophysical Research Communications*, **2001**, 287, 110-5	3.4	25
72	Glycoengineering of human cell lines using zinc finger nuclease gene targeting: SimpleCells with homogeneous GalNAc O-glycosylation allow isolation of the O-glycoproteome by one-step lectin affinity chromatography. *Methods in Molecular Biology*, **2013**, 1022, 387-402	1.4	24
71	Site-specific -Glycosylation by Polypeptide -Acetylgalactosaminyltransferase 2 (GalNAc-transferase T2) Co-regulates Adrenergic Receptor N-terminal Cleavage. *Journal of Biological Chemistry*, **2017**, 292, 4714-4726	5.4	23
70	Identification and evolution of a plant cell wall specific glycoprotein glycosyl transferase, ExAD. *Scientific Reports*, **2017**, 7, 45341	4.9	22
69	Multiple distinct O-Mannosylation pathways in eukaryotes. *Current Opinion in Structural Biology*, **2019**, 56, 171-178	8.1	22
68	Glycoprotein I of herpes simplex virus type 1 contains a unique polymorphic tandem-repeated mucin region. *Journal of General Virology*, **2007**, 88, 1683-1688	4.9	22
67	Glycoengineering design options for IgG1 in CHO cells using precise gene editing. *Glycobiology*, **2018**, 28, 542-549	5.8	21
66	Golgi maturation-dependent glycoenzyme recycling controls glycosphingolipid biosynthesis and cell growth via GOLPH3. *EMBO Journal*, **2021**, 40, e107238	13	21
65	GlycoDomainViewer: a bioinformatics tool for contextual exploration of glycoproteomes. *Glycobiology*, **2018**, 28, 131-136	5.8	20
64	Distinguishing Truncated and Normal MUC1 Glycoform Targeting from Tn-MUC1-Specific CAR T Cells: Specificity Is the Key to Safety. *Immunity*, **2016**, 45, 947-948	32.3	20
63	Site-specific O-glycosylation of N-terminal serine residues by polypeptide GalNAc-transferase 2 modulates human opioid receptor turnover at the plasma membrane. *Cellular Signalling*, **2018**, 42, 184-193	4.9	19
62	Incorporation of N-acetylgalactosamine into consecutive threonine residues in MUC2 tandem repeat by recombinant human N-acetyl-D-galactosamine transferase-T1, T2 and T3. *FEBS Letters*, **1999**, 449, 230-4	3.8	19
61	EDEM1's mannosidase-like domain binds ERAD client proteins in a redox-sensitive manner and possesses catalytic activity. *Journal of Biological Chemistry*, **2018**, 293, 13932-13945	5.4	18
60	Genetic glycoengineering in mammalian cells. *Journal of Biological Chemistry*, **2021**, 296, 100448	5.4	18
59	Structure-guided engineering of the affinity and specificity of CARs against Tn-glycopeptides. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 15148-15159	11.5	17
58	Carbohydrate clearance receptors in transfusion medicine. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 1797-808	4	17

57	Lepidopteran defence droplets - a composite physical and chemical weapon against potential predators. *Scientific Reports*, **2016**, 6, 22407	4.9	16
56	Essential Functions of Glycans in Human Epithelia Dissected by a CRISPR-Cas9-Engineered Human Organotypic Skin Model. *Developmental Cell*, **2020**, 54, 669-684.e7	10.2	16
55	A novel monoclonal antibody to a defined peptide epitope in MUC16. *Glycobiology*, **2015**, 25, 1172-82	5.8	15
54	A conserved major facilitator superfamily member orchestrates a subset of O-glycosylation to aid macrophage tissue invasion. *ELife*, **2019**, 8,	8.9	15
53	Elucidation of the sugar recognition ability of the lectin domain of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 3 by using unnatural glycopeptide substrates. *Glycobiology*, **2012**, 22, 429-38	5.8	15
52	Loss of UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 3 and reduced O-glycosylation in colon carcinoma cells selected for hepatic metastasis. *Glycoconjugate Journal*, **2010**, 27, 267-76	3	15
51	Control of Mucin-Type O-Glycosylation: O-Glycan Occupancy is Directed by Substrate Specificities of Polypeptide GalNAc-Transferases273-292		15
50	Characterization of an immunodominant cancer-specific O-glycopeptide epitope in murine podoplanin (OTS8). *Glycoconjugate Journal*, **2010**, 27, 571-82	3	14
49	Structural Analysis of a GalNAc-T2 Mutant Reveals an Induced-Fit Catalytic Mechanism for GalNAc-Ts. *Chemistry - A European Journal*, **2018**, 24, 8382-8392	4.8	13
48	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for B-Cell Lymphoma Therapy. *Angewandte Chemie - International Edition*, **2021**, 60, 3603-3610	16.4	13
47	Mucins and Truncated -Glycans Unveil Phenotypic Discrepancies between Serous Ovarian Cancer Cell Lines and Primary Tumours. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	12
46	Development of isoform-specific sensors of polypeptide GalNAc-transferase activity. *Journal of Biological Chemistry*, **2014**, 289, 30556-30566	5.4	12
45	Ser and Thr acceptor preferences of the GalNAc-Ts vary among isoenzymes to modulate mucin-type O-glycosylation. *Glycobiology*, **2020**, 30, 910-922	5.8	12
44	Endoplasmic reticulum transmembrane protein TMTC3 contributes to O-mannosylation of E-cadherin, cellular adherence, and embryonic gastrulation. *Molecular Biology of the Cell*, **2020**, 31, 167-183	3.5	11
43	Spatial separation of the cyanogenic β-glucosidase ZfBGD2 and cyanogenic glucosides in the haemolymph of larvae facilitates cyanide release. *Royal Society Open Science*, **2017**, 4, 170262	3.3	11
42	Rescue of Drosophila Melanogaster l(2)35Aa lethality is only mediated by polypeptide GalNAc-transferase pgant35A, but not by the evolutionary conserved human ortholog GalNAc-transferase-T11. *Glycoconjugate Journal*, **2010**, 27, 435-44	3	11
41	Substrate-Guided Front-Face Reaction Revealed by Combined Structural Snapshots and Metadynamics for the Polypeptide N-Acetylgalactosaminyltransferase 2. *Angewandte Chemie*, **2014**, 126, 8345-8349	3.6	10
40	Multiple cancer-specific antigens are targeted by a chimeric antigen receptor on a single cancer cell. *JCI Insight*, **2019**, 4,	9.9	10

39	Cell-Based Glycan Arrays-A Practical Guide to Dissect the Human Glycome. *STAR Protocols*, **2020**, 1, 100017	1.4	10
38	The ELAM-1 ligand sialosyl-Le(X) is present on Langerhans cells isolated from stratified epithelium. *Experimental Dermatology*, **1992**, 1, 236-41	4	9
37	Generation of monoclonal antibodies to native active human glycosyltransferases. *Methods in Molecular Biology*, **2013**, 1022, 403-20	1.4	9
36	Revisiting the human polypeptide GalNAc-T1 and T13 paralogs. *Glycobiology*, **2017**, 27, 140-153	5.8	8
35	Extrinsic Functions of Lectin Domains in O-N-Acetylgalactosamine Glycan Biosynthesis. *Journal of Biological Chemistry*, **2016**, 291, 25339-25350	5.4	8
34	IDDM7 links to insulin-dependent diabetes mellitus in Danish multiplex families but linkage is not explained by novel polymorphisms in the candidate gene GALNT3. The Danish Study Group of Diabetes in Childhood and The Danish IDDM Epidemiology and Genetics Group. *Human Mutation*, **2000**, 15, 295-6	4.7	8
33	Simple mucin-type carbohydrate antigens in pleomorphic adenomas. *Apmis*, **1993**, 101, 242-8	3.4	8
32	ER-resident oxidoreductases are glycosylated and trafficked to the cell surface to promote matrix degradation by tumour cells. *Nature Cell Biology*, **2020**, 22, 1371-1381	23.4	8
31	Activity of N-acylneuraminate-9-phosphatase (NANP) is not essential for de novo sialic acid biosynthesis. *Biochimica Et Biophysica Acta - General Subjects*, **2019**, 1863, 1471-1479	4	7
30	Chemoenzymatic synthesis of derivatives of a T-cell-stimulating peptide which carry tumor-associated carbohydrate antigens. *Journal of the Chemical Society, Perkin Transactions 1*, **2001**, 880-885		7
29	Isoforms of MUC16 activate oncogenic signaling through EGF receptors to enhance the progression of pancreatic cancer. *Molecular Therapy*, **2021**, 29, 1557-1571	11.7	5
28	Generation and characterization of a monoclonal antibody to the cytoplasmic tail of MUC16. *Glycobiology*, **2017**, 27, 920-926	5.8	4
27	Histo-blood group p: biosynthesis of globoseries glycolipids in EBV-transformed B cell lines. *Glycoconjugate Journal*, **1996**, 13, 529-35	3	4
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