Henrik Clausen

List of Publications by Year in Descending Order

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	Atomic and Specificity Details of Mucin 1 -Glycosylation Process by Multiple Polypeptide GalNAc-Transferase Isoforms Unveiled by NMR and Molecular Modeling.. *Jacs Au*, **2022**, 2, 631-645		1
181	Exploring the glycosylation of mucins by use of O-glycodomain reporters recombinantly expressed in glycoengineered HEK293 cells.. *Journal of Biological Chemistry*, **2022**, 101784	5.4	4
180	Structural basis for the synthesis of the core 1 structure by C1GalT1.. *Nature Communications*, **2022**, 13, 2398	17.4	2
179	Applying transcriptomics to study glycosylation at the cell type level. *IScience*, **2022**, 25, 104419	6.1	1
178	Installation of O-glycan sulfation capacities in human HEK293 cells for display of sulfated mucins.. *Journal of Biological Chemistry*, **2021**, 101382	5.4	1
177	Dissecting structure-function of 3-O-sulfated heparin and engineered heparan sulfates.. *Science Advances*, **2021**, 7, eabl6026	14.3	2
176	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for B-Cell Lymphoma Therapy. *Angewandte Chemie*, **2021**, 133, 3647-3654	3.6	0
175	Golgi maturation-dependent glycoenzyme recycling controls glycosphingolipid biosynthesis and cell growth via GOLPH3. *EMBO Journal*, **2021**, 40, e107238	13	21
174	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
173	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
172	Drosophila -GlcNAcase Mutants Reveal an Expanded Glycoproteome and Novel Growth and Longevity Phenotypes. *Cells*, **2021**, 10,	7.9	4
171	MUC4 enhances gemcitabine resistance and malignant behaviour in pancreatic cancer cells expressing cancer-associated short O-glycans. *Cancer Letters*, **2021**, 503, 91-102	9.9	4
170	Display of the human mucinome with defined O-glycans by gene engineered cells. *Nature Communications*, **2021**, 12, 4070	17.4	26
169	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
168	Professor Sen-itiroh Hakomori (1929-2020): A tribute to a remarkable glycobiologist, mentor and friend!. *Glycobiology*, **2021**, 31, 708-712	5.8	0
167	Genetic glycoengineering in mammalian cells. *Journal of Biological Chemistry*, **2021**, 296, 100448	5.4	18
166	FUT8-Directed Core Fucosylation of N-glycans Is Regulated by the Glycan Structure and Protein Environment. *ACS Catalysis*, **2021**, 11, 9052-9065	13.1	3

165	Polypeptide -acetylgalactosaminyltransferase-Associated Phenotypes in Mammals. *Molecules*, **2021**, 26,	4.8	2
164	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
163	A Bump-and-Hole Approach to Dissect Regulation of Protein O-Glycosylation. *Molecular Cell*, **2020**, 78, 803-805	17.6	
162	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
161	Engineering mammalian cells to produce plant-specific N-glycosylation on proteins. *Glycobiology*, **2020**, 30, 528-538	5.8	3
160	A mutation map for human glycoside hydrolase genes. *Glycobiology*, **2020**, 30, 500-515	5.8	2
159	Molecular basis for fibroblast growth factor 23 O-glycosylation by GalNAc-T3. *Nature Chemical Biology*, **2020**, 16, 351-360	11.7	28
158	The half-life of the bone-derived hormone osteocalcin is regulated through -glycosylation in mice, but not in humans. *ELife*, **2020**, 9,	8.9	3
157	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
156	Global view of human protein glycosylation pathways and functions. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 729-749	48.7	156
155	Investigating Patterns of Immune Interaction in Ovarian Cancer: Probing the O-glycoproteome by the Macrophage Galactose-Like C-type Lectin (MGL). *Cancers*, **2020**, 12,	6.6	1
154	Cell-Based Glycan Arrays-A Practical Guide to Dissect the Human Glycome. *STAR Protocols*, **2020**, 1, 100017	1.4	10
153	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
152	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
151	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
150	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
149	Multiple distinct O-Mannosylation pathways in eukaryotes. *Current Opinion in Structural Biology*, **2019**, 56, 171-178	8.1	22
148	The glycosylation design space for recombinant lysosomal replacement enzymes produced in CHO cells. *Nature Communications*, **2019**, 10, 1785	17.4	32

147	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
146	Glyco-DIA: a method for quantitative O-glycoproteomics with in silico-boosted glycopeptide libraries. *Nature Methods*, **2019**, 16, 902-910	21.6	51
145	Towards universally acceptable blood. *Nature Microbiology*, **2019**, 4, 1426-1427	26.6	1
144	A conserved major facilitator superfamily member orchestrates a subset of O-glycosylation to aid macrophage tissue invasion. *ELife*, **2019**, 8,	8.9	15
143	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
142	Multiple cancer-specific antigens are targeted by a chimeric antigen receptor on a single cancer cell. *JCI Insight*, **2019**, 4,	9.9	10
141	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
140	Fine-Tuning Limited Proteolysis: A Major Role for Regulated Site-Specific O-Glycosylation. *Trends in Biochemical Sciences*, **2018**, 43, 269-284	10.3	30
139	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
138	SnapShot: O-Glycosylation Pathways across Kingdoms. *Cell*, **2018**, 172, 632-632.e2	56.2	48
137	A validated gRNA library for CRISPR/Cas9 targeting of the human glycosyltransferase genome. *Glycobiology*, **2018**, 28, 295-305	5.8	43
136	GlycoDomainViewer: a bioinformatics tool for contextual exploration of glycoproteomes. *Glycobiology*, **2018**, 28, 131-136	5.8	20
135	Glycoengineering design options for IgG1 in CHO cells using precise gene editing. *Glycobiology*, **2018**, 28, 542-549	5.8	21
134	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
133	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
132	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
131	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
130	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

129	The GAGOme: a cell-based library of displayed glycosaminoglycans. *Nature Methods*, **2018**, 15, 881-888	21.6	72
128	Direct quality control of glycoengineered erythropoietin variants. *Nature Communications*, **2018**, 9, 3342	17.4	44
127	Expression of the -Glycosylation Enzyme GalNAc-T3 in the Equatorial Segment Correlates with the Quality of Spermatozoa. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	2
126	Current Technologies for Complex Glycoproteomics and Their Applications to Biology/Disease-Driven Glycoproteomics. *Journal of Proteome Research*, **2018**, 17, 4097-4112	5.6	40
125	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
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	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
122	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
121	NleB/SseK effectors from , , and display distinct differences in host substrate specificity. *Journal of Biological Chemistry*, **2017**, 292, 11423-11430	5.4	43
120	Identification and evolution of a plant cell wall specific glycoprotein glycosyl transferase, ExAD. *Scientific Reports*, **2017**, 7, 45341	4.9	22
119	Revisiting the human polypeptide GalNAc-T1 and T13 paralogs. *Glycobiology*, **2017**, 27, 140-153	5.8	8
118	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
117	Spatial separation of the cyanogenic glucosidase ZfBGD2 and cyanogenic glucosides in the haemolymph of larvae facilitates cyanide release. *Royal Society Open Science*, **2017**, 4, 170262	3.3	11
116	The interdomain flexible linker of the polypeptide GalNAc transferases dictates their long-range glycosylation preferences. *Nature Communications*, **2017**, 8, 1959	17.4	26
115	Generation and characterization of a monoclonal antibody to the cytoplasmic tail of MUC16. *Glycobiology*, **2017**, 27, 920-926	5.8	4
114	Extrinsic Functions of Lectin Domains in O-N-Acetylgalactosamine Glycan Biosynthesis. *Journal of Biological Chemistry*, **2016**, 291, 25339-25350	5.4	8
113	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
112	Lepidopteran defence droplets - a composite physical and chemical weapon against potential predators. *Scientific Reports*, **2016**, 6, 22407	4.9	16

111	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
110	Mapping the O-Mannose Glycoproteome in Saccharomyces cerevisiae. *Molecular and Cellular Proteomics*, **2016**, 15, 1323-37	7.6	46
109	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
108	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
107	Loss of Function of GALNT2 Lowers High-Density Lipoproteins in Humans, Nonhuman Primates, and Rodents. *Cell Metabolism*, **2016**, 24, 234-45	24.6	78
106	Fast and sensitive detection of indels induced by precise gene targeting. *Nucleic Acids Research*, **2015**, 43, e59	20.1	115
105	Engineered CHO cells for production of diverse, homogeneous glycoproteins. *Nature Biotechnology* , **2015**, 33, 842-4	44.5	172
104	Dynamic interplay between catalytic and lectin domains of GalNAc-transferases modulates protein O-glycosylation. *Nature Communications*, **2015**, 6, 6937	17.4	61
103	Molecular logic of neuronal self-recognition through protocadherin domain interactions. *Cell*, **2015**, 163, 629-42	56.2	94
102	A novel monoclonal antibody to a defined peptide epitope in MUC16. *Glycobiology*, **2015**, 25, 1172-82	5.8	15
101	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
100	A glycogene mutation map for discovery of diseases of glycosylation. *Glycobiology*, **2015**, 25, 211-24	5.8	38
99	Probing polypeptide GalNAc-transferase isoform substrate specificities by in vitro analysis. *Glycobiology*, **2015**, 25, 55-65	5.8	72
98	Advances in mass spectrometry driven O-glycoproteomics. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 33-42	4	92
97	Deconstruction of O-glycosylation--GalNAc-T isoforms direct distinct subsets of the O-glycoproteome. *EMBO Reports*, **2015**, 16, 1713-22	6.5	80
96	Fucosylation and protein glycosylation create functional receptors for cholera toxin. *ELife*, **2015**, 4, e09545	8.9	55
95	Probing the O-glycoproteome of gastric cancer cell lines for biomarker discovery. *Molecular and Cellular Proteomics*, **2015**, 14, 1616-29	7.6	73
94	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

93	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
92	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
91	Protein O-GalNAc Glycosylation: The Most Complex and Differentially Regulated PTM **2014**, 1-14		3
90	Low density lipoprotein receptor class A repeats are O-glycosylated in linker regions. *Journal of Biological Chemistry*, **2014**, 289, 17312-24	5.4	33
89	Precision genome editing: a small revolution for glycobiology. *Glycobiology*, **2014**, 24, 663-80	5.8	45
88	Characterization of binding epitopes of CA125 monoclonal antibodies. *Journal of Proteome Research*, **2014**, 13, 3349-59	5.6	34
87	Development of isoform-specific sensors of polypeptide GalNAc-transferase activity. *Journal of Biological Chemistry*, **2014**, 289, 30556-30566	5.4	12
86	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
85	The GalNAc-type O-Glycoproteome of CHO cells characterized by the SimpleCell strategy. *Molecular and Cellular Proteomics*, **2014**, 13, 3224-35	7.6	64
84	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
83	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
82	The heterotaxy gene GALNT11 glycosylates Notch to orchestrate cilia type and laterality. *Nature*, **2013**, 504, 456-9	50.4	134
81	Precision mapping of the human O-GalNAc glycoproteome through SimpleCell technology. *EMBO Journal*, **2013**, 32, 1478-88	13	862
80	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
79	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
78	Enhanced mass spectrometric mapping of the human GalNAc-type O-glycoproteome with SimpleCells. *Molecular and Cellular Proteomics*, **2013**, 12, 932-44	7.6	83
77	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
76	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

75	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
74	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
73	Generation of monoclonal antibodies to native active human glycosyltransferases. *Methods in Molecular Biology*, **2013**, 1022, 403-20	1.4	9
72	Truncated O - glycans Enhance Tumorigenicity of Pancreatic Tumors. *FASEB Journal*, **2013**, 27, 592.7	0.9	
71	The origin and function of platelet glycosyltransferases. *Blood*, **2012**, 120, 626-35	2.2	62
70	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
69	Carbohydrate clearance receptors in transfusion medicine. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 1797-808	4	17
68	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
67	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
66	Control of mucin-type O-glycosylation: a classification of the polypeptide GalNAc-transferase gene family. *Glycobiology*, **2012**, 22, 736-56	5.8	529
65	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
64	Location, location, location: new insights into O-GalNAc protein glycosylation. *Trends in Cell Biology*, **2011**, 21, 149-58	18.3	166
63	Seromic profiling of colorectal cancer patients with novel glycopeptide microarray. *International Journal of Cancer*, **2011**, 128, 1860-71	7.5	108
62	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
61	Lectin domains of polypeptide GalNAc transferases exhibit glycopeptide binding specificity. *Journal of Biological Chemistry*, **2011**, 286, 32684-96	5.4	47
60	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
59	Mining the O-glycoproteome using zinc-finger nuclease-glycoengineered SimpleCell lines. *Nature Methods*, **2011**, 8, 977-82	21.6	275
58	ST6GalNAc-I controls expression of sialyl-Tn antigen in gastrointestinal tissues. *Frontiers in Bioscience - Elite*, **2011**, 3, 1443-55	1.6	64

57	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
56	A novel ΞN-acetylgalactosaminidase family with an NAD+-dependent catalytic mechanism suitable for enzymatic removal of blood group A antigens. *Biocatalysis and Biotransformation*, **2010**, 28, 22-32	2.5	3
55	A high-throughput O-glycopeptide discovery platform for seromic profiling. *Journal of Proteome Research*, **2010**, 9, 5250-61	5.6	80
54	Cancer biomarkers defined by autoantibody signatures to aberrant O-glycopeptide epitopes. *Cancer Research*, **2010**, 70, 1306-13	10.1	199
53	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
52	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
51	Characterization of an immunodominant cancer-specific O-glycopeptide epitope in murine podoplanin (OTS8). *Glycoconjugate Journal*, **2010**, 27, 571-82	3	14
50	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
49	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
48	Modifying the red cell surface: towards an ABO-universal blood supply. *British Journal of Haematology*, **2008**, 140, 3-12	4.5	36
47	Bacterial glycosidases for the production of universal red blood cells. *Nature Biotechnology*, **2007**, 25, 454-64	44.5	199
46	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
45	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
44	Identification of a novel cancer-specific immunodominant glycopeptide epitope in the MUC1 tandem repeat. *Glycobiology*, **2007**, 17, 197-209	5.8	153
43	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
42	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
41	Role of Polypeptide GalNAc-transferase T3 in Familial Tumoral Calcinosis: The Importance of a Single GalNAc-transferase Isoform. *Trends in Glycoscience and Glycotechnology*, **2007**, 19, 265-270	0.1	1
40	GlycoPEGylation of recombinant therapeutic proteins produced in Escherichia coli. *Glycobiology*, **2006**, 16, 833-43	5.8	155

39	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
38	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
37	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
36	Structural insights into the Notch-modifying glycosyltransferase Fringe. *Nature Structural and Molecular Biology*, **2006**, 13, 945-6	17.6	31
35	Platelets Lacking Sialic Acid Clear Rapidly from the Circulation Due to Ingestion by Asialoglycoprotein Receptor-Expressing Liver Macrophages and Hepatocytes.. *Blood*, **2006**, 108, 1521-1521	2.2	1
34	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
33	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
32	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
31	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**, 277, 22623-38	5.4	148
30	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
29	Mass spectrometric determination of O-glycosylation sites using beta-elimination and partial acid hydrolysis. *Analytical Chemistry*, **2001**, 73, 1263-9	7.8	51
28	Distinct orders of GalNAc incorporation into a peptide with consecutive threonines. *Biochemical and Biophysical Research Communications*, **2001**, 287, 110-5	3.4	25
27	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
26	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
25	Glycosyltransferase activity of Fringe modulates Notch-Delta interactions. *Nature*, **2000**, 406, 411-5	50.4	601
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