

# Harry Schachter

## List of Publications by Year in descending order

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146  
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150  
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docs citations

150  
times ranked

3201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Localization of Liver Sugar Nucleotide Glycoprotein Glycosyltransferases in a Golgi-rich Fraction. <i>Journal of Biological Chemistry</i> , 1970, 245, 1090-1100.	3.4	598
2	Biosynthetic controls that determine the branching and microheterogeneity of protein-bound oligosaccharides. <i>Biochemistry and Cell Biology</i> , 1986, 64, 163-181.	2.0	550
3	Biosynthetic Controls That Determine the Branching and Microheterogeneity of Protein-Bound Oligosaccharides. <i>Advances in Experimental Medicine and Biology</i> , 1986, 205, 53-85.	1.6	355
4	<i>O</i> -Mannosyl Phosphorylation of Alpha-Dystroglycan Is Required for Laminin Binding. <i>Science</i> , 2010, 327, 88-92.	12.6	312
5	LARGE can functionally bypass $\alpha$ -dystroglycan glycosylation defects in distinct congenital muscular dystrophies. <i>Nature Medicine</i> , 2004, 10, 696-703.	30.7	253
6	A structural basis for four distinct elution profiles on concanavalin A $\alpha$ -Sephrose affinity chromatography of glycopeptides. <i>Canadian Journal of Biochemistry</i> , 1979, 57, 83-96.	1.4	212
7	ISPD loss-of-function mutations disrupt dystroglycan O-mannosylation and cause Walker-Warburg syndrome. <i>Nature Genetics</i> , 2012, 44, 575-580.	21.4	212
8	The $\alpha$ -yellow brick road $\alpha$ ™ to branched complex N-glycans. <i>Glycobiology</i> , 1991, 1, 453-461.	2.5	201
9	Product-identification and substrate-specificity studies of the GDP-L-fucose: 2-acetamido-2-deoxy- $\beta$ -D-glucoside (fuc $\alpha$ 1-4Man $\alpha$ 6-GlcNAc) 6- $\alpha$ -L-fucosyltransferase in a golgi-rich fraction from porcine liver. <i>Carbohydrate Research</i> , 1982, 100, 365-392.	2.3	193
10	Control of branching during the biosynthesis of asparagine-linked oligosaccharides. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1983, 61, 1049-1066.	1.3	184
11	The control of glycoprotein synthesis: N-acetylglucosamine linkage to a mannose residue as a signal for the attachment of L-fucose to the asparagine-linked N-acetylglucosamine residue of glycopeptide from $\alpha$ 1-acid glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 1976, 72, 909-916.	2.1	176
12	Biosynthesis of Glycoprotein by Liver. <i>Journal of Biological Chemistry</i> , 1966, 241, 5408-5418.	3.4	163
13	The joys of HexNAc. The synthesis and function of N- and O-glycan branches. , 2000, 17, 465-483.		145
14	Mucin synthesis. UDP-GlcNAc:GalNAc-R .beta.3-N-acetylglucosaminyltransferase and UDP-GlcNAc:GlcNAc.beta.1-3GalNAc-R (GlcNAc to GalNAc) .beta.6-N-acetylglucosaminyltransferase from pig and rat colon mucosa. <i>Biochemistry</i> , 1985, 24, 1866-1874.	2.5	118
15	Sialic Acids. <i>Journal of Biological Chemistry</i> , 1971, 246, 5321-5328.	3.4	118
16	Control of glycoprotein synthesis. The use of oligosaccharide substrates and HPLC to study the sequential pathway for <i>N</i> -acetylglucosaminyltransferases I, II, III, IV, V, and VI in the biosynthesis of highly branched <i>N</i> -glycans by hen oviduct membranes. <i>Biochemistry and Cell Biology</i> , 1988, 66, 1134-1151.	2.0	108
17	A quantitative difference in the activity of blood group A-specific N-acetylgalactosaminyltransferase in serum from A1 and A2 human subjects. <i>Biochemical and Biophysical Research Communications</i> , 1971, 45, 1011-1018.	2.1	103
18	Walker-Warburg syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2006, 1, 29.	2.7	100

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19	Isolation, characterization and inactivation of the mouse Mgat3 gene: the bisecting N-acetylglucosamine in asparagine-linked oligosaccharides appears dispensable for viability and reproduction. <i>Glycobiology</i> , 1997, 7, 45-56.	2.5	96
20	Mammalian Glycosyltransferases. , 1980, , 85-160.		95
21	Glycosylation diseases: Quo vadis?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2009, 1792, 925-930.	3.8	93
22	Golgi and Secreted Galactosyltransferases. <i>Critical Reviews in Biochemistry</i> , 1986, 21, 119-151.	7.5	92
23	The effect of a bisecting N-acetylglucosaminyl group on the binding of biantennary, complex oligosaccharides to concanavalin A, Phaseolus vulgaris erythroagglutinin (E-PHA), and Ricinus communis agglutinin (RCA-12) immobilized on agarose. <i>Carbohydrate Research</i> , 1986, 149, 65-83.	2.3	91
24	The biosynthesis of highly branched N-glycans: studies on the sequential pathway and functional role of N-acetylglucosaminyltransferases I, II, III, IV, V and VI. <i>Biochimie</i> , 1988, 70, 1521-1533.	2.6	88
25	Glycoproteins: their structure, biosynthesis and possible clinical implications. <i>Clinical Biochemistry</i> , 1984, 17, 3-14.	1.9	86
26	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. I. Blood Serum and Liver Sialyltransferase. <i>Canadian Journal of Biochemistry</i> , 1971, 49, 829-837.	1.4	83
27	Intracellular localization of GDP-l-fucose: Glycoprotein and CMP-sialic acid: Apolipoprotein glycosyltransferases in rat and pork livers. <i>Archives of Biochemistry and Biophysics</i> , 1975, 169, 269-277.	3.0	82
28	Null Mutations in Drosophila N-Acetylglucosaminyltransferase I Produce Defects in Locomotion and a Reduced Life Span. <i>Journal of Biological Chemistry</i> , 2006, 281, 12776-12785.	3.4	80
29	The human UDP-N-Acetylglucosamine:alpha-6-d-Mannoside-beta-1,2-N-Acetylglucosaminyltransferase II Gene (MGAT2). Cloning of Genomic DNA, Localization to Chromosome 14q21, Expression in Insect Cells and Purification of the Recombinant Protein. <i>FEBS Journal</i> , 1995, 231, 317-328.	0.2	78
30	The presence of two GDP-l-fucose:Glycoprotein fucosyltransferases in human serum. <i>Archives of Biochemistry and Biophysics</i> , 1973, 156, 534-542.	3.0	73
31	Enzymes associated with glycosylation. <i>Current Opinion in Structural Biology</i> , 1991, 1, 755-765.	5.7	73
32	Mild POMGnT1 Mutations Underlie a Novel Limb-Girdle Muscular Dystrophy Variant. <i>Archives of Neurology</i> , 2008, 65, 137-41.	4.5	73
33	Control of glycoprotein synthesis. Bovine milk UDPgalactose:N-acetylglucosamine 4-beta-galactosyltransferase catalyzes the preferential transfer of galactose to the GlcNAc.beta.1,2Man.alpha.1,3- branch of both bisected and nonbisected complex biantennary asparagine-linked oligosaccharides. <i>Biochemistry</i> , 1985, 24, 1694-1700.	2.5	72
34	Expression of Three Caenorhabditis elegans N-Acetylglucosaminyltransferase I Genes during Development. <i>Journal of Biological Chemistry</i> , 1999, 274, 288-297.	3.4	72
35	Pork Liver Guanosine Diphosphate-l-Fucose Glycoprotein Fucosyltransferases. <i>Journal of Biological Chemistry</i> , 1971, 246, 5154-5161.	3.4	72
36	Molecular cloning and characterization of the mouse UDP-N-acetylglucosamine:1-3-d-mannoside 1-2-1,2-N-acetylglucosaminyltransferase I gene. <i>Genomics</i> , 1992, 12, 699-704.	2.9	71

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37	Carbohydrate-deficient Glycoprotein Syndrome Type II. An Autosomal Recessive N-acetylglucosaminyltransferase II Deficiency Different from Typical Hereditary Erythroblastic Multinuclearity, with a Positive Acidified-serum Lysis Test (HEMPAS). <i>FEBS Journal</i> , 1995, 230, 797-805.	0.2	70
38	[30] High-performance liquid chromatography assays for N-acetylglucosaminyltransferases involved in N- and O-glycan synthesis. <i>Methods in Enzymology</i> , 1989, 179, 351-397.	1.0	67
39	Mucin synthesis. Conversion of R1-beta1-3Gal-R2 to R1-beta-3(GlcNAc beta1-6)Gal-R2 and of R1-beta1-3GalNAc-R2 to R1-beta1-3(GlcNAc beta1-6)GalNAc-R2 by a beta6-N-acetylglucosaminyltransferase in pig gastric mucosa. <i>FEBS Journal</i> , 1986, 157, 463-474.	0.2	63
40	Control of glycoprotein synthesis. IX. A terminal Man $\alpha$ 1-3Man $\alpha$ 21- sequence in the substrate is the minimum requirement for UDP-N-acetyl-D-glucosamine: D-mannoside (GlcNAc to Man $\alpha$ 1-3) $\beta$ 2-N-acetylglucosaminyltransferase I. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1984, 62, 409-417.	1.3	62
41	The Inhibition of Rat Liver Polyribosome Breakdown in the Presence of Liver Supernatant. <i>Journal of Biological Chemistry</i> , 1966, 241, 1835-1839.	3.4	62
42	Molecular Cloning and Expression of cDNA Encoding the Rat UDP-N-Acetylglucosamine: $\alpha$ -6-D-Mannoside $\beta$ 2,2-N-Acetylglucosaminyltransferase II. <i>Journal of Biological Chemistry</i> , 1995, 270, 15211-15221.	3.4	57
43	Cloning and expression of a novel UDP-GlcNAc: $\alpha$ -d-mannoside $\beta$ 2,2-N-acetylglucosaminyltransferase homologous to UDP-GlcNAc: $\alpha$ -3-d-mannoside $\beta$ 2,2-N-acetylglucosaminyltransferase I. <i>Biochemical Journal</i> , 2002, 361, 153-162.	3.7	56
44	Caenorhabditis elegans triple null mutant lacking UDP-N-acetyl-D-glucosamine: $\alpha$ -3-D-mannoside $\beta$ 2,2-N-acetylglucosaminyltransferase I. <i>Biochemical Journal</i> , 2004, 382, 995-1001.	3.7	55
45	Enzymatic diagnostic test for Muscle-Eye-Brain type congenital muscular dystrophy using commercially available reagents. <i>Clinical Biochemistry</i> , 2003, 36, 339-344.	1.9	54
46	Inhibition of the Sodium/Potassium ATPase Impairs $\alpha$ -N-Glycan Expression and Function. <i>Cancer Research</i> , 2008, 68, 6688-6697.	0.9	54
47	The Levels of Nucleotide-Sugar: Glycoprotein Sialyl- and N-Acetyl-glucosaminyltransferases in Normal and Pathological Human Sera. <i>Canadian Journal of Biochemistry</i> , 1972, 50, 738-740.	1.4	53
48	Mucin synthesis. III. UDP-GlcNAc:Gal $\beta$ 1-3(GlcNAc $\beta$ 1-6)GalNAc-R (GlcNAc to Gal) $\beta$ 2,3-N-acetylglucosaminyltransferase, an enzyme in porcine gastric mucosa involved in the elongation of mucin-type oligosaccharides. <i>Canadian Journal of Biochemistry and Cell Biology</i> , 1983, 61, 1322-1333.	1.3	50
49	Expression of stable human O-glycan core 2 $\beta$ 2,1,6-N-acetylglucosaminyltransferase in Sf9 insect cells. <i>Biochemical Journal</i> , 1997, 325, 63-69.	3.7	50
50	Synthesis of paucimannose N-glycans by Caenorhabditis elegans requires prior actions of UDP-N-acetyl-d-glucosamine: $\alpha$ -3-d-mannoside $\beta$ 1,2-N-acetylglucosaminyltransferase I, $\alpha$ 3,6-mannosidase II and a specific membrane-bound $\beta$ -N-acetylglucosaminidase. <i>Biochemical Journal</i> , 2003, 372, 53-64.	3.7	50
51	GDP-fucose: $\beta$ -N-acetylglucosamine (Fuc to (Fuc $\alpha$ 1 6GlcNAc)-Asn-peptide) $\alpha$ 1 3-fucosyltransferase activity in honeybee ( <i>Apis mellifica</i> ) venom glands. The difucosylation of asparagine-bound N-acetylglucosamine. <i>FEBS Journal</i> , 1991, 199, 745-751.	0.2	49
52	Control of glycoprotein synthesis: substrate specificity of rat liver UDP-GlcNAc:Man $\beta$ 3R $\beta$ 2-N-acetylglucosaminyl-transferase I using synthetic substrate analogues. <i>Glycoconjugate Journal</i> , 1992, 9, 180-190.	2.7	49
53	Protein glycosylation lessons from Caenorhabditis elegans. <i>Current Opinion in Structural Biology</i> , 2004, 14, 607-616.	5.7	49
54	Preferential Oxidation of the Methionine Residue near the Active Site of Chymotrypsin. <i>Journal of Biological Chemistry</i> , 1964, 239, 813-829.	3.4	49

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55	Cloning and Expression of <i>Drosophila melanogaster</i> UDP-GlcNAc:β-3-D-Mannoside ? 1,2-N-Acetylglucosaminyltransferase I. <i>Biological Chemistry</i> , 2001, 382, 209-17.	2.5	48
56	Suppression of Cancer Progression by MGAT1 shRNA Knockdown. <i>PLoS ONE</i> , 2012, 7, e43721.	2.5	47
57	Evidence for Two CMP-N-acetylneuraminic Acid: Lactose Sialyltransferases in Rat, Porcine, Bovine, and Human Liver. <i>Canadian Journal of Biochemistry</i> , 1972, 50, 1024-1028.	1.4	43
58	Cloning and expression of a novel UDP-GlcNAc:α-d-mannoside β1,2-N-acetylglucosaminyltransferase homologous to UDP-GlcNAc:α-3-d-mannoside β1,2-N-acetylglucosaminyltransferase I. <i>Biochemical Journal</i> , 2002, 361, 153.	3.7	43
59	Paucimannose N-glycans in <i>Caenorhabditis elegans</i> and <i>Drosophila melanogaster</i> . <i>Carbohydrate Research</i> , 2009, 344, 1391-1396.	2.3	43
60	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. II. Blood Serum and Liver Galactosyltransferase. <i>Canadian Journal of Biochemistry</i> , 1971, 49, 838-846.	1.4	42
61	Organization of the human β1,2-N-acetylglucosaminyltransferase I gene (MGAT1), which controls complex and hybrid N-glycan synthesis. <i>Biochemical Journal</i> , 1997, 321, 465-474.	3.7	42
62	A method for proteomic identification of membrane-bound proteins containing Asn-linked oligosaccharides. <i>Analytical Biochemistry</i> , 2004, 332, 178-186.	2.4	42
63	Synthetic substrate analogues for UDP-GlcNAc: Manα1-6R β2(1-2)-N-acetylglucosaminyltransferase II. Substrate specificity and inhibitors for the enzyme. <i>Glycoconjugate Journal</i> , 1994, 11, 210-216.	2.7	41
64	Carbohydrate-deficient glycoprotein syndrome type II. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999, 1455, 179-192.	3.8	41
65	Mice with a homozygous deletion of the <i>Mgat2</i> gene encoding UDP-N-acetylglucosamine:α-6-d-mannoside β1,2-N-acetylglucosaminyltransferase II: a model for congenital disorder of glycosylation type IIa. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 301-311.	2.4	41
66	Identification of the hydrophobic glycoproteins of <i>Caenorhabditis elegans</i> . <i>Glycobiology</i> , 2005, 15, 952-964.	2.5	40
67	[10] Glycosyltransferases involved in elongation of N-glycosidically linked oligosaccharides of the complex or N-acetylglucosamine type. <i>Methods in Enzymology</i> , 1983, 98, 98-134.	1.0	39
68	N-glycans Are Involved in the Response of <i>Caenorhabditis elegans</i> to Bacterial Pathogens. <i>Methods in Enzymology</i> , 2006, 417, 359-389.	1.0	39
69	Insertion into <i>Aspergillus nidulans</i> of functional UDP-GlcNAc: β3-d-mannoside ?-1,2-N-acetylglucosaminyltransferase I, the enzyme catalysing the first committed step from oligomannose to hybrid and complex N-glycans. <i>Glycoconjugate Journal</i> , 1995, 12, 360-370.	2.7	37
70	UDP-N-acetylglucosamine:α-3-d-mannoside β1,2-N-acetylglucosaminyltransferase I and UDP-N-acetylglucosamine:α-6-d-mannoside β1,2-N-acetylglucosaminyltransferase II in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 271-279.	2.4	35
71	Synthesis of tetrasaccharide analogues of the N-glycan substrate of β2-(1 → 6) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (2)	2.3	34
72	Identification of a Novel UDP-GalNAc:GlcNAcβ-R beta1-4 N-Acetylgalactosaminyltransferase from the Albumen Gland and Connective Tissue of the Snail <i>Lymnaea stagnalis</i> . <i>FEBS Journal</i> , 1995, 227, 175-185.	0.2	34

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73	In the Biosynthesis of N-glycans in Connective Tissue of the Snail <i>Lymnaea Stagnalis</i> of Incorporation GlcNAc by $\beta$ 2GlcNAc-transferase I is an essential prerequisite for the action of $\beta$ 2GlcNAc-transferase II and $\beta$ 2Xyl-transferase. FEBS Journal, 1995, 232, 272-283.	0.2	34
74	Substrate specificity and inhibition of UDP-GlcNAc:GlcNAc- $\beta$ 1-2Man- $\beta$ 1-6R- $\beta$ 1,6-N-acetylglucosaminyltransferase V using synthetic substrate analogues. Glycoconjugate Journal, 1995, 12, 371-379.	2.7	34
75	The separation by liquid chromatography (under elevated pressure) of phenyl, benzyl, and o-nitrophenyl glycosides of oligosaccharides. Analysis of substrates and products for four N-acetyl-d-glucosaminyl-transferases involved in mucin synthesis. Carbohydrate Research, 1983, 120, 3-16.	2.3	32
76	Control of glycoprotein synthesis. Characterization of (1 $\rightarrow$ 4)-N-acetyl- $\beta$ -d-glucosaminyltransferases acting on the $\beta$ -d-(1 $\rightarrow$ 3)- and $\beta$ -d-(1 $\rightarrow$ 6)-linked arms of N-linked oligosaccharides. Carbohydrate Research, 1992, 236, 281-299.	2.3	32
77	Mgat1-dependent N-glycans are essential for the normal development of both vertebrate and invertebrate metazoans. Seminars in Cell and Developmental Biology, 2010, 21, 609-615.	5.0	32
78	Use of a ribonuclease inhibitor from rat liver supernatant fraction in the preparation of polyribosome-like particles from isolated rat liver nuclei. Journal of Molecular Biology, 1967, 23, 81-87.	4.2	30
79	Tissue distribution of sulfolipids in the rat. Restricted location of sulfatoygalactosylalkylglycerol. Canadian Journal of Biochemistry, 1981, 59, 556-563.	1.4	28
80	THE BIOSYNTHESIS OF ANIMAL GLYCOPROTEINS. , 1973, , 1-149.		27
81	Localization of glycoprotein glycosyltransferases in the Golgi apparatus of rat and mouse testis. Biochimica Et Biophysica Acta - General Subjects, 1974, 372, 304-320.	2.4	27
82	N-acetylglucosaminyltransferase substrates prepared from glycoproteins by hydrazinolysis of the asparagine-N-acetylglucosamine linkage. Purification and structural determination of oligosaccharides with mannose and N-acetylglucosamine at the non-reducing termini. Glycoconjugate Journal, 1988, 5, 419-448.	2.7	27
83	The role of defective glycosylation in congenital muscular dystrophy. Glycoconjugate Journal, 2003, 20, 291-300.	2.7	27
84	Neuronal expression of Mgat1 rescues the shortened life span of Drosophila Mgat1 null mutants and increases life span. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9677-9682.	7.1	27
85	Incorporation of Sialic Acid into Sialidase-Treated Apolipoprotein of Human, Very Low Density Lipoprotein by a Pork Liver Sialyltransferase. Canadian Journal of Biochemistry, 1974, 52, 655-664.	1.4	26
86	The Structure and Biosynthesis of Membrane Glycoproteins. Current Topics in Membranes and Transport, 1978, 11, 15-105.	0.6	26
87	Mucin synthesis. The action of pig gastric mucosal UDP-GlcNAc:Gal $\beta$ 1-3(R1)GalNAc-R2 (GlcNAc to Gal) $\beta$ 1-3-N-acetylglucosaminyltransferase on high molecular weight Substrates. Canadian Journal of Biochemistry and Cell Biology, 1984, 62, 1081-1090.	1.3	25
88	Synthetic substrate analogues for UDP-GlcNAc: Man $\beta$ 1-3R $\beta$ 1-2-N-acetylglucosaminyltransferase I. Substrate specificity and inhibitors for the enzyme. Glycoconjugate Journal, 1995, 12, 747-754.	2.7	25
89	Identification of a novel UDP-Gal:GalNAc $\beta$ 1-4GlcNAc-R. $\beta$ 1-3-galactosyltransferase in the connective tissue of the snail <i>Lymnaea stagnalis</i> . FEBS Journal, 1991, 201, 459-465.	0.2	24
90	Functional post-translational proteomics approach to study the role of N-glycans in the development of <i>Caenorhabditis elegans</i> . Biochemical Society Symposia, 2002, 69, 1-21.	2.7	24

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91	Glycoprotein Biosynthesis. , 1978, , 87-181.		23
92	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. III. Blood Serum and Liver N-Acetylglucosaminyltransferase. Canadian Journal of Biochemistry, 1971, 49, 847-852.	1.4	22
93	Carriers and patients with muscle-eye-brain disease can be rapidly diagnosed by enzymatic analysis of fibroblasts and lymphoblasts. Neuromuscular Disorders, 2006, 16, 132-136.	0.6	22
94	The clinical relevance of glycobiology. Journal of Clinical Investigation, 2001, 108, 1579-1582.	8.2	22
95	Structural and functional consequences of an N-glycosylation mutation (HEMPAS) affecting human erythrocyte membrane glycoproteins. Biochemistry and Cell Biology, 1998, 76, 823-835.	2.0	21
96	The PCome of Caenorhabditis elegans as a prototypic model system for parasitic nematodes: Identification of phosphorylcholine-substituted proteins. Molecular and Biochemical Parasitology, 2008, 161, 101-111.	1.1	21
97	An Alteration in the Reactivity of Chymotrypsin and Trypsin towards Hydrogen Peroxide in the Presence of Specific Substrates. Journal of Biological Chemistry, 1963, 238, PC3134-PC3136.	3.4	21
98	The search for glycan function: Fucosylation of the TGF- $\beta$ 1 receptor is required for receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15721-15722.	7.1	20
99	Chapter 5 Biosynthesis 2c. Glycosyltransferases Involved in the Synthesis of N-Glycan Antennae. New Comprehensive Biochemistry, 1995, , 153-199.	0.1	18
100	Complex N-glycans: the story of the "yellow brick road". Glycoconjugate Journal, 2014, 31, 1-5.	2.7	18
101	THE INCORPORATION OF <sup>14</sup> C-THREONINE AND <sup>14</sup> C-GLUCOSAMINE INTO SUBCELLULAR FRACTIONS AND INTO BOVINE SUBMAXILLARY MUCIN BY SLICES OF BOVINE SUBMAXILLARY GLAND. Canadian Journal of Biochemistry, 1967, 45, 507-522.	1.4	17
102	Gene inactivation confirms the identity of enzymes involved in nematode phosphorylcholine-N-glycan synthesis. Molecular and Biochemical Parasitology, 2008, 157, 88-91.	1.1	16
103	Identification of a GDP-Fuc:Gal $\beta$ 1 $\rightarrow$ 3GalNAc-R (Fuc to Gal) $\beta$ 1 $\rightarrow$ 2 fucosyltransferase and a GDP-Fuc:Gal $\beta$ 1 $\rightarrow$ 4GlcNAc (Fuc to GlcNAc) $\beta$ 1 $\rightarrow$ 3 fucosyltransferase in connective tissue of the snail <i>Lymnaea stagnalis</i> . Glycoconjugate Journal, 1996, 13, 107-113.	2.7	15
104	Transcriptional regulation of the human UDP-GlcNAc:alpha-6-D-mannoside beta-1-2-N-acetylglucosaminyltransferase II gene (MGAT2) which controls complex N-glycan synthesis. Glycoconjugate Journal, 1998, 15, 301-308.	2.7	15
105	$\alpha$ -Fucose Metabolism in Mammals. I. Pork Liver $\alpha$ -Fucosyltransferase. Canadian Journal of Biochemistry, 1972, 50, 798-806.	1.4	14
106	Molecular Basis of Glycoconjugate Disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 61-62.	3.8	13
107	Glycoconjugate abnormalities in patients with congenital dyserythropoietic anaemia type I, II and III. British Journal of Haematology, 2001, 114, 907-913.	2.5	13
108	The role of the GlcNAc $\beta$ 1,2Man $\alpha$ 6 moiety in mammalian development. Null mutations of the genes encoding UDP-N-acetylglucosamine:1-3-d-mannoside 1-2-N-acetylglucosaminyltransferase I and UDP-N-acetylglucosamine:1-3-d-mannoside 1-2-N-acetylglucosaminyltransferase I.2 cause embryonic lethality and congenital muscular dystrophy in mice and men, respectively. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 292-300.	2.4	13

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109	Activity of UDP-GlcNAc:GlcNAc <sup>2</sup> 1-6(GlcNAc <sup>2</sup> 1-2) Man <sup>1</sup> 1-R[GlcNAc to Man] <sup>1</sup> 1-4N-Acetylglucosaminyltransferase VI (GnT VI) from the Ovaries of <i>Oryzias latipes</i> (Medaka Fish). <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 533-536.	2.1	12
110	Regulation of expression of the human $\beta$ -1,2-N-acetylglucosaminyltransferase II gene (MGAT2) by Ets transcription factors. <i>Biochemical Journal</i> , 2000, 347, 511.	3.7	12
111	Ablation of N-acetylglucosaminyltransferases in <i>Caenorhabditis</i> induces expression of unusual intersected and bisected N-glycans. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2191-2203.	2.4	12
112	Synthesis of pentasaccharide analogues of the N-glycan substrates of N-acetylglucosaminyltransferases III, IV and V using tetrasaccharide precursors and recombinant $\beta$ -(1-4) Tj ETQq020 rgBT /Overlock 1	2.0	10
113	Regulation of expression of the human $\beta$ -1,2-N-acetylglucosaminyltransferase II gene (MGAT2) by Ets transcription factors. <i>Biochemical Journal</i> , 2000, 347, 511-518.	3.7	11
114	Isolation of null alleles of the <i>Caenorhabditis elegans</i> gly-12, gly-13 and gly-14 genes, all of which encode UDP-GlcNAc: 1-3-D-mannoside $\beta$ 1,2-N-acetylglucosaminyltransferase I activity. <i>Biochimie</i> , 2003, 85, 391-401.	2.6	11
115	Use of Synthetic Oligosaccharide Substrate Analogs to Map the Active Sites of N-Acetylglucosaminyltransferases I and II. <i>Methods in Enzymology</i> , 2003, 363, 459-475.	1.0	11
116	Structural and functional consequences of an <i>N</i> -glycosylation mutation (HEMPAS) affecting human erythrocyte membrane glycoproteins. <i>Biochemistry and Cell Biology</i> , 1998, 76, 823-835.	2.0	11
117	Chapter 16b Carbohydrate-deficient glycoprotein syndrome. <i>New Comprehensive Biochemistry</i> , 1996, 30, 457-467.	0.1	10
118	Branching of N- and O-Glycans: Biosynthetic Controls and Functions.. <i>Trends in Glycoscience and Glycotechnology</i> , 1992, 4, 241-250.	0.1	10
119	Decreased UDP-GlcNAc:Glycopeptide <sup>2</sup> -2-N-Acetylglucosaminyltransferase II activity in a ricin-resistant mutant of baby hamster kidney (BHK) cells. <i>Glycoconjugate Journal</i> , 1984, 1, 51-61.	2.7	9
120	Bausteine von Oligosacchariden, CIX. Synthese von modifizierten Oligosacchariden der <i>N</i> -Glycoproteine zur Untersuchung der Substratspezifität der <i>N</i> -Acetylglucosaminyltransferase I. <i>Liebigs Annalen</i> , 1995, 1995, 53-66.	0.8	9
121	The human UDP-GlcNAc: 1-3-D-mannoside $\beta$ 1,2-N-acetylglucosaminyltransferase II Gene ( <i>MGAT2</i> ). <i>FEBS Journal</i> , 1995, 231, 317-328.	1.2	8
122	Defective Glycosyltransferases are Not Good for Your Health. <i>Advances in Experimental Medicine and Biology</i> , 1998, 435, 9-27.	1.6	8
123	Stimulation of Rat Liver Microsomal UDP-N-acetylglucosamine: Glycoprotein N-acetylglucosaminyltransferase by Carboxymethylcysteine-ribonuclease A. <i>Canadian Journal of Biochemistry</i> , 1973, 51, 101-105.	1.4	7
124	Biosynthesis and Catabolism of Glycoproteins. <i>ACS Symposium Series</i> , 1978, , 21-46.	0.5	7
125	Identification of terminal N-acetylglucosamine residues of highly branched asparagine-linked oligosaccharides as immunoreactive domains of a chicken heterophile antigenic determinant. <i>Molecular Immunology</i> , 1987, 24, 765-771.	2.2	7
126	Two closely related forms of UDP-GlcNAc: $\beta$ -D-mannoside $\beta$ 1,2-N-acetylglucosaminyltransferase II occur in the clawed frog <i>Xenopus laevis</i> . <i>Glycoconjugate Journal</i> , 2002, 19, 187-195.	2.7	7



#	ARTICLE	IF	CITATIONS
127	The directed migration of gonadal distal tip cells in <i>Caenorhabditis elegans</i> requires NGAT-1, a $\beta$ 1,4-N-acetylgalactosaminyltransferase enzyme. <i>PLoS ONE</i> , 2017, 12, e0183049.	2.5	7
128	Life is sweet! A novel role for N-glycans in <i>Drosophila</i> lifespan. <i>Fly</i> , 2011, 5, 18-24.	1.7	6
129	Glycosyltransferases Involved in the Biosynthesis of Protein-Bound Oligosaccharides of the Asparagine-N-Acetyl-D-Glucosamine and Serine(Threonine)-N-Acetyl-D-Galactosamine Types. , 1985, , 227-277.		6
130	Chapter 5 Biosynthesis 4b. Substrate Level Controls for N-Glycan Assembly. <i>New Comprehensive Biochemistry</i> , 1995, 29, 281-286.	0.1	5
131	Bausteine von Oligosacchariden, CX. Synthese von potentiellen Inhibitoren für die $\beta$ 1,4-N-Acetylglucosaminyltransferase I. <i>Liebigs Annalen</i> , 1995, 1995, 67-76.	0.8	5
132	Molecular cloning and expression analysis of a mouse UDP-GlcNAc:Gal( $\beta$ 1-4)Glc(NAc)-R $\beta$ 1,3-N-acetylglucosaminyltransferase homologous to <i>Drosophila melanogaster</i> Brainiac and the $\beta$ 1,3-galactosyltransferase family. <i>Glycoconjugate Journal</i> , 2000, 17, 867-875.	2.7	5
133	Chapter 5 Biosynthesis 1. Introduction. <i>New Comprehensive Biochemistry</i> , 1995, , 123-126.	0.1	3
134	BBA special issue on developmental glycobiology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 199.	2.4	3
135	The functions of paucimannose N-glycans in <i>Caenorhabditis elegans</i> . <i>Trends in Glycoscience and Glycotechnology</i> , 2009, 21, 131-148.	0.1	3
136	Complex NGlycans - When, Why?. <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 447-462.	0.1	3
137	The Control of Glycoprotein Synthesis. , 1979, , 575-596.		2
138	N-Acetylglucosaminyltransferase-II. , 2002, , 70-79.		2
139	Deficient glycoprotein glycosylation in humans and mice. , 2005, , 157-198.		2
140	DIRECT VERSUS TRACER MEASUREMENT OF TRANSFER RATES IN A HYDRODYNAMIC SYSTEM CONTAINING A COMPARTMENT WHOSE CONTENTS DO NOT INTERMIX RAPIDLY. <i>Canadian Journal of Biochemistry and Physiology</i> , 1955, 33, 940-947.	0.5	1
141	Oligosaccharide Conformation and the Control of Oligosaccharide Assembly. , 1982, , 255-262.		1
142	[36] 2-Keto-3-deoxy-l-fuconate dehydrogenase from pork liver. <i>Methods in Enzymology</i> , 1982, 89 Pt D, 219-225.	1.0	0
143	Glycosyltransferases Involved in N-Glycan Synthesis. , 1999, , 37-67.		0
144	Walter Thomas James Morgan: 1900â€“2003. <i>Glycoconjugate Journal</i> , 2003, 20, 1-3.	2.7	0

#	ARTICLE	IF	CITATIONS
145	Preface to the Special Issue, "Lower Organisms: Essential to Comparative Glycomics", Trends in Glycoscience and Glycotechnology, 2001, 13, 445-446.	0.1	0
146	Enzymatic Control of Oligosaccharide Branching During Synthesis of Membrane Glycoproteins. , 1983, , 177-195.		0