Harry Schachter

List of Publications by Year
in descending order

146 papers	8,367 citations	44069 48 h-index	51608 86 g-index
150 all docs	150 docs citations	150 times ranked	3201 citing authors

#	Article	IF	Citations
1	Ablation of N-acetylglucosaminyltransferases in Caenorhabditis induces expression of unusual intersected and bisected N-glycans. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2191-2203.	2.4	12
2	The directed migration of gonadal distal tip cells in Caenorhabditis elegans requires NGAT-1, a ÃŸ1,4-N-acetylgalactosaminyltransferase enzyme. PLoS ONE, 2017, 12, e0183049.	2.5	7
3	Complex N-glycans: the story of the â€œyellow brick roadâ€. Glycoconjugate Journal, 2014, 31, 1-5.	2.7	18
4	ISPD loss-of-function mutations disrupt dystroglycan O-mannosylation and cause Walker-Warburg syndrome. Nature Genetics, 2012, 44, 575-580.	21.4	212
5	Suppression of Cancer Progression by MGAT1 shRNA Knockdown. PLoS ONE, 2012, 7, e43721.	2.5	47
6	Life is sweet! A novel role for N-glycans in Drosophila lifespan. Fly, 2011, 5, 18-24.	1.7	6
7	O -Mannosyl Phosphorylation of Alpha-Dystroglycan Is Required for Laminin Binding. Science, 2010, 327, 88-92.	12.6	312
8	Neuronal expression of Mgat1 rescues the shortened life span of Drosophila Mgat11 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
9	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
10	The functions of paucimannose N-glycans in Caenorhabditis elegans. Trends in Glycoscience and Glycotechnology, 2009, 21, 131-148.	0.1	3
11	Paucimannose N-glycans in Caenorhabditis elegans and Drosophila melanogaster. Carbohydrate Research, 2009, 344, 1391-1396.	2.3	43
12	Glycosylation diseases: Quo vadis?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 925-930.	3.8	93
13	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
14	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
15	Inhibition of the Sodium/Potassium ATPase Impairs N-Glycan Expression and Function. Cancer Research, 2008, 68, 6688-6697.	0.9	54
16	Mild POMGnT1 Mutations Underlie a Novel Limb-Girdle Muscular Dystrophy Variant. Archives of Neurology, 2008, 65, 137-41.	4.5	73
17	Walker-Warburg syndrome. Orphanet Journal of Rare Diseases, 2006, 1, 29.	2.7	100
18	Carriers and patients with muscleâ€“eyeâ€“brain disease can be rapidly diagnosed by enzymatic analysis of fibroblasts and lymphoblasts. Neuromuscular Disorders, 2006, 16, 132-136.	0.6	22

#	Article	IF	Citations
19	Nâ€Glycans Are Involved in the Response of Caenorhabditis elegans to Bacterial Pathogens. Methods in Enzymology, 2006, 417, 359-389.	1.0	39
20	Null Mutations in Drosophila N-Acetylglucosaminyltransferase I Produce Defects in Locomotion and a Reduced Life Span. Journal of Biological Chemistry, 2006, 281, 12776-12785.	3.4	80
21	Identification of the hydrophobic glycoproteins of Caenorhabditis elegans. Glycobiology, 2005, 15, 952-964.	2.5	40
22	The search for glycan function: Fucosylation of the TGF-Â1 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
23	Deficient glycoprotein glycosylation in humans and mice. , 2005, , 157-198.		2
24	LARGE can functionally bypass Î±-dystroglycan glycosylation defects in distinct congenital muscular dystrophies. Nature Medicine, 2004, 10, 696-703.	30.7	253
25	Protein glycosylation lessons from Caenorhabditis elegans. Current Opinion in Structural Biology, 2004, 14, 607-616.	5.7	49
26	A method for proteomic identification of membrane-bound proteins containing Asn-linked oligosaccharides. Analytical Biochemistry, 2004, 332, 178-186.	2.4	42
27	Caenorhabditis elegans triple null mutant lacking UDP-N-acetyl-D-glucosamine:Î±-3-D-mannoside Î²1,2-N-acetylglucosaminyltransferase I. Biochemical Journal, 2004, 382, 995-1001.	3.7	55
28	Walter Thomas James Morgan: 1900â€“2003. Glycoconjugate Journal, 2003, 20, 1-3.	2.7	0
29	The role of defective glycosylation in congenital muscular dystrophy. Glycoconjugate Journal, 2003, 20, 291-300.	2.7	27
30	Enzymatic diagnostic test for Muscle-Eye-Brain type congenital muscular dystrophy using commercially available reagents. Clinical Biochemistry, 2003, 36, 339-344.	1.9	54
31	Isolation of null alleles of the Caenorhabditis elegans gly-12, gly-13 and gly-14 genes, all of which encode UDP-GlcNAc: Î±-3-D-mannoside Î²1,2-N-acetylglucosaminyltransferase I activity. Biochimie, 2003, 85, 391-401.	2.6	11
32	Use of Synthetic Oligosaccharide Substrate Analogs to Map the Active Sites of N-Acetylglucosaminyltransferases I and II. Methods in Enzymology, 2003, 363, 459-475.	1.0	11
33	Synthesis of paucimannose N-glycans by Caenorhabditis elegans requires prior actions of UDP-N-acetyl-d-glucosamine:alpha-3-d-mannoside beta1,2-N-acetylglucosaminyltransferase I, alpha3,6-mannosidase II and a specific membrane-bound beta-N-acetylglucosaminidase. Biochemical Journal, 2003, 372, 53-64.	3.7	50
34	Cloning and expression of a novel UDP-GlcNAc:Î±-d-mannoside Î²1,2-N-acetylglucosaminyltransferase homologous to UDP-GlcNAc:Î±-3-d-mannoside Î²1,2-N-acetylglucosaminyltransferase I. Biochemical Journal, 2002, 361, 153.	3.7	43
35	Cloning and expression of a novel UDP-GlcNAc:Î±-d-mannoside Î²1,2-N-acetylglucosaminyltransferase homologous to UDP-GlcNAc:Î±-3-d-mannoside Î²1,2-N-acetylglucosaminyltransferase I. Biochemical Journal, 2002, 361, 153-162.	3.7	56
36	UDP-N-acetylglucosamine:Î±-3-d-mannoside Î²-1,2-N-acetylglucosaminyltransferase I and UDP-N-acetylglucosamine:Î±-6-d-mannoside Î²-1,2-N-acetylglucosaminyltransferase II in Caenorhabditis elegans. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 271-279.	2.4	35

#	Article	IF	Citations
37	The role of the GlcNAcÎ²1,2Manî±- moiety in mammalian development. Null mutations of the genes encoding UDP-N-acetylglucosamine:Î±-3-d-mannoside Î²-1,2-N-acetylglucosaminyltransferase I and UDP-N-acetylglucosamine:Î±-d-mannoside Î²-1,2-N-acetylglucosaminyltransferase I.2 cause embryonic lethality and congenital muscular dystrophy in mice and men, respectively. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 368-380.	2.4	13
38	Mice with a homozygous deletion of the Mgat2 gene encoding UDP-N-acetylglucosamine:Î±-6-d-mannoside Î²1,2-N-acetylglucosaminyltransferase II: a model for congenital disorder of glycosylation type IIa. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 301-311.	2.4	41
39	BBA special issue on developmental glycobiology. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 199.	2.4	3
40	Functional post-translational proteomics approach to study the role of N-glycans in the development of Caenorhabditis elegans. Biochemical Society Symposia, 2002, 69, 1-21.	2.7	24
41	Two closely related forms of UDP-GlcNAc: Â6-D-mannoside Â1,2-N-acetylglucosaminyltransferase II occur in the clawed frog Xenopus laevis. Glycoconjugate Journal, 2002, 19, 187-195.	2.7	7
42	N-Acetylglucosaminyltransferase-II. , 2002, , 70-79.		2
43	Glycoconjugate abnormalities in patients with congenital dyserythropoietic anaemia type I, II and III. British Journal of Haematology, 2001, 114, 907-913.	2.5	13
44	Cloning and Expression of Drosophila melanogaster UDP-GlcNAc:?-3-D-Mannoside ? 1,2-N-Acetylglucosaminyltransferase I. Biological Chemistry, 2001, 382, 209-17.	2.5	48
45	The clinical relevance of glycobiology. Journal of Clinical Investigation, 2001, 108, 1579-1582.	8.2	22
46	Complex NGlycans - When, Why?. Trends in Glycoscience and Glycotechnology, 2001, 13, 447-462.	0.1	3
47	Preface to the Special Issue, â€œLower Organisms: Essential to Comparative Glycomicsâ€. Trends in Glycoscience and Glycotechnology, 2001, 13, 445-446.	0.1	0
48	Regulation of expression of the human Î²-1,2-N-acetylglucosaminyltransferase II gene (MGAT2) by Ets transcription factors. Biochemical Journal, 2000, 347, 511.	3.7	12
49	Regulation of expression of the human Î²-1,2-N-acetylglucosaminyltransferase II gene (MGAT2) by Ets transcription factors. Biochemical Journal, 2000, 347, 511-518.	3.7	11
50	Molecular cloning and expression analysis of a mouse UDP-GlcNAc:Gal(beta1-4)Glc(NAc)-R beta1,3-N-acetylglucosaminyltransferase homologous to Drosophila melanogaster Brainiac and the beta1,3-galactosyltransferase family. Glycoconjugate Journal, 2000, 17, 867-875.	2.7	5
51	The joys of HexNAc. The synthesis and function of N- and O-glycan branches. , 2000, 17, 465-483.		145
52	Expression of Three Caenorhabditis elegans N-Acetylglucosaminyltransferase I Genes during Development. Journal of Biological Chemistry, 1999, 274, 288-297.	3.4	72
53	Glycosyltransferases Involved in N-Glycan Synthesis. , 1999, , 37-67.		0
54	Molecular Basis of Glycoconjugate Disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 61-62.	3.8	13

#	Article	IF	Citations
55	Carbohydrate-deficient glycoprotein syndrome type II. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 179-192.	3.8	41
56	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
57	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
58	Defective Glycosyltransferases are Not Good for Your Health. Advances in Experimental Medicine and Biology, 1998, 435, 9-27.	1.6	8
59	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	11
60	Isolation, characterization and inactivation of the mouse Mgat3 gene: the bisecting N-acetylglucosamine in asparagine-linked oligosaccharides appears dispensable for viability and reproduction. Glycobiology, 1997, 7, 45-56.	2.5	96
61	Organization of the human Î²-1,2-N-acetylglucosaminyltransferase I gene (MGAT1), which controls complex and hybrid N-glycan synthesis. Biochemical Journal, 1997, 321, 465-474.	3.7	42
62	Expression of stable human O-glycan core 2 Î²-1,6-N-acetylglucosaminyltransferase in Sf9 insect cells. Biochemical Journal, 1997, 325, 63-69.	3.7	50
63	Activity of UDP-GlcNAc:GlcNAcÎ²1â†'6(GlcNAcÎ²1â†') ManÎ±1â†'R[GlcNAc to Man]Î²1â†'4N- Acetylglucosaminyltransferase VI (GnT VI) from the Ovaries ofOryzias latipes(Medaka Fish). Biochemical and Biophysical Research Communications, 1997, 230, 533-536.	2.1	12
64	Chapter 16b Carbohydrate-deficient glycoprotein syndrome. New Comprehensive Biochemistry, 1996, 30, 457-467.	0.1	10
65	Identification of a GDP-Fuc:Gal?1?3GalNAc-R (Fuc to Gal)?1?2 fucosyltransferase and a GDP-Fuc:Gal?1?4GlcNAc (Fuc to GlcNAc)?1?3 fucosyltransferase in connective tissue of the snailLymnaea stagnalis. Glycoconjugate Journal, 1996, 13, 107-113.	2.7	15
66	Molecular Cloning and Expression of cDNA Encoding the Rat UDP-N-Acetylglucosamine:Î±-6-D-Mannoside Î²-1,2-N-Acetylglucosaminyltransferase II. Journal of Biological Chemistry, 1995, 270, 15211-15221.	3.4	57
67	Chapter 5 Biosynthesis 1. Introduction. New Comprehensive Biochemistry, 1995, , 123-126.	0.1	3
68	Chapter 5 Biosynthesis 2c. Glycosyltransferases Involved in the Synthesis of N-Glycan Antennae. New Comprehensive Biochemistry, 1995, , 153-199.	0.1	18
69	Chapter 5 Biosynthesis 4b. Substrate Level Controls for N-Glycan Assembly. New Comprehensive Biochemistry, 1995, 29, 281-286.	0.1	5
70	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). FEBS Journal, 1995, 230, 797-805.	0.2	70
71	Identification of a Novel UDP-GalNAc:GlcNAcbeta-R beta1-4 N-Acetylgalactosaminyltransferase from the Albumen Gland and Connective Tissue of the Snail Lymnaea stagnalis. FEBS Journal, 1995, 227, 175-185.	0.2	34
72	In the Biosynthesis of Nâ€Glycans in Connective Tissue of the Snail Lymnaea Stagnalis of Incorporation GlcNAc by Î²2GlcNAcâ€transferase I is an essential prerequisite for the action of Î²2GlcNAcâ€transferase II and Î²2Xylâ€transferase. FEBS Journal, 1995, 232, 272-283.	0.2	34

#	Article	IF	Citations
73	Bausteine von Oligosacchariden, CIX. Synthese von modifizierten Oligosacchariden der Nâ€Glycoproteine zur Untersuchung der SubstratspezifitÃt der Nâ€Acetylglucosaminyltransferase I. Liebigs Annalen, 1995, 1995, 53-66.	0.8	9
74	Bausteine von Oligosacchariden, CX. Synthese von potentiellen Inhibitoren fÃ¼r die Nâ€Acetylglucosaminyltransferase I. Liebigs Annalen, 1995, 1995, 67-76.	0.8	5
75	Synthesis of pentasaccharide analogues of the N-glycan substrates of N-acetylglucosaminyltransferases III, IV and V using tetrasaccharide precursors and recombinant Î²-(1 â†') Tj ETQq1 1 0.784314 rgBT /O	1.3	14
76	Synthetic substrate analogues for UDP-GlcNAc: Man?1-3R ?1-2-N-acetylglucosaminyltransferase I. Substrate specificity and inhibitors for the enzyme. Glycoconjugate Journal, 1995, 12, 747-754.	2.7	25
77	Insertion intoAspergillus nidulans of functional UDP-GlcNAc: ?3-d-mannoside ?-1,2-N-acetylglucosaminyltransferase I, the enzyme catalysing the first committed step from oligomannose to hybrid and complex N-glycans. Glycoconjugate Journal, 1995, 12, 360-370.	2.7	37
78	Substrate specificity and inhibition of UDP-GlcNAc:GlcNAc?1-2Man?1-6R ?1,6-N-acetylglucosaminyltransferase V using synthetic substrate analogues. Glycoconjugate Journal, 1995, 12, 371-379.	2.7	34
79	The human UDPâ€Nâ€Acetylglucosamine:Î±â€6â€<scp>d</scp>â€Mannosideâ€Î²â€1,2â€Nâ€Acetylglucosaminyltransferase II Gene (MGAT2). FEBS Journal, 1995, 231, 317-328.	0.2	8
80	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. FEBS Journal, 1995, 231, 317-328.	0.2	78
81	Synthetic substrate analogues for UDP-GlcNAc: ManÎ±1-6R Î²(1-2)-N-acetylglucosaminyltransferase II. Substrate specificity and inhibitors for the enzyme. Glycoconjugate Journal, 1994, 11, 210-216.	2.7	41
82	Synthesis of tetrasaccharide analogues of the N-glycan substrate of Î²-(1 â†') Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (2)-N-acetylgl	2.3	34
83	Molecular cloning and characterization of the mouse UDP-N-acetylglucosamine:Î±-3-d-mannoside Î²-1,2-N-acetylglucosaminyltransferase I gene. Genomics, 1992, 12, 699-704.	2.9	71
84	Control of glycoprotein synthesis: substrate specificity of rat liver UDP-GlcNAc:Man?3R ?2-N-acetylglucosaminyl-transferase I using synthetic substrate analogues. Glycoconjugate Journal, 1992, 9, 180-190.	2.7	49
85	Control of glycoprotein synthesis. Characterization of (1 â†' 4)-N-acetyl-Î²-d-glucosaminyltransferases acting on the Î±-d-(1 â†' 3)- and Î±-d-(1 â†' 6)-linked arms of N-linked oligosaccharides. Carbohydrate Research, 1992, 236, 281-299.	2.3	32
86	Branching of N- and O-Glycans: Biosynthetic Controls and Functions.. Trends in Glycoscience and Glycotechnology, 1992, 4, 241-250.	0.1	10
87	Enzymes associated with glycosylation. Current Opinion in Structural Biology, 1991, 1, 755-765.	5.7	73
88	GDP-fucose: beta-N-acetylglucosamine (Fuc to (Fucalpha1 6GlcNAc)-Asn-peptide) alpha1 3-fucosyltransferase activity in honeybee (Apis mellifica) venom glands. The difucosylation of asparagine-bound N-acetylglucosamine. FEBS Journal, 1991, 199, 745-751.	0.2	49
89	Identification of a novel UDP-Gal:GalNAcbeta1-4GlcNAc-R. beta1-3-galactosyltransferase in the connective tissue of the snail Lymnaea stagnalis. FEBS Journal, 1991, 201, 459-465.	0.2	24
90	The â€˜yellow brick roadâ€™ to branched complex N-glycans. Glycobiology, 1991, 1, 453-461.	2.5	201

#	Article	IF	Citations
91	[30] High-performance liquid chromatography assays for N-acetylglucosaminyltransferases involved in N- and O-glycan synthesis. Methods in Enzymology, 1989, 179, 351-397.	1.0	67
92	N-acetylglucosaminyltransferase substrates prepared from glycoproteins by hydrazinolysis of the asparagine-N-acetylglucosamine linkage. Purification and structural determination of oligosaccharides with mannose andN-acetylglucosamine at the non-reducing termini. Glycoconjugate Journal, 1988, 5, 419-448.	2.7	27
93	The biosynthesis of highly branched N-glycans: studies on the sequential pathway and functional role of N-actylglucosaminyltransferases I, II, III, IV, V and VI. Biochimie, 1988, 70, 1521-1533.	2.6	88
94	Control of glycoprotein synthesis. The use of oligosaccharide substrates and HPLC to study the sequential pathway for N-acetylglucosaminyltransferases I, II, III, IV, V, and VI in the biosynthesis of highly branched N-glycans by hen oviduct membranes. Biochemistry and Cell Biology, 1988, 66, 1134-1151.	2.0	108
95	Identification of terminal N-acetylglucosamine residues of highly branched asparagine-linked oligosaccharides as immunoreactive domains of a chicken heterophile antigenic determinant. Molecular Immunology, 1987, 24, 765-771.	2.2	7
96	Biosynthetic controls that determine the branching and microheterogeneity of protein-bound oligosaccharides. Biochemistry and Cell Biology, 1986, 64, 163-181.	2.0	550
97	Golgi and Secreted Galactosyltransferas. Critical Reviews in Biochemistry, 1986, 21, 119-151.	7.5	92
98	The effect of a â€œbisectingâ€•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. Carbohydrate Research, 1986, 149, 65-83.	2.3	91
99	Mucin synthesis. Conversion of R1-beta1-3Gal-R2 to R1-beta-3(GlcNAcbeta1-6)Gal-R2 and of R1-beta1-3GalNAc-R2 to R1-beta1-3(GlcNAcbeta1-6)GalNAc-R2 by a beta6-N-acetylglucosaminyltransferase in pig gastric mucosa. FEBS Journal, 1986, 157, 463-474.	0.2	63
100	Biosynthetic Controls That Determine the Branching and Microheterogeneity of Protein-Bound Oligosaccharides. Advances in Experimental Medicine and Biology, 1986, 205, 53-85.	1.6	355
101	Control of glycoprotein synthesis. Bovine milk UDPgalactose:N-acetylglucosamine 4-.beta.-galactosyltransferase catalyzes the preferential transfer of galactose to the GlcNAc.beta.l1,2Man.alpha.1,3- branch of both bisected and nonbisected complex biantennary asparagine-linked oligosaccharides. Biochemistry, 1985, 24, 1694-1700.	2.5	72
102	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. Biochemistry, 1985, 24, 1866-1874.	2.5	118
103	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
104	Glycoproteins: their structure, biosynthesis and possible clinical implications. Clinical Biochemistry, 1984, 17, 3-14.	1.9	86
105	Decreased UDP-GlcNAc:GlycopeptideÎ²-2-N-Acetylglucosaminyltransferase II activity in a ricin-resistant mutant of baby hamster kidney (BHK) cells. Glycoconjugate Journal, 1984, 1, 51-61.	2.7	9
106	Control of glycoprotein synthesis. IX. A terminal ManÎ±1-3ManÎ²1- sequence in the substrate is the minimum requirement for UDP-N-acetyl-<scp>D</scp>-glucosamine:Î±-<scp>D</scp>- mannoside (GlcNAc to ManÎ±1-3) Î²2-N-acetylglucosaminyltransferase I. Canadian Journal of Biochemistry and Cell Biology, 1984, 62, 409-417.	1.3	62
107	Mucin synthesis. The action of pig gastric mucosal UDP-GlcNAc:GalÎ²1-3(R1)GalNAc-R2 (GlcNAc to Gal) Î²3-N-acetylglucosaminyltransferase on high molecular weight Substrates. Canadian Journal of Biochemistry and Cell Biology, 1984, 62, 1081-1090.	1.3	25
108	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

#	Article	IF	Citations
109	Mucin synthesis. III. UDP-GlcNAc:GalÎ²1-3(GlcNAcÎ²1-6)GalNAc-R (GlcNAc to Gal) Î²3-N-acetylglucosaminyltransferase, an enzyme in porcine gastric mucosa involved in the elongation of mucin-type oligosaccharides. Canadian Journal of Biochemistry and Cell Biology, 1983, 61, 1322-1333.	1.3	50
110	Control of branching during the biosynthesis of asparagine-linked oligosaccharides. Canadian Journal of Biochemistry and Cell Biology, 1983, 61, 1049-1066.	1.3	184
111	[10] Glycosyltransferases involved in elongation of N-glycosidically linked oligosaccharides of the complex or N-acetyllactosamine type. Methods in Enzymology, 1983, 98, 98-134.	1.0	39
112	Enzymatic Control of Oligosaccharide Branching During Synthesis of Membrane Glycoproteins. , 1983, , 177-195.		0
113	[36] 2-Keto-3-deoxy-l-fuconate dehydrogenase from pork liver. Methods in Enzymology, 1982, 89 Pt D, 219-225.	1.0	0
114	Product-identification and substrate-specificity studies of the GDP-l-fucose: 2-acetamido-2-deoxy-Î²-d-glucoside (fucâ†'asn-linked GlcNAc) 6-Î±-l-fucosyltransferase in a golgi-rich fraction from porcine liver. Carbohydrate Research, 1982, 100, 365-392.	2.3	193
115	Oligosaccharide Conformation and the Control of Oligosaccharide Assembly. , 1982, , 255-262.		1
116	Tissue distribution of sulfolipids in the rat. Restricted location of sulfatoxygalactosylacylalkylglyerol. Canadian Journal of Biochemistry, 1981, 59, 556-563.	1.4	28
117	Mammalian Glycosyltransferases. , 1980, , 85-160.		95
118	A structural basis for four distinct elution profiles on concanavalin A â€“ Sepharose affinity chromatography of glycopeptides. Canadian Journal of Biochemistry, 1979, 57, 83-96.	1.4	212
119	The Control of Glycoprotein Synthesis. , 1979, , 575-596.		2
120	Biosynthesis and Catabolism of Glycoproteins. ACS Symposium Series, 1978, , 21-46.	0.5	7
121	The Structure and Biosynthesis of Membrane Glycoproteins. Current Topics in Membranes and Transport, 1978, 11, 15-105.	0.6	26
122	Glycoprotein Biosynthesis. , 1978, , 87-181.		23
123	The control of glycoprotein synthesis: N-acetylgluocosamine linkage to a mannose residue as a signal for the attachment of L-fucose to the asparagine-linked N-acetylglucosamine residue of glycopeptide from Î±1-acid glycoprotein. Biochemical and Biophysical Research Communications, 1976, 72, 909-916.	2.1	176
124	Intracellular localization of GDP-l-fucose: Glycoprotein and CMP-sialic acid: Apolipoprotein glycosyltransferases in rat and pork livers. Archives of Biochemistry and Biophysics, 1975, 169, 269-277.	3.0	82
125	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
126	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

#	Article	IF	Citations
127	The presence of two GDP-l-fucose:Glycoprotein fucosyltransferases in human serum. Archives of Biochemistry and Biophysics, 1973, 156, 534-542.	3.0	73
128	Stimulation of Rat Liver Microsomal UDP-N-acetylglucosamine: Glycoprotein N-acetylglucosaminyltransferase by Carboxymethylcysteine-ribonuclease A. Canadian Journal of Biochemistry, 1973, 51, 101-105.	1.4	7
129	THE BIOSYNTHESIS OF ANIMAL GLYCOPROTEINS. , 1973, , 1-149.		27
130	Evidence for Two CMP-N-acetylneuraminic Acid: Lactose Sialyltransferases in Rat, Porcine, Bovine, and Human Liver. Canadian Journal of Biochemistry, 1972, 50, 1024-1028.	1.4	43
131	<scp>L</scp>-Fucose Metabolism in Mammals. I. Pork Liver <scp>L</scp>-Fuconate Hydro-lyase. Canadian Journal of Biochemistry, 1972, 50, 798-806.	1.4	14
132	The Levels of Nucleotide-Sugar: Glycoprotein Sialyl- and N-Acetyl-glucosaminyltransferases in Normal and Pathological Human Sera. Canadian Journal of Biochemistry, 1972, 50, 738-740.	1.4	53
133	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. III. Blood Serum and Liver N-Acetylglucosaminyltransferase. Canadian Journal of Biochemistry, 1971, 49, 847-852.	1.4	22
134	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. I. Blood Serum and Liver Sialyltransferase. Canadian Journal of Biochemistry, 1971, 49, 829-837.	1.4	83
135	A quantitative difference in the activity of blood group A-specific N-acetylgalactosaminyltransferase in serum from A1 and A2 human subjects. Biochemical and Biophysical Research Communications, 1971, 45, 1011-1018.	2.1	103
136	Porcine Sugar Nucleotide: Glycoprotein Glycosyltransferases. II. Blood Serum and Liver Galactosyltransferase. Canadian Journal of Biochemistry, 1971, 49, 838-846.	1.4	42
137	Sialic Acids. Journal of Biological Chemistry, 1971, 246, 5321-5328.	3.4	118
138	Pork Liver Guanosine Diphosphate-l-Fucose Glycoprotein Fucosyltransferases. Journal of Biological Chemistry, 1971, 246, 5154-5161.	3.4	72
139	Intracellular Localization of Liver Sugar Nucleotide Glycoprotein Glycosyltransferases in a Golgi-rich Fraction. Journal of Biological Chemistry, 1970, 245, 1090-1100.	3.4	598
140	THE INCORPORATION OF¹⁴C-THREONINE AND¹⁴C-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
141	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
142	Biosynthesis of Glycoprotein by Liver. Journal of Biological Chemistry, 1966, 241, 5408-5418.	3.4	163
143	The Inhibition of Rat Liver Polyribosome Breakdown in the Presence of Liver Supernatant. Journal of Biological Chemistry, 1966, 241, 1835-1839.	3.4	62
144	Preferential Oxidation of the Methionine Residue near the Active Site of Chymotrypsin. Journal of Biological Chemistry, 1964, 239, 813-829.	3.4	49

#	Article	IF	Citations
145	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
146	DIRECT VERSUS TRACER MEASUREMENT OF TRANSFER RATES IN A HYDRODYNAMIC SYSTEM CONTAINING A COMPARTMENT WHOSE CONTENTS DO NOT INTERMIX RAPIDLY. Canadian Journal of Biochemistry and Physiology, 1955, 33, 940-947.	0.5	1