Blood group ABH and Ii antigens of human erythrocytes: chemistry, polymorphism, and their developmental change

DOI: PM/6782678
Seminars in Hematology, 1981, 18, 39-62.

#	Paper	IF	Citations
226	Membrane differentiation in human myeloid cells: expression of unique profiles of cell surface glycoproteins in myeloid leukemic cell lines blocked at different stages of differentiation and maturation. **1981**, 78, 6299-303		67
225	Glycosphingolipids of K562 cells: a chemical and immunological analysis. **1981**, 28, 271-6		25
224	Possible role of ceramide in defining structure and function of membrane glycolipids. **1982**, 79, 3470-4		126
223	Chemical fingerprinting of non-acid glycosphingolipids in meconium of a human individual of blood group B Le(a-b+) and secretor. **1982**, 712, 274-82		9
222	Decreased glycosylation of band 3 and band 4.5 glycoproteins of erythrocyte membrane in congenital dyserythropoietic anaemia type II. **1982**, 51, 569-76		47
221	Horse anti-type XIV Pneumococcus sera behave as cold agglutinins recognizing developmentally regulated antigens apart from the Ii antigens on human erythrocytes. **1982**, 43, 253-8		4
220	Antigenicity, storage, and aging: physiologic autoantibodies to cell membrane and serum proteins and the senescent cell antigen. **1982**, 49, 65-85		42
219	Immunochemical properties of human plasma alpha 1 leads to 2 fucosyltransferase specified by blood group H-gene. **1983**, 10, 349-60		12
218	A multiplicity of erythrocyte glycolipids of the neolacto series revealed by immuno-thin-layer chromatography with monoclonal anti-I and anti-i antibodies. **1983**, 3, 577-88		38
217	Two mouse hybridoma antibodies against human milk-fat globules recognise the I(Ma) antigenic determinant beta-D-Galp-(1 leads to 4)-beta-D-GlcpNAc-(1 leads to 6). **1983**, 120, 293-302		47
216	The distribution of and the biochemical and serological relationships between the I/i and ABH blood group antigens of the human erythrocyte membrane as determined by immunoelectrophoretic techniques. **1983**, 4, 53-62		7
215	Modulation of K562 cells with sodium butyrate. Association of impaired NK susceptibility with sialic acid and analysis of other parameters. **1983**, 32, 71-8		41
214	Immunohistochemistry of two glycolipid tissue antigens in human gastric carcinoma. **1983**, 52, 2072-6		6
213	Structure and blood-group I activity of poly(glycosyl)-ceramides. **1983**, 120, 113-30		25
212	Characterization of an epitope (determinant) structure in a developmentally regulated glycolipid antigen defined by a cold agglutinin Fl, recognition of alpha-sialosyl and alpha-L-fucosyl groups in a branched structure. **1983**, 120, 143-57		36
211	Sera of i subjects have the capacity to synthesize the branched GlcNAc beta (1 leads to 6)[GlcNAc(beta 1 leads to 3)]Gal ... structure. **1983**, 163, 114-8		13
210	Isolation and characterization of an endo-beta-galactosidase from Bacteroides fragilis. **1983**, 213, 485-94		74

209	Glycosyltransferases involved in elongation of N-glycosidically linked oligosaccharides of the complex or N-acetyllactosamine type. **1983**, 98, 98-134	33
208	Species differences in the expression of carbohydrate differentiation antigens on mammalian blood cells revealed by immunofluorescence with monoclonal antibodies. **1984**, 4, 673-85	40
207	The distribution of blood group antigens in rodent epithelia. **1984**, 237, 111-6	26
206	Pattern of distribution of blood group antigens on human epidermal cells during maturation. **1984**, 82, 13-7	61
205	Effect of ABO group, secretor status and sex on cold hemagglutinins in normal adults. **1984**, 46, 75-9	5
204	Cold agglutinin Vo. An IgM lambda monoclonal human antibody recognizing a sialic acid determined antigen fully expressed on newborn erythrocytes. **1984**, 47, 236-41	22
203	Regional variations of cell surface carbohydrates in human oral stratified epithelium. **1984**, 25, 221-8	39
202	Changes in the expression of blood-group carbohydrates during oral mucosal development in human fetuses. **1984**, 27, 221-8	18
201	Purification and structures of branched blood-group-B-active glycosphingolipids from human erythrocyte membranes. **1984**, 145, 531-42	49
200	Serum cold agglutinin and IgM levels in breast carcinoma. **1984**, 4, 105-8	7
199	Autoimmune hemolytic anemia by coexisting anti-I and anti-Fl cold agglutinins. **1984**, 49, 363-8	5
198	Blood group H antigen with globo-series structure. Isolation and characterization from human blood group O erythrocytes. **1984**, 175, 397-401	41
197	Differentiation of human erythroid cells is associated with increased O-glycosylation of the major sialoglycoprotein, glycophorin A. **1984**, 81, 6752-6	63
196	Repetitive A epitope (type 3 chain A) defined by blood group A1-specific monoclonal antibody TH-1: chemical basis of qualitative A1 and A2 distinction. **1985**, 82, 1199-203	158
195	Blood group A cross-reacting epitope defined by monoclonal antibodies NCC-LU-35 and -81 expressed in cancer of blood group O or B individuals: its identification as Tn antigen. **1985**, 82, 7039-43	156
194	Evidence for sialylated type 1 blood group chains on human erythrocyte membranes revealed by agglutination of neuraminidase-treated erythrocytes with Waldenström macroglobulin IgMWOO and hybridoma antibody FC 10.2. **1985**, 48, 26-33	9
193	Rapid purification of anti-I and anti-i cold antibodies by affinity chromatography. **1985**, 49, 49-57	0
192	Biochemical characterisation of A blood group activity on human platelets. **1985**, 49, 149-53	7

191	Glycosphingolipid carriers of carbohydrate antigens of human myeloid cells recognized by monoclonal antibodies. **1985**, 846, 26-36	20
190	Immunochemistry of the Lewis blood-group system: isolation and structures of Lewis-c active and related glycosphingolipids from the plasma of blood-group O Le(a-b-) nonsecretors. **1986**, 246, 655-72	34
189	Separation and partial sequence analysis of blood group A-active oligosaccharides by affinity chromatography using monoclonal antibodies. **1986**, 248, 677-83	17
188	Interaction forces between red cells agglutinated by antibody. II. Measurement of hydrodynamic force of breakup. **1986**, 50, 1117-26	69
187	Specificity of the monoclonal anti-I antibody (Hy). **1986**, 23, 217-20	6
186	A monoclonal antibody defining a binary N-acetyllactosaminyl structure in lactoisooctaosylceramide (IV6Gal beta 1----4GlcNAcnLc6): a useful probe for determining differential glycosylation patterns between normal and transformed human fibroblasts. **1986**, 23, 747-54	31
185	Blood group-related antigens as markers of malignant potential and heterogeneity in human carcinomas. **1986**, 17, 1089-106	99
184	Mouse liver gangliosides. **1986**, 151, 213-23	36
183	N-acetyl-beta-D-glucosaminyltransferases related to the synthesis of mucin-type glycoproteins in human ovarian tissue. **1986**, 149, 241-52	32
182	A hypothesis on the biological role of ABH, lewis and P blood group determinant structures in glycosphingolipids and glycoproteins. **1986**, 3, 95-108	45
181	Membrane antigen expression during hemopoietic differentiation. **1986**, 5, 1-36	5
180	The expression of ABH antigens during in vitro megakaryocyte maturation: origin of heterogeneity of antigen density. **1986**, 62, 587-93	15
179	A human monoclonal IgM kappa cold agglutinin recognizing oligosaccharides with immunodominant sialyl groups preferentially at the blood group M-specific peptide backbone of glycophorins: anti-PrM. **1986**, 51, 207-11	13
178	Site-specific distribution of epithelial cell-surface carbohydrates in rat oral mucosa. **1986**, 31, 35-41	7
177	Studies on chemical modification of cold agglutinin from the snail Achatina fulica. **1987**, 246, 157-61	4
176	Glycolipid core structure switching from globo- to lacto- and ganglio-series during retinoic acid-induced differentiation of TERA-2-derived human embryonal carcinoma cells. **1987**, 122, 21-34	172
175	An immunosorbent assay for blood group I antigens in breast carcinoma. **1987**, 45, 196-207	4
174	The structural relationship of blood group-related oligosaccharides in human carcinoma to biological function: a perspective. **1987**, 6, 541-57	14

173	Expression of ABH and Lewis blood group antigens in combined hepatocellular-cholangiocarcinoma. Possible evidence for the hepatocellular origin of combined hepatocellular-cholangiocarcinoma. **1987**, 60, 345-52	27
172	Connective tissue influences on the expression of epithelial cell-surface antigens. **1987**, 248, 137-41	28
171	Blood group substances as differentiation markers in human dento-gingival epithelium. **1987**, 22, 451-5	19
170	Loss of epithelial cell surface carbohydrates during experimental oral carcinogenesis in the rat. **1987**, 55, 633-8	5
169	Maternal antibodies against fetal blood group antigens A or B: lytic activity of IgG subclasses in monocyte-driven cytotoxicity and correlation with ABO haemolytic disease of the newborn. **1988**, 70, 465-9	21
168	Complement is not activated in ABO-haemolytic disease of the newborn. **1988**, 68, 363-6	26
167	Coexisting anti-I and anti-F1/Gd cold agglutinins in infections by Mycoplasma pneumoniae. **1988**, 55, 176-80	16
166	Cellular localization of blood group antigens (including HLA markers) in human bladder urothelium. **1988**, 32, 57-70	0
165	Blood group antigen staining pattern during experimental carcinogenesis in rat palate. **1988**, 96, 161-7	5
164	Structures of the eight- to nine-sugar glycolipids of human blood group A erythrocytes. **1988**, 178, 111-20	13
163	Analysis of a mouse monoclonal antibody detecting the H type 1 blood group determinant. **1988**, 178, 333-6	4
162	Detection of ABO blood group-active glycolipids extracted from red cell membrane and heat hematoma using TLC-immunostaining. **1988**, 100, 215-21	
161	Effects of alpha-galactosidase digestion on lectin staining in human pancreas. **1988**, 89, 121-8	15
160	Sequential expression of carbohydrate antigens with precursor-product relation characterizes cellular maturation in stratified squamous epithelium. **1988**, 17, 506-11	26
159	Glycolipid-lectin interactions: reactivity of lectins from Helix pomatia, Wisteria floribunda, and Dolichos biflorus with glycolipids containing N-acetylgalactosamine. **1988**, 262, 1-11	82
158	Characterization of a beta 1----3-N-acetylglucosaminyltransferase associated with synthesis of type 1 and type 2 lacto-series tumor-associated antigens from the human colonic adenocarcinoma cell line SW403. **1988**, 260, 461-8	13
157	Region-specific distribution of glycosphingolipids in the rabbit gastrointestinal tract: preferential enrichment of sulfoglycolipids in the mucosal regions exposed to acid. **1988**, 961, 213-222	19
156	Interaction forces between red cells agglutinated by antibody. III. Micromanipulation. **1988**, 53, 677-87	11

155	The two antibody specificities within human anti-blood group B antibodies. **1988**, 2, 112-21	10
154	Comparative studies of the haemagglutination of adult and umbilical cord erythrocytes by animal lectins. **1988**, 91, 657-61	2
153	Human sperm carbohydrate antigens defined by an antisperm human monoclonal antibody derived from an infertile woman bearing antisperm antibodies in her serum. **1988**, 168, 343-56	84
152	Suppression of lymphocyte function with breast carcinoma I-active glycopeptides. **1988**, 17, 19-24	1
151	Automated purification of human protein band 3, the major integral protein of the erythrocyte membrane. **1988**, 18, 293-301	3
150	Lipooligosaccharides (LOS) of Neisseria gonorrhoeae and Neisseria meningitidis have components that are immunochemically similar to precursors of human blood group antigens. Carbohydrate sequence specificity of the mouse monoclonal antibodies that recognize crossreacting antigens on LOS and human erythrocytes. **1988**, 168, 107-26	232
149	ABH blood group antigens in human semen. **1988**, 16, 28-36	5
148	Aberrant glycosylation in tumors and tumor-associated carbohydrate antigens. **1989**, 52, 257-331	861
147	ABH and related histo-blood group antigens; immunochemical differences in carrier isotypes and their distribution. **1989**, 56, 1-20	448
146	Blood group ABH-related antigens in normal and malignant bladder urothelium: possible structural basis for the deletion of type-2 chain ABH antigens in invasive carcinomas. **1989**, 43, 774-80	26
145	Cold agglutination. **1989**, 3, 140-66	103
144	Conversion of ABO blood groups. **1989**, 3, 206-12	41
143	Development of an ABO-ELISA for the quantitation of human blood group anti-A and anti-B IgM and IgG antibodies. **1989**, 118, 37-46	26
142	Neolacto (type-2 chain)-sialoautoantigens recognized by human cold agglutinins. **1990**, 59, 235-9	9
141	Complement is not activated in AB0-hemolytic disease of the newborn: further support. **1990**, 58, 231	1
140	Difference in the ability of blood group-specific lectins and monoclonal antibodies to recognize the ABH antigens in human tissues. **1990**, 22, 604-14	19
139	Heterogeneity of the blood group ABH antigens and variation in the expression of these antigens of secretory granules in human cervical glands. An electron microscopic observation using lectins and monoclonal antibodies. **1990**, 94, 489-96	3
138	Expression of Lewis(a), Lewis(b), and sialated Lewis(a) antigens in early and advanced human gastric cancers. **1990**, 44, 208-13	11

137	Initiation of poly-N-acetyllactosamine chain biosynthesis occurs preferentially on complex multiantennary asparagine-linked oligosaccharides. **1990**, 203, 109-18	9
136	ABO-blood-group-related idiotypic network: mimicry of oligosaccharide epitope by rabbit antiidiotypic antibodies to murine monoclonal anti-A antibody. **1990**, 141, 373-87	2
135	Isolation and characterization of anti-H antibody from egg yolk or immunized hens. **1991**, 20, 569-81	10
134	Deantigenation of human erythrocytes by bacterial glycosidases--evidence for the noninvolvement of medium-sized glycosphingolipids in the Dolichos biflorus lectin hemagglutination. **1991**, 290, 312-9	11
133	Endogenous sialylation of the lipooligosaccharides of Neisseria meningitidis. **1991**, 173, 2823-32	122
132	A developmental switch in B lymphopoiesis. **1991**, 88, 11550-4	221
131	Aberrant glycosylation in oral malignant and premalignant lesions. **1991**, 20, 361-8	29
130	Immunochemical and molecular genetic basis of the histo-blood group ABO(H) and related antigen system. **1991**, 4, 957-74	9
129	Histo-blood group antigens as differentiation markers in testicular germ cell tumours. **1991**, 99, 391-7	3
128	The Lewis X antigen. A new paraffin section marker for Reed-Sternberg cells. **1991**, 67, 1338-46	6
127	C8 binding protein bears I antigenic determinants. **1991**, 62, 64-7	3
126	Anomalous ABO phenotype in a child after an ABO-incompatible liver transplantation. **1992**, 326, 867-70	34
125	The blood group antigen-related glycoepitopes: key structural determinants in immunogenesis and AIDS pathogenesis. **1992**, 39, 212-24	6
124	Histochemical and cytochemical localization of blood group antigens. **1992**, 25, 1-85	25
123	Distribution of cellular carbohydrate moieties in human dysontogenetic brain tumors, especially in craniopharyngioma and epidermoid/dermoid. **1992**, 85, 71-8	2
122	Synthesis of α-Fucosyl glycosides and disaccharides using 4-methoxybenzyl (Mpm) protected fucosyl donors. **1992**, 334, 579-583	13
121	Deficiency of beta 1-6 N-acetylglucosaminyltransferase involved in the biosynthesis of blood group I antigen in the liver of LEC rats. **1992**, 83, 878-84	6
120	The blood group antigens (BGA)-related glycoepitopes. A key structural determinant in immunogenesis and cancer pathogenesis. **1992**, 12, 151-66	14

119	Neuronal influence on B and H human blood-group antigen expression in rat cochlear cultures. **1992**, 269, 13-20	11
118	Primate ABO glycosyltransferases: evidence for trans-species evolution. **1993**, 37, 274-8	48
117	Natural and pathologic human autoimmune responses to carbohydrate antigens on red blood cells. **1993**, 15, 139-53	5
116	Intraspecific blood group properties in the tilapiine species Oreochromis aureus and O. niloticus and the occurrence of soluble blood group substances. **1993**, 9, 18-32	1
115	Protein glycosylation. Structural and functional aspects. **1993**, 218, 1-27	636
114	Immunocytochemical approach to the structure of human blood group B and H glycoconjugate antigens in the three days old rat cochlea. **1993**, 274, 21-6	3
113	An ELISA for blood group specific exoglycosidases. **1993**, 160, 261-6	8
112	Orientation change of glycopeptide in lipid bilayer membrane induced by lectin binding. **1993**, 1145, 33-41	7
111	The emerging role of ABH blood group antigens as modulators of cell membrane function. **1993**, 105, 197-203	6
110	Molecular characterization of a cross-reactive idiotope on human immunoglobulins utilizing the VH4-21 gene segment. **1993**, 178, 1419-28	74
109	Possible interaction between animal lectins and bacterial carbohydrates. **1994**, 236, 231-54	45
108	Synthesis of glycopeptides and neoglycoproteins containing the fucosylated linkage region of N-glycoproteins. **1994**, 2, 1189-201	44
107	H and B human blood-group antigen expression in cochlear hair cells is modulated by thyroxine. **1994**, 276, 239-43	5
106	Glycoconjugates in autoimmunity. **1994**, 1197, 237-55	14
105	Glycoconjugates in autoimmunity. **1994**, 1197, 237-255	12
104	Evaluation of histo-blood group ABO genotyping in a Danish population: frequency of a novel O allele defined as O2. **1994**, 67, 210-5	85
103	Expression of a blood group B antigen-related glycoepitope in human dorsal root ganglion cells. **1994**, 126, 178-83	
102	Expression of alpha-GalNAc glycoproteins by breast cancers. **1995**, 71, 1033-8	38

101	Role of antibody dependent cell mediated cytotoxicity in ABO hemolytic disease of the newborn. **1995**, 62, 587-92		1
100	Neolactoglycosphingolipids, potential mediators of corneal epithelial cell migration. *Journal of Biological Chemistry*, **1995**, 270, 14015-23	5.4	13
99	The lipooligosaccharides of pathogenic gram-negative bacteria. **1996**, 22, 139-80		238
98	A developmental switch in lymphocyte homing receptor and endothelial vascular addressin expression regulates lymphocyte homing and permits CD4+ CD3- cells to colonize lymph nodes. **1996**, 93, 11019-24		202
97	Chapter 7 HEMPAS: A genetic disorder caused by a defect in N-linked oligosaccharide synthesis. **1996**, 30, 299-310		1
96	Characterization of a monoclonal antibody specific for H type 2 structure of ABO blood group, and its use for measuring H type 2 on human red blood cells. **1996**, 10, 144-8		7
95	Ethnic differences in the expression of blood group antigens in the salivary gland secretory cells from German and Japanese non-secretor individuals. **1996**, 13, 537-45		7
94	Structural characterization of blood group A glycosphingolipids recognized by the antibody 3G9-A. **1996**, 13, 487-94		
93	Histochemistry of glycoconjugates of the auditory receptor-functional implications. **1997**, 32, 1-80		6
92	Exclusion of Three Candidate Genes as Determinants of Congenital Dyserythropoietic Anemia Type II (CDA-II). **1997**, 90, 4197-4200		42
91	Natural anti-Gal antibody as a universal augmenter of autologous tumor vaccine immunogenicity. **1997**, 18, 281-5		71
90	Distribution of the CD15 epitope in the mammalian developing lung is opposite in mouse compared with human. **1998**, 63, 43-9		
89	Understanding fetal globin gene expression: a step towards effective HbF reactivation in haemoglobinopathies. **1998**, 102, 415-22		28
88	Characterization of terminal NeuNAcalpha2-3Galbeta1-4GlcNAc sequence in lipooligosaccharides of Neisseria meningitidis. **1998**, 8, 359-65		14
87	Blood group antigen expression in the rat colon I. age-dependent and region-related changes. **2000** , 259, 395-404		2
86	Universal RBCs. **2000**, 40, 1285-9		15
85	The chemistry and immunochemistry of blood group A, B, H, and Lewis antigens: past, present and future. **2000**, 17, 531-41		37
84	MUC-6 mucin is a major component of "blood group substance" from human ovarian cyst fluid. **2000**, 1474, 410-4		9

83	Cord blood megakaryocytes do not complete maturation, as indicated by impaired establishment of endomitosis and low expression of G1/S cyclins upon thrombopoietin-induced differentiation. **2001**, 114, 458-65	27
82	Human platelets express gangliosides with LKE activity and ABH blood group activity. **2001**, 41, 504-16	15
81	Evidence for involvement of a hydrophobic patch in framework region 1 of human V4-34-encoded Igs in recognition of the red blood cell I antigen. **2002**, 169, 3777-82	80
80	ABH blood group antigens in O-glycans of human glycophorin A. **2004**, 429, 145-53	27
79	Biosynthesis of Blood-Group I and i Substances. **2005**, 127, 547-552	59
78	The lipopolysaccharide of Helicobacter mustelae type strain ATCC 43772 expresses the monofucosyl A type 1 histo-blood group epitope. **1997**, 154, 103-9	33
77	Autoimmune Hemolytic Anemias. **2007**, 557-570	5
76	Tumor-associated carbohydrate antigens. **1987**, 16, 196-8	4
75	ABO and Related Antigens and Antibodies. **2007**, 69-79	3
74	Integral Proteins of the Erythrocyte Membrane. **2008**, 81	
73	Noroviruses distinguish between type 1 and type 2 histo-blood group antigens for binding. **2008**, 82, 10756-67	131
72	Relation of blood group carbohydrates to differentiation patterns of normal and pathological odontogenic epithelium. **1985**, 93, 25-34	5
71	Changes of blood group antigens in premalignant and malignant lesions of the human exocervix. **1985**, 93, 149-51	1
70	Distribution of type 1 and 2 blood group chains in normal and pathological odontogenic epithelium defined by monoclonal antibodies specific for Lea and H type 2. **1985**, 93, 265-76	
69	Co-expression of CD173 (H2) and CD174 (Lewis Y) with CD44 suggests that fucosylated histo-blood group antigens are markers of breast cancer-initiating cells. **2010**, 456, 403-9	20
68	Biosynthesis of blood-group-I and -i antigens. A specific assay for a developmentally regulated β-N-acetylglucosaminyltransferase. Application to normal and malignant hematopoietic cells. **2010**, 108, 369-373	3
67	Association of ABO(H) and I blood group system development with von Willebrand factor and Factor VIII plasma levels in children and adolescents. **2010**, 50, 1571-80	34
66	Glycosphingolipids as mediators of phenotypic changes associated with development and cancer progression. **2010**, 147, 3-8	8

65	The structural basis of blood group A-related glycolipids in an A3 red cell phenotype and a potential explanation to a serological phenomenon. **2011**, 21, 162-74	12
64	Norovirus recognition sites on histo-blood group antigens. **2012**, 3, 177	5
63	Attenuation of fibroblast growth factor signaling by poly-N-acetyllactosamine type glycans. **2013**, 587, 3195-201	6
62	ABO, H, and Lewis Systems. **2013**, 11-95	12
61	Anti-Gal Comprises Most of Anti-Blood Group B Antibodies. **2018**, 45-55	
60	Biology of Erythropoiesis, Erythroid Differentiation, and Maturation. **2018**, 297-320.e14	1
59	Predictive modeling of complex ABO glycan phenotypes by lectin microarrays. **2020**, 4, 3960-3970	1
58	Valid Presumption of Shiga Toxin-Mediated Damage of Developing Erythrocytes in EHEC-Associated Hemolytic Uremic Syndrome. **2020**, 12,	1
57	Characterization and statistical modeling of glycosylation changes in sickle cell disease. **2021**, 5, 1463-1473	0
56	Application of the Antibody-Inducing Activity of Glycosphingolipids to Human Diseases. **2021**, 22,	3
55	Carbohydrate structures as onco-developmental antigens and components of receptor systems. **1988**, 228, 317-29	6
54	Molecular mimicry of host structures by lipooligosaccharides of Neisseria meningitidis: characterization of sialylated and nonsialylated lacto-N-neotetraose (Galbeta1-4GlcNAcbeta1-3Galbeta1-4Glc) structures in lipooligosaccharides using monoclonal antibodies and specific lectins. **2001**, 491, 525-42	30
53	B-cell origin of cold agglutinins. **1994**, 347, 193-205	4
52	Monoclonal Antibodies Directed to Cell-Surface Carbohydrates. **1984**, 67-100	18
51	Immunology of the Platelet Surface. **1985**, 327-355	3
50	Tumor-Associated Glycolipid Markers in Experimental and Human Cancer. **1983**, 113-127	2
49	Carbohydrate Structure, Biological Recognition, and Immune Function. **1984**, 235-321	10
48	Glycosphingolipids in Cellular Interaction, Differentiation, and Oncogenesis. **1983**, 327-379	15

47	Biochemistry and Biosynthesis of ABH and Lewis Antigens. *Blood Cell Biochemistry*, **1995**, 75-115		7
46	Serology, Biochemistry, and Pathology of Antigens Defined by Cold Agglutinins. *Blood Cell Biochemistry*, **1995**, 117-152		4
45	Demonstration of Blood Group A and B Antigens in Human Tissue Using an Immunoperoxidase Staining Method. **1986**, 347-350		1
44	Protein glycosylation. **1994**, 173-199		1
43	The surface antigen phenotype of human embryonal carcinoma cells: modulation upon differentiation and viral infection. **1991**, 123, 63-83		4
42	The Synthesis of Blood Group I and i Active Oligosaccharides. **1992**, 10, 457-493		1
41	Glycoproteins with Gal alpha 4Gal are absent from human erythrocyte membranes, indicating that glycolipids are the sole carriers of blood group P activities.. *Journal of Biological Chemistry*, **1994**, 269, 14620-14624	5.4	52
40	The oligosaccharide moieties of the epidermal growth factor receptor in A-431 cells. Presence of complex-type N-linked chains that contain terminal N-acetylgalactosamine residues.. *Journal of Biological Chemistry*, **1985**, 260, 11944-11952	5.4	76
39	Characterization of a glycosphingolipid antigen defined by the monoclonal antibody MBr1 expressed in normal and neoplastic epithelial cells of human mammary gland.. *Journal of Biological Chemistry*, **1984**, 259, 14773-14777	5.4	154
38	A monoclonal antibody that precipitates the glycoprotein receptor for epidermal growth factor is directed against the human blood group H type 1 antigen.. *Journal of Biological Chemistry*, **1983**, 258, 11206-11210	5.4	53
37	New globoseries glycosphingolipids in human teratocarcinoma reactive with the monoclonal antibody directed to a developmentally regulated antigen, stage-specific embryonic antigen 3.. *Journal of Biological Chemistry*, **1983**, 258, 8934-8942	5.4	249
36	Novikoff ascites tumor cells contain N-acetyllactosaminide beta 1 leads to 3 and beta 1 leads to 6 N-acetylglucosaminyltransferase activity.. *Journal of Biological Chemistry*, **1983**, 258, 3435-3437	5.4	63
35	Biosynthesis of blood group i-active polylactosaminoglycans. Partial purification and properties of an UDP-GlcNAc:N-acetyllactosaminide beta 1→3-N-acetylglucosaminyltransferase from Novikoff tumor cell ascites fluid.. *Journal of Biological Chemistry*, **1988**, 263, 12461-12471	5.4	113
34	Relationship of the terminal sequences to the length of poly-N-acetyllactosamine chains in asparagine-linked oligosaccharides from the mouse lymphoma cell line BW5147. Immobilized tomato lectin interacts with high affinity with glycopeptides containing long poly-N-acetyllactosamine chains.. *Journal of Biological Chemistry*, **1987**, 262, 8179-8189	5.4	101
33	Isolation and characterization of novel glycolipids with blood group A-related structures: galactosyl-A and sialosylgalactosyl-A.. *Journal of Biological Chemistry*, **1987**, 262, 14228-14234	5.4	29
32	Structure of the L2 lipopolysaccharide core oligosaccharides of Neisseria meningitidis.. *Journal of Biological Chemistry*, **1992**, 267, 922-925	5.4	75
31	Identification of erythrocyte Gal alpha 1-3Gal glycosphingolipids with a mouse monoclonal antibody, Gal-13.. *Journal of Biological Chemistry*, **1987**, 262, 4683-4688	5.4	77
30	Glycosphingolipid patterns of the gastrointestinal tract and feces of germ-free and conventional rats.. *Journal of Biological Chemistry*, **1986**, 261, 15294-15300	5.4	21

29	Ehrlich ascites tumor cell UDP-Gal:N-acetyl-D-glucosamine beta(1,4)-galactosyltransferase. Purification, characterization, and topography of the acceptor-binding site.. *Journal of Biological Chemistry*, **1988**, 263, 3354-3362	5.4	10
28	Lea-active heptaglycosylceramide, a hybrid of type 1 and type 2 chain, and the pattern of glycolipids with Lea, Leb, X (Lex), and Y (Ley) determinants in human blood cell membranes (ghosts). Evidence that type 2 chain can elongate repetitively but type 1 chain cannot.. *Journal of Biological Chemistry*, **1985**, 260, 6410-6415	5.4	37
27	Immunochemistry of I/i-active oligo- and polyglycosylceramides from rabbit erythrocyte membranes. Characterization of linear, di-, and triantennary neolactoglycosphingolipids.. *Journal of Biological Chemistry*, **1985**, 260, 4927-4935	5.4	84
26	Biosynthesis of blood group I antigens. Identification of a UDP-GlcNAc:GlcNAc beta 1-3Gal(-R) beta 1-6(GlcNAc to Gal) N-acetylglucosaminyltransferase in hog gastric mucosa.. *Journal of Biological Chemistry*, **1984**, 259, 13385-13390	5.4	82
25	Structure of the L5 lipopolysaccharide core oligosaccharides of Neisseria meningitidis.. *Journal of Biological Chemistry*, **1990**, 265, 7243-7247	5.4	76
24	Y and blood group B type 2 glycolipid antigens accumulate in a human gastric carcinoma cell line as detected by monoclonal antibody. Isolation and characterization by mass spectrometry and NMR spectroscopy.. *Journal of Biological Chemistry*, **1987**, 262, 372-379	5.4	60
23	Man, apes, and Old World monkeys differ from other mammals in the expression of alpha-galactosyl epitopes on nucleated cells.. *Journal of Biological Chemistry*, **1988**, 263, 17755-17762	5.4	684
22	Structures of glycosphingolipids isolated from human granulocytes. The presence of a series of linear poly-N-acetyllactosaminylceramide and its significance in glycolipids of whole blood cells.. *Journal of Biological Chemistry*, **1985**, 260, 1067-1082	5.4	129
21	The distribution of repeating [Gal beta 1,4GlcNAc beta 1,3] sequences in asparagine-linked oligosaccharides of the mouse lymphoma cell lines BW5147 and PHAR 2.1.. *Journal of Biological Chemistry*, **1984**, 259, 6253-6260	5.4	193
20	Endo-beta-D-galactosidases of Bacteroides fragilis and Escherichia freundii hydrolyze linear but not branched oligosaccharide domains of glycolipids of the neolacto series.. *Journal of Biological Chemistry*, **1984**, 259, 6586-6592	5.4	84
19	Eight lipooligosaccharides of Neisseria meningitidis react with a monoclonal antibody which binds lacto-N-neotetraose (Gal beta 1-4GlcNAc beta 1-3Gal beta 1-4Glc). *Infection and Immunity*, **1991**, 59, 3604-9	3.7	43
18	Glycosphingolipid antigens of Leishmania (Leishmania) amazonensis amastigotes identified by use of a monoclonal antibody. *Infection and Immunity*, **1993**, 61, 2131-7	3.7	39
17	Human erythrocyte antigens. Regulation of expression of a novel erythrocyte surface antigen by the inhibitor Lutheran In(Lu) gene. *Journal of Clinical Investigation*, **1983**, 71, 1878-86	15.9	82
16	Use of lectins in immunohematology. *Asian Journal of Transfusion Science*, **2016**, 10, 12-21	0.5	15
15	Red cell antigens: Structure and function. *Asian Journal of Transfusion Science*, **2007**, 1, 24-32	0.5	12
14	Histoblood Group A and B Transferases, Their Gene Structures, and Common O Group Gene Structures. **2002**, 180-188		
13	ABO, H, LE, P1PK, GLOB, I and FORS Blood Group Systems. 118-166		1
12	Histo-Blood Group A and B Transferases, Their Gene Structures, and Common O Group Gene Structures. **2014**, 463-477		

11	Genetics of the Human Red Cell Surface. **1984**, 27-56		
10	Role of Cell Surface Molecules in Mammalian Development. **1986**, 1070-1078		
9	Monoclonal Antibodies Against Gangliosides. **1987**, 423-433		2
8	Binding sites of monoclonal anti-carbohydrate antibodies. *Current Topics in Microbiology and Immunology*, **1988**, 139, 59-79	3.3	8
7	Histo-Blood Group Antigens as Tumor-Associated Carbohydrate Antigens and Ligands for Cell Adhesion. *Blood Cell Biochemistry*, **1995**, 421-443		
6	Blutgruppen von Erythrozyten. **1996**, 137-162		2
5	Comparison of Human and Siamang ABH and MN Blood Groups Using Monoclonal Antibodies. *Journal of Medical Primatology*, **1984**, 13, 315-325	0.7	2
4	The influence of the In(Lu) gene on expression of CDw75 antigens on human red blood cells. *Immunology*, **1992**, 75, 713-6	7.8	4
3	Monoclonal antibody localization of A and B isoantigens in normal and malignant fixed human tissues. *American Journal of Pathology*, **1984**, 117, 451-61	5.8	58
2	Structural modification of H histo-blood group antigen. *Blood Transfusion*, **2015**, 13, 143-9	3.6	2
1	Human monoclonal antibodies: methods of production and some aspects of their application in oncology. *Medical Oncology and Tumor Pharmacotherapy*, **1984**, 1, 235-46		8