

Carl Gustav Gahmberg

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170
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174
ext. papers

9,345
ext. citations

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5.48
L-index

#	Paper	IF	Citations
170	External Labeling of Cell Surface Galactose and Galactosamine in Glycolipid and Glycoprotein of Human Erythrocytes. <i>Journal of Biological Chemistry</i> , 1973 , 248, 4311-4317	5.4	470
169	Tumor targeting with a selective gelatinase inhibitor. <i>Nature Biotechnology</i> , 1999 , 17, 768-74	44.5	460
168	Induction of erythroid differentiation in the human leukaemia cell line K562. <i>Nature</i> , 1979 , 278, 364-5	50.4	378
167	K562--a human erythroleukemic cell line. <i>International Journal of Cancer</i> , 1979 , 23, 143-7	7.5	366
166	A novel pathway of HMGB1-mediated inflammatory cell recruitment that requires Mac-1-integrin. <i>EMBO Journal</i> , 2007 , 26, 1129-39	13	293
165	Leukocyte adhesion: CD11/CD18 integrins and intercellular adhesion molecules. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 643-50	9	224
164	Del-1, an endogenous leukocyte-endothelial adhesion inhibitor, limits inflammatory cell recruitment. <i>Science</i> , 2008 , 322, 1101-4	33.3	218
163	Regulation of the p59fyn protein tyrosine kinase by the CD45 phosphotyrosine phosphatase. <i>European Journal of Immunology</i> , 1992 , 22, 1173-8	6.1	174
162	Leukocyte adhesion--structure and function of human leukocyte beta2-integrins and their cellular ligands. <i>FEBS Journal</i> , 1997 , 245, 215-32		167
161	Regulation of integrin activity and signalling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009 , 1790, 431-44	4	152
160	Activation of NMDA receptors promotes dendritic spine development through MMP-mediated ICAM-5 cleavage. <i>Journal of Cell Biology</i> , 2007 , 178, 687-700	7.3	135
159	Why mammalian cell surface proteins are glycoproteins. <i>Trends in Biochemical Sciences</i> , 1996 , 21, 308-311	10.3	135
158	Transendothelial migration of lymphocytes mediated by intraendothelial vesicle stores rather than by extracellular chemokine depots. <i>Nature Immunology</i> , 2011 , 13, 67-76	19.1	132
157	Beta2 integrin phosphorylation on Thr758 acts as a molecular switch to regulate 14-3-3 and filamin binding. <i>Blood</i> , 2008 , 112, 1853-62	2.2	132
156	RIFINs are adhesins implicated in severe Plasmodium falciparum malaria. <i>Nature Medicine</i> , 2015 , 21, 314-320	30.5	127
155	P-selectin glycoprotein ligand 1 and beta2-integrins cooperate in the adhesion of leukocytes to von Willebrand factor. <i>Blood</i> , 2006 , 108, 3746-52	2.2	127
154	The lipid class composition of Semliki forest virus and plasma membranes of the host cells. <i>Virology</i> , 1971 , 46, 318-26	3.6	120

153	Changes in a surface-labelled galactoprotein and in glycolipid concentrations in cells transformed by a temperature-sensitive polyoma virus mutant. <i>Nature</i> , 1974 , 248, 413-5	50.4	119
152	Mutation of the cytoplasmic domain of the integrin beta 3 subunit. Differential effects on cell spreading, recruitment to adhesion plaques, endocytosis, and phagocytosis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 9550-7	5.4	115
151	The red cell LW blood group protein is an intercellular adhesion molecule which binds to CD11/CD18 leukocyte integrins. <i>European Journal of Immunology</i> , 1995 , 25, 3316-20	6.1	110
150	The expression of human intercellular adhesion molecule-2 is refractory to inflammatory cytokines. <i>European Journal of Immunology</i> , 1991 , 21, 2629-32	6.1	105
149	Neuronal regulation of immune responses in the central nervous system. <i>Trends in Immunology</i> , 2009 , 30, 91-9	14.4	104
148	The lipids of the plasma membranes and endoplasmic reticulum from cultured baby hamster kidney cells (BHK21). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1972 , 255, 66-78	3.8	96
147	Lipoprotein(a) in atherosclerotic plaques recruits inflammatory cells through interaction with Mac-1 integrin. <i>FASEB Journal</i> , 2006 , 20, 559-61	0.9	95
146	Biosynthesis of the major human red cell sialoglycoprotein, glyophorin A, in a continuous cell line. <i>Nature</i> , 1979 , 279, 604-7	50.4	93
145	Specific integrin alpha and beta chain phosphorylations regulate LFA-1 activation through affinity-dependent and -independent mechanisms. <i>Journal of Cell Biology</i> , 2005 , 171, 705-15	7.3	92
144	Organization of glycolipids and glycoproteins in surface membranes: dependency on cell cycle and on transformation. <i>Biochemical and Biophysical Research Communications</i> , 1974 , 59, 283-91	3.4	86
143	Phosphorylation of the cytoplasmic domain of the integrin CD18 chain by protein kinase C isoforms in leukocytes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 1728-38	5.4	82
142	Leukocyte integrins and inflammation. <i>Cellular and Molecular Life Sciences</i> , 1998 , 54, 549-55	10.3	81
141	Identification of a novel adhesion molecule in human leukocytes by monoclonal antibody LB-2. <i>FEBS Letters</i> , 1987 , 210, 127-31	3.8	80
140	Molecular identification of the human Rho (D) antigen. <i>FEBS Letters</i> , 1982 , 140, 93-7	3.8	80
139	alpha-Chain phosphorylation of the human leukocyte CD11b/CD18 (Mac-1) integrin is pivotal for integrin activation to bind ICAMs and leukocyte extravasation. <i>Blood</i> , 2006 , 108, 3379-86	2.2	76
138	The vascular E-selectin binds to the leukocyte integrins CD11/CD18. <i>Glycobiology</i> , 1993 , 3, 131-6	5.8	72
137	Structural study of the sugar chains of human leukocyte cell adhesion molecules CD11/CD18. <i>Biochemistry</i> , 1991 , 30, 1561-71	3.2	71
136	Red-cell ICAM-4 is a ligand for the monocyte/macrophage integrin CD11c/CD18: characterization of the binding sites on ICAM-4. <i>Blood</i> , 2007 , 109, 802-10	2.2	70

135	Binding sites of leukocyte beta 2 integrins (LFA-1, Mac-1) on the human ICAM-4/LW blood group protein. <i>Journal of Biological Chemistry</i> , 2000 , 275, 26002-10	5.4	66
134	Phosphorylation of the beta-subunit of CD11/CD18 integrins by protein kinase C correlates with leukocyte adhesion. <i>European Journal of Immunology</i> , 1991 , 21, 2857-62	6.1	64
133	Mitochondrial toxicity of triclosan on mammalian cells. <i>Toxicology Reports</i> , 2015 , 2, 624-637	4.8	62
132	Surface glycoprotein patterns of normal and malignant human lymphoid cells. II. B cells, B blasts and Epstein-Barr virus (EBV)-positive and -negative B lymphoid cell lines. <i>International Journal of Cancer</i> , 1977 , 20, 708-16	7.5	62
131	PKCepsilon regulation of an alpha5 integrin-ZO-1 complex controls lamellae formation in migrating cancer cells. <i>Science Signaling</i> , 2009 , 2, ra32	8.8	61
130	Phorbol diesters increase the phosphorylation of the leukocyte common antigen CD45 in human T cells. <i>European Journal of Immunology</i> , 1987 , 17, 1503-6	6.1	61
129	Surface glycoprotein patterns of normal and malignant human lymphoid cells. I. T cells T blasts and leukemic T cell lines. <i>International Journal of Cancer</i> , 1977 , 20, 702-7	7.5	61
128	Binding of T lymphocytes to hippocampal neurons through ICAM-5 (telencephalin) and characterization of its interaction with the leukocyte integrin CD11a/CD18. <i>European Journal of Immunology</i> , 2000 , 30, 810-8	6.1	60
127	Glycophorin A as a cell surface marker of early erythroid differentiation in acute leukemia. <i>International Journal of Cancer</i> , 1979 , 24, 717-20	7.5	60
126	Role of sialic acid in the mobility of membrane proteins containing O-linked oligosaccharides on polyacrylamide gel electrophoresis in sodium dodecyl sulfate. <i>FEBS Journal</i> , 1982 , 122, 581-6		56
125	Inhibition of beta(2) integrin-mediated leukocyte cell adhesion by leucine-leucine-glycine motif-containing peptides. <i>Journal of Cell Biology</i> , 2001 , 153, 905-16	7.3	55
124	Absence, or low expression, of leukocyte adhesion molecules CD11 and CD18 on Burkitt lymphoma cells. <i>International Journal of Cancer</i> , 1988 , 41, 901-7	7.5	54
123	Binding of the cytoplasmic domain of intercellular adhesion molecule-2 (ICAM-2) to alpha-actinin. <i>Journal of Biological Chemistry</i> , 1996 , 271, 26214-9	5.4	53
122	Participation of CD11a-c/CD18, CD2 and RGD-binding receptors in endogenous and interleukin-2-stimulated NK activity of CD3-negative large granular lymphocytes. <i>International Journal of Cancer</i> , 1990 , 46, 1035-40	7.5	53
121	Intracellular and cell surface localization of a complex between alphaMbeta2 integrin and promatrix metalloproteinase-9 progelatinase in neutrophils. <i>Journal of Immunology</i> , 2004 , 172, 7060-8	5.3	51
120	Different surface glycoprotein patterns on human T-, B- and leukemic-lymphocytes. <i>International Journal of Cancer</i> , 1976 , 17, 40-6	7.5	51
119	Role of leukemia cell invadosome in extramedullary infiltration. <i>Blood</i> , 2009 , 114, 3008-17	2.2	50
118	Identification of a negatively charged peptide motif within the catalytic domain of progelatinases that mediates binding to leukocyte beta 2 integrins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34674-84	5.4	49

117	Phosphorylation of the LFA-1 integrin beta2-chain on Thr-758 leads to adhesion, Rac-1/Cdc42 activation, and stimulation of CD69 expression in human T cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 968-75	5.4	48
116	Structural study of the sugar chains of human leukocyte common antigen CD45. <i>Biochemistry</i> , 1993 , 32, 12694-704	3.2	47
115	Regulation of LFA-1-dependent inflammatory cell recruitment by Cbl-b and 14-3-3 proteins. <i>Blood</i> , 2008 , 111, 3607-14	2.2	46
114	Shedded neuronal ICAM-5 suppresses T-cell activation. <i>Blood</i> , 2008 , 111, 3615-25	2.2	45
113	P marks the spot: site-specific integrin phosphorylation regulates molecular interactions. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 504-12	10.3	45
112	SHARPIN regulates uropod detachment in migrating lymphocytes. <i>Cell Reports</i> , 2013 , 5, 619-28	10.6	44
111	Interactions between ICAM-5 and β 1 integrins regulate neuronal synapse formation. <i>Journal of Cell Science</i> , 2013 , 126, 77-89	5.3	43
110	ICAM-5--a novel two-facetted adhesion molecule in the mammalian brain. <i>Immunology Letters</i> , 2008 , 117, 131-5	4.1	43
109	LDL-receptor-related protein regulates beta2-integrin-mediated leukocyte adhesion. <i>Blood</i> , 2005 , 105, 170-7	2.2	43
108	Intercellular adhesion molecule-5 induces dendritic outgrowth by homophilic adhesion. <i>Journal of Cell Biology</i> , 2000 , 150, 243-52	7.3	42
107	Sialyl Lewis(x)- and L-selectin-dependent site-specific lymphocyte extravasation into renal transplants during acute rejection. <i>European Journal of Immunology</i> , 1994 , 24, 1130-6	6.1	42
106	Fatty chains of different lipid classes of Semliki forest virus and host cell membranes. <i>Journal of Virology</i> , 1972 , 10, 433-8	6.6	41
105	Identification of a cell-surface glycoprotein mediating cell adhesion in EBV-immortalized normal B cells. <i>International Journal of Cancer</i> , 1986 , 38, 539-47	7.5	40
104	Cell surface glycoprotein analysis: a diagnostic tool in human leukemias. <i>International Journal of Cancer</i> , 1979 , 23, 306-11	7.5	39
103	The cytoskeletal association of CD11/CD18 leukocyte integrins in phorbol ester-activated cells correlates with CD18 phosphorylation. <i>European Journal of Immunology</i> , 1999 , 29, 2107-18	6.1	38
102	Adhesion-mediating molecules of human monocytes. <i>Cellular Immunology</i> , 1988 , 113, 278-89	4.4	38
101	Induction of aryl hydrocarbon hydroxylase activity and pulmonary carcinoma. <i>International Journal of Cancer</i> , 1979 , 23, 302-5	7.5	38
100	Proteins and glycoproteins of hamster kidney fibroblast (BHK21) plasma membranes and endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1971 , 249, 81-95	3.8	38

99	Developmental endothelial locus-1 attenuates complement-dependent phagocytosis through inhibition of Mac-1-integrin. <i>Thrombosis and Haemostasis</i> , 2014 , 111, 1004-6	7	35
98	Pilus adhesin RrgA interacts with complement receptor 3, thereby affecting macrophage function and systemic pneumococcal disease. <i>MBio</i> , 2012 , 4, e00535-12	7.8	35
97	An unusual allosteric mobility of the C-terminal helix of a high-affinity alphaL integrin I domain variant bound to ICAM-5. <i>Molecular Cell</i> , 2008 , 31, 432-7	17.6	35
96	Characterization of ICAM-4 binding to the I domains of the CD11a/CD18 and CD11b/CD18 leukocyte integrins. <i>FEBS Journal</i> , 2003 , 270, 1710-23		34
95	Threonine phosphorylation sites in the beta 2 and beta 7 leukocyte integrin polypeptides. <i>Journal of Immunology</i> , 2003 , 170, 4170-7	5.3	34
94	Cell-free synthesis and glycosylation of the major human-red-cell sialoglycoprotein, glycophorin A. <i>FEBS Journal</i> , 1981 , 114, 393-7		34
93	Surface labeling of Semliki forest virus glycoproteins using galactose oxidase. Exposure of E3-glycoprotein. <i>Virology</i> , 1977 , 76, 55-9	3.6	34
92	Lck tyrosine kinase is important for activation of the CD11a/CD18-integrins in human T lymphocytes. <i>European Journal of Immunology</i> , 2002 , 32, 1670-8	6.1	33
91	Ezrin is a substrate for Lck in T cells. <i>FEBS Letters</i> , 2003 , 535, 82-6	3.8	33
90	Tritium labeling of cell-surface glycoproteins and glycolipids using galactose oxidase. <i>Methods in Enzymology</i> , 1978 , 50, 204-6	1.7	33
89	Characterization of β (CD18) integrin phosphorylation in phorbol ester-activated T lymphocytes. <i>Biochemical Journal</i> , 1999 , 339, 119-125	3.8	32
88	Structural study of the O-linked sugar chains of human leukocyte tyrosine phosphatase CD45. <i>FEBS Journal</i> , 1998 , 251, 288-94		31
87	Plasmodium falciparum: cytoadherence of malaria-infected erythrocytes to human brain capillary and umbilical vein endothelial cells--a comparative study of adhesive ligands. <i>Experimental Parasitology</i> , 1992 , 75, 269-80	2.1	31
86	Potato crop as a source of emetic Bacillus cereus and cereulide-induced mammalian cell toxicity. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 3534-43	4.8	30
85	DC-SIGN binds ICAM-3 isolated from peripheral human leukocytes through Lewis x residues. <i>Glycobiology</i> , 2007 , 17, 324-33	5.8	30
84	Identification of the major human sialoglycoprotein from red cells, glycophorin AM, as the receptor for Escherichia coli IH 11165 and characterization of the receptor site. <i>FEBS Journal</i> , 1985 , 147, 47-52		30
83	Cell surface labeling of erythrocyte glycoproteins by galactose oxidase and Mn ⁺⁺ -catalyzed coupling reaction with methionine sulfone hydrazide. <i>Biochemical and Biophysical Research Communications</i> , 1975 , 64, 1028-35	3.4	30
82	TCR-induced activation of LFA-1 involves signaling through Tiam1. <i>Journal of Immunology</i> , 2011 , 187, 3613-9	5.3	29

81	alpha-Actinin-dependent cytoskeletal anchorage is important for ICAM-5-mediated neuritic outgrowth. <i>Journal of Cell Science</i> , 2006 , 119, 3057-66	5.3	29
80	Rabbit leukocyte adhesion molecules CD11/CD18 and their participation in acute and delayed inflammatory responses and leukocyte distribution in vivo. <i>Clinical Immunology and Immunopathology</i> , 1990 , 57, 105-19		28
79	LFA-1 integrin antibodies inhibit leukocyte β 1-mediated adhesion by intracellular signaling. <i>Blood</i> , 2016 , 128, 1270-81	2.2	27
78	Phorbol 12,13-dibutyrate enhances lateral redistribution of membrane glycoproteins in human blood lymphocytes. <i>European Journal of Immunology</i> , 1984 , 14, 781-7	6.1	26
77	Molecular identification of T cell-specific antigens on human T lymphocytes and thymocytes. <i>European Journal of Immunology</i> , 1980 , 10, 359-62	6.1	26
76	Integrin CD11c/CD18 β chain phosphorylation is functionally important. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33494-9	5.4	25
75	Activation of natural killer cell migration by leukocyte integrin-binding peptide from intracellular adhesion molecule-2 (ICAM-2). <i>Journal of Biological Chemistry</i> , 1995 , 270, 8629-36	5.4	25
74	Exposure of major neutral glycolipids in red cells to galactose oxidase. Effect of neuraminidase. <i>FEBS Journal</i> , 1986 , 157, 611-6		25
73	Identification of blood group A-active glycoproteins in the human erythrocyte membrane. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980 , 622, 344-54		25
72	Distribution of glycophorin on the surface of human erythrocyte membranes and its association with intramembrane particles: an immunochemical and freeze-fracture study of normal and En(a-) erythrocytes. <i>Journal of Supramolecular Structure</i> , 1978 , 8, 337-47		25
71	Identification and characterization of normal and malignant human blood leukocytes by surface glycoprotein patterns. <i>Annals of the New York Academy of Sciences</i> , 1978 , 312, 240-55	6.5	24
70	Cell surface characteristics of human histiocytic lymphoma lines--I. Surface glycoprotein patterns. <i>Leukemia Research</i> , 1980 , 4, 271-7	2.7	22
69	External Labeling of Cell Surface Carbohydrates 1976 , 179-210		22
68	Blood-group A and B determinants are located in different polyglycosyl peptides isolated from human erythrocytes of blood-group AB. <i>FEBS Journal</i> , 1981 , 113, 259-65		21
67	Major O-glycosylated sialoglycoproteins of human hematopoietic cells: differentiation antigens with poorly understood functions. <i>Journal of Cellular Biochemistry</i> , 1988 , 37, 91-105	4.7	20
66	Exposure of proteins and lipids in the Semliki forest virus membrane. <i>Virology</i> , 1972 , 50, 259-62	3.6	20
65	Subcellular localization of intercellular adhesion molecule-5 (telencephalin) in the visual cortex is not developmentally regulated in the absence of matrix metalloproteinase-9. <i>Journal of Comparative Neurology</i> , 2014 , 522, 676-88	3.4	19
64	Specific phosphorylations transmit signals from leukocyte β to α integrins and regulate adhesion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 32230-32242	5.4	18

63	14-3-3 proteins bind both filamin and alphaLbeta2 integrin in activated T cells. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1090, 318-25	6.5	18
62	The human leukocyte-adhesion ligand, intercellular-adhesion molecule 2. Expression and characterization of the protein. <i>FEBS Journal</i> , 1991 , 195, 177-82		18
61	ICAM-5: a neuronal dendritic adhesion molecule involved in immune and neuronal functions. <i>Advances in Neurobiology</i> , 2014 , 8, 117-32	2.1	18
60	Structural study of N-linked oligosaccharides of human intercellular adhesion molecule-3 (CD50). <i>FEBS Journal</i> , 2001 , 268, 1020-9		17
59	Isolation and characterization of the blood group A-specific lectin from <i>Vicia cracca</i> . <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980 , 622, 337-43		17
58	The peptide toxin amyloisin of <i>Bacillus amyloliquefaciens</i> from moisture-damaged buildings is immunotoxic, induces potassium efflux from mammalian cells, and has antimicrobial activity. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2939-49	4.8	16
57	Importance of molecular studies on major blood groups--intercellular adhesion molecule-4, a blood group antigen involved in multiple cellular interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008 , 1780, 456-66	4	16
56	A CD44 monoclonal antibody differentially regulates CD11a/CD18 binding to intercellular adhesion molecules CD54, CD102 and CD50. <i>European Journal of Immunology</i> , 1995 , 25, 2460-4	6.1	16
55	Fusion of Semliki Forest virus with red cell membranes. <i>Virology</i> , 1981 , 110, 366-74	3.6	16
54	Organization of glycoprotein and glycolipid in the plasma membrane of normal and transformed cells as revealed by galactose oxidase. <i>Biomembranes</i> , 1976 , 8, 131-65		16
53	Interfering with leukocyte integrin activation--a novel concept in the development of anti-inflammatory drugs. <i>Annals of Medicine</i> , 2006 , 38, 503-11	1.5	15
52	An essential role for calmodulin in regulating human T cell aggregation. <i>FEBS Letters</i> , 2001 , 491, 131-6	3.8	15
51	The leukocyte surface antigens CD11b and CD18 mediate the oxidative burst activation of human peritoneal macrophages induced by type 1 fimbriated <i>Escherichia coli</i> . <i>Journal of Leukocyte Biology</i> , 1993 , 54, 111-3	6.5	15
50	Chapter 4 Membrane glycoproteins and glycolipids: structure, localization and function of the carbohydrate. <i>New Comprehensive Biochemistry</i> , 1981 , 1, 127-160		15
49	Hydrophobic interaction between the SH2 domain and the kinase domain is required for the activation of Csk. <i>Journal of Molecular Biology</i> , 2010 , 399, 618-27	6.5	14
48	Intercellular adhesion molecule-1 in extravasation of normal mononuclear and leukaemia cells. <i>British Journal of Haematology</i> , 2001 , 113, 989-1000	4.5	14
47	Isolation of plasma membrane fragments from BHK21 cells. <i>Acta Pathologica Et Microbiologica Scandinavica - Section B Microbiology and Immunology</i> , 1970 , 78, 176-82		13
46	Characterization of β (CD18) integrin phosphorylation in phorbol ester-activated T lymphocytes. <i>Biochemical Journal</i> , 1999 , 339, 119	3.8	13

45	Phospholipid composition and external labeling of aminophospholipids of human En(a--) erythrocyte membranes which lack the major sialoglycoprotein (glycophorin A). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979 , 554, 114-24	3.8	13
44	Acute erythroleukaemia with L3 morphology and the 14q+ chromosome. <i>Scandinavian Journal of Haematology</i> , 1982 , 29, 75-82		12
43	Fibronectin isoforms in plasma membrane domains of normal and regenerating rat liver. <i>FEBS Letters</i> , 1988 , 228, 135-8	3.8	12
42	Regulation of integrin activity by phosphorylation. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 819, 85-96	3.6	12
41	The pivotal role of the Leu-CAM and ICAM molecules in human leukocyte adhesion. <i>Cell Differentiation and Development</i> , 1990 , 32, 239-45		11
40	Purification in large scale and characterization of the human leukocyte adhesion glycoprotein GP90 (CD18). <i>FEBS Journal</i> , 1988 , 170, 653-9		11
39	Cell surface characteristics of human histiocytic lymphoma cell lines. II. Expression of Helix pomatia A hemagglutinin binding surface glycoproteins, HLA-DR and common acute lymphocytic leukemia (cALL) antigen. <i>Leukemia Research</i> , 1981 , 5, 185-93	2.7	11
38	Cell surface proteins: changes during cell growth and malignant transformation 1977 , 371-421		11
37	Neuronal ICAM-5 Inhibits Microglia Adhesion and Phagocytosis and Promotes an Anti-inflammatory Response in LPS Stimulated Microglia. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 431	6.1	10
36	Oxidation of glycolipids in liposomes by galactose oxidase. <i>FEBS Journal</i> , 1988 , 178, 87-91		10
35	Pre-replicative changes of the rat sinusoidal plasma membrane glycoproteins during hepatic regeneration. <i>FEBS Letters</i> , 1985 , 181, 12-6	3.8	10
34	Surface glycoproteins of human non-T, non-B acute lymphocytic leukemia cell lines. <i>Leukemia Research</i> , 1980 , 4, 279-86	2.7	10
33	Regulation of cell adhesion: a collaborative effort of integrins, their ligands, cytoplasmic actors, and phosphorylation. <i>Quarterly Reviews of Biophysics</i> , 2019 , 52, e10	7	9
32	Nonmetabolic radiolabeling and tagging of glycoconjugates. <i>Methods in Enzymology</i> , 1994 , 230, 32-44	1.7	9
31	Presence of erythrocytic components in the K562 cell line. <i>International Journal of Cancer</i> , 1979 , 24, 514	7.5	9
30	Crystal structures of an ICAM-5 ectodomain fragment show electrostatic-based homophilic adhesions. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 1934-43		8
29	Leukocyte adhesion--an integrated molecular process at the leukocyte plasma membrane. <i>Bioscience Reports</i> , 1999 , 19, 273-81	4.1	8
28	Glycophorin A: in vitro biogenesis and processing. <i>Methods in Enzymology</i> , 1983 , 96, 281-98	1.7	8

27	Surface glycoproteins of malignant human leukocytes. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1982 , 651, 65-83	11.2	8
26	How integrin phosphorylations regulate cell adhesion and signaling. <i>Trends in Biochemical Sciences</i> , 2021 ,	10.3	8
25	Phosphorylation of the β -chain in the integrin LFA-1 enables α -chain phosphorylation and β -actinin binding required for cell adhesion. <i>Journal of Biological Chemistry</i> , 2018 , 293, 12318-12330	5.4	7
24	A case of pure monocytic leukaemia in a child - characterization of cellular morphology, membrane markers, surface glycoproteins and karyotype. <i>Scandinavian Journal of Haematology</i> , 1979 , 22, 47-52		7
23	Calmodulin may decrease cell surface sialic acid and be involved in the expression of fibronectin during liver regeneration. <i>FEBS Letters</i> , 1986 , 208, 418-22	3.8	7
22	Blood lymphoblasts in infectious mononucleosis express the surface glycoprotein pattern of killer T cells. <i>Clinical Immunology and Immunopathology</i> , 1978 , 10, 41-6		7
21	Leukocyte cell adhesion proteins: from molecular dissection to clinical applications. <i>Annals of Medicine</i> , 1992 , 24, 329-35	1.5	6
20	Molecular characterization of the Ly-6.2 antigen. <i>Cellular Immunology</i> , 1981 , 64, 187-91	4.4	6
19	Interactions between intercellular adhesion molecule-5 positive elements and their surroundings in the rodent visual cortex. <i>Communicative and Integrative Biology</i> , 2013 , 6, e27315	1.7	5
18	ICAM-5 affects spine maturation by regulation of NMDA receptor binding to β -actinin. <i>Biology Open</i> , 2015 , 4, 125-36	2.2	4
17	Effects of sodium butyrate on human chronic myelogenous leukaemia cell line K562 (reply). <i>Nature</i> , 1979 , 281, 710-710	50.4	4
16	Membrane Glycoconjugates in the Maturation and Activation of T and B Lymphocytes 1982 , 231-264		4
15	Membrane glycoprotein patterns of normal and malignant human leukocytes. <i>Advances in Experimental Medicine and Biology</i> , 1979 , 114, 623-8	3.6	4
14	Synthesis of fluorescent oligosaccharides for covalent attachment to living cells. <i>Analytical Biochemistry</i> , 1988 , 170, 520-7	3.1	3
13	Detection of glycoproteins in the Acanthamoeba plasma membrane. <i>Experimental Cell Research</i> , 1988 , 179, 253-62	4.2	3
12	Activation of leukocyte beta2-integrins. <i>Vox Sanguinis</i> , 2002 , 83 Suppl 1, 355-8	3.1	2
11	Molecular characteristics of the blood group Rho(D) molecule. <i>Sub-Cellular Biochemistry</i> , 1988 , 12, 95-113.5		2
10	Binding of T lymphocytes to hippocampal neurons through ICAM-5 (telencephalin) and characterization of its interaction with the leukocyte integrin CD11a / CD18 2000 , 30, 810		2

9	Cell adhesion: a partner for many. <i>Blood</i> , 2004 , 103, 1183-1183	2.2	1
8	Expression and characterization of a B cell growth promoting polypeptide derived from the 12 kDa B cell growth factor gene (BCGF 1). <i>FEBS Letters</i> , 1995 , 361, 233-7	3.8	1
7	Surface glycoprotein changes during normal and malignant haematopoietic differentiation. <i>Biochemical Society Transactions</i> , 1984 , 12, 549-52	5.1	1
6	Professor Sen-itiroh Hakomori (1929-2020): A tribute to a remarkable glycobiochemist, mentor and friend!. <i>Glycobiology</i> , 2021 , 31, 708-712	5.8	0
5	Regulation of Dynamic Cell Adhesion by Integrin-Integrin Crosstalk. <i>Cells</i> , 2022 , 11, 1685	7.9	0
4	In vivo targeting of activated leukocytes by a α -integrin binding peptide. <i>Molecular Diagnosis and Therapy</i> , 2014 , 18, 39-44	4.5	
3	Identification of non-T non-B lymphocyte leukaemia patients with favourable prognosis by cell surface glycoprotein analysis. <i>Scandinavian Journal of Haematology</i> , 1985 , 35, 56-62		
2	Characterization of the acid phosphatase activity in the plasma membrane fraction from baby hamster kidney cells (BHK21). <i>Acta Pathologica Et Microbiologica Scandinavica - Section B Microbiology and Immunology</i> , 1970 , 78, 451-8		
1	Antiserum against formalin-fixed human milk fat globule glycoprotein for immunohistochemistry of normal and malignant apocrine epithelium. <i>Acta Pathologica, Microbiologica, Et Immunologica Scandinavica Section A, Pathology</i> , 1984 , 92, 331-7		