

Index

Table 1	Papers relevant to major 4 glycoscience research fields.
Table 2	Papers relevant to glycoscience research fields.
Table 3	Papers searched by terms related to life phenomenon, combined search with the 4 major glycoscience research areas.
Table 4	Papers searched by terms related to substance, combined search with the 4 major glycoscience research areas.
Table 5-1	Papers searched by terms related to diseases, combined search with the 4 major glycoscience research areas.
Table 5-2	Papers searched by terms related to cancer, combined search with the 4 major glycoscience research areas.
Table 6	Papers searched by major countries(affiliation) of the first author, combined search with the 4 major glycoscience research areas.
Table 7	Papers searched by Journals, combined search with the 4 major glycoscience research areas.
Additional information	Table 7 Journal Information

[→Table 2](#)

Search conducted:

October 24, 2011

Search period:

Every 5 years between 1950 - 2009.

Search query example:

("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

Search terms:

1	glycoprotein	("glycoprotein"[All Fields] OR "glycoproteins"[All Fields])
2	glycolipid	("glycolipid"[All Fields] OR "glycolipids"[All Fields])
3	proteoglycan	("proteoglycan"[All Fields] OR "proteoglycans"[All Fields])
4	glycosaminoglycan	("glycosaminoglycan"[All Fields] OR "glycosaminoglycans"[All Fields])

Search terms for relevant information:

1	galactose	("galactose"[All Fields])
2	mannose	("mannose"[All Fields])
3	glucose	("glucose"[All Fields])

[Back to Top](#)

[Back to Index](#)

Table 2 Comparison in number of papers relevant to glycoscience research published every 5 years from 1950 - 2009

Copyright © 2012 All rights reserved. Glycoforum

[→Table 3](#)**Search conducted:**

October 25 - November 2, 2011

[Back to Index](#)**Search period:**

Every 5 years between 1950 - 2009.

Search query example:

("asialoglycoproteins"[All Fields] OR "asialoglycoprotein"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

Search terms:[Jump to page 2](#)

1	asialoglycoprotein	"asialoglycoproteins"[All Fields] OR "asialoglycoprotein"[All Fields]
2	bacterial polysaccharide	"bacterial polysaccharides"[All Fields] OR "bacterial polysaccharide"[All Fields]
3	carbohydrate	"carbohydrate"[All Fields] OR "carbohydrates"[All Fields]
4	carbohydrate epitope	"carbohydrate epitope"[All Fields] OR "carbohydrate epitopes"[All Fields]
5	c-glycoside	"c-glycoside"[All Fields] OR "c glycoside"[All Fields] OR "c-glycosides"[All Fields] OR "c glycosides"[All Fields]
6	chitin	"chitin"[All Fields]
7	chondroitin sulfate	"chondroitin sulphate"[All Fields] OR "chondroitin sulfates"[All Fields] OR "chondroitin sulfate"[All Fields]
8	chondroitinase	"chondroitinase"[All Fields]
9	dermatan sulfate	"dermatan sulphate"[All Fields] OR "dermatan sulfates"[All Fields] OR "dermatan sulfate"[All Fields]
10	dextran	"dextrans"[All Fields] OR "dextran"[All Fields]
11	disaccharide	"disaccharides"[All Fields] OR "disaccharide"[All Fields]
12	endoglycosidase	"endoglycosidase"[All Fields]
13	fucose	"fucose"[All Fields]
14	fucosidase	"fucosidase"[All Fields]
15	fucosyltransferase	"fucosyltransferases"[All Fields] OR "fucosyltransferase"[All Fields]
16	galactosidase	"galactosidases"[All Fields] OR "galactosidase"[All Fields]
17	galactosylceramide	"galactosylceramides"[All Fields] OR "galactosylceramide"[All Fields]
18	galactosyltransferase	"galactosyltransferases"[All Fields] OR "galactosyltransferase"[All Fields]
19	GalNAc-transferase	"galnac transferase"[All Fields]
20	ganglioside	"gangliosides"[All Fields] OR "ganglioside"[All Fields]
21	genome	"genome"[All Fields]
22	genomic	"genomics"[All Fields] OR "genomic"[All Fields]
23	GlcNAc-transferase	"glcnac transferase"[All Fields]
24	glucan	"glucans"[All Fields] OR "glucan"[All Fields]
25	glucocerebroside	"glucocerebrosides"[All Fields] OR "glucocerebroside"[All Fields]
26	glucosamine	"glucosamine"[All Fields]
27	glucosidase	"glucosidases"[All Fields] OR "glucosidase"[All Fields]
28	glucosylceramide	"glucosylceramides"[All Fields] OR "glucosylceramide"[All Fields]
29	glucosyltransferase	"glucosyltransferase"[All Fields]
30	glycan	"glycan"[All Fields]
31	glycation	"glycation"[All Fields]
32	glycobiology	"glycobiology"[All Fields]
33	glycoconjugate	"glycoconjugates"[All Fields] OR "glycoconjugate"[All Fields]
34	glycome	"glycome"[All Fields]
35	glycomic	"glycomics"[All Fields] OR "glycomic"[All Fields]
36	glycopeptide	"glycopeptides"[All Fields] OR "glycopeptide"[All Fields]
37	glycoproteomic	"glycoproteomics"[All Fields] OR "glycoproteomic"[All Fields]
38	glycosidase	"glycosidase"[All Fields]
39	glycosphingolipid	"glycosphingolipids"[All Fields] OR "glycosphingolipid"[All Fields]
40	glycosylation	"glycosylation"[All Fields]
41	glycosylceramide	"glycosylceramide"[All Fields] OR "glycosylceramides"[All Fields]
42	glycosylphosphatidylinositol (GPI)	"glycosylphosphatidylinositols"[All Fields] OR "glycosylphosphatidylinositol"[All Fields]
43	glycosylphosphatidylinositol-anchor	"glycosylphosphatidylinositol-anchor"[All Fields] OR "GPI-anchor"[All Fields]
44	glycosyltransferase	"glycosyltransferases"[All Fields] OR "glycosyltransferase"[All Fields]
45	heparan sulfate	"heparan sulphate"[All Fields] OR "heparitin sulfate"[All Fields] OR "heparan sulfate"[All Fields]
46	heparanase	"heparanase"[All Fields]

47	heparin	"heparin"[All Fields]
48	heparinase	"heparinase"[All Fields]
49	heparitinase	"heparitinase"[All Fields]
50	hyaluronan synthase	"hyaluronan synthase"[All Fields]
51	hyaluronan, hyaluronic acid, hyaluronate	"hyaluronic acid"[All Fields] OR "hyaluronan"[All Fields] OR "hyaluronate"[All Fields]
52	hyaluronidase	"hyaluronidase"[All Fields]
53	keratan sulfate	"keratan sulphate"[All Fields] OR "keratan sulfate"[All Fields] OR "keratan sulfates"[All Fields]
54	keratanase	"keratanase"[All Fields]
55	lactosylceramide	"lactosylceramides"[All Fields] OR "lactosylceramide"[All Fields]
56	lectin	"lectins"[All Fields] OR "lectin"[All Fields]
57	lipopolysaccharide	"lipopolysaccharides"[All Fields] OR "lipopolysaccharide"[All Fields]
58	mannose 6-phosphate	"mannose-6-phosphate"[All Fields] OR "mannose 6 phosphate"[All Fields]
59	mannosidase	"mannosidases"[All Fields] OR "mannosidase"[All Fields]
60	mucin	"mucins"[All Fields] OR "mucin"[All Fields]
61	neoglycolipid	"neoglycolipids"[All Fields] OR "neoglycolipid"[All Fields]
62	neoglycoprotein	"neoglycoproteins"[All Fields] OR "neoglycoprotein"[All Fields]
63	N-glycan	"N-glycans"[All Fields] OR "N-glycan"[All Fields]
64	N-glycoprotein, N-linked glycoprotein	"N-glycoprotein"[All Fields] OR "N-glycoproteins"[All Fields] OR "N-linked glycoprotein"[All Fields] OR "N-linked glycoproteins"[All Fields]
65	N-glycosylation	"N-glycosylation"[All Fields]
66	N-linked glycosylation	"N-linked glycosylation"[All Fields]
67	N-linked oligosaccharide	"N-linked oligosaccharides"[All Fields] OR "N-linked oligosaccharide"[All Fields]
68	O-glycan	"O-glycans"[All Fields] OR "O-glycan"[All Fields]
69	O-glycoprotein, O-linked glycoprotein	"O-glycoprotein"[All Fields] OR "O-glycoproteins"[All Fields] OR "O-linked glycoprotein"[All Fields] OR "O-linked glycoproteins"[All Fields]
70	O-glycosylation	"O-glycosylation"[All Fields]
71	oligosaccharide	"oligosaccharides"[All Fields] OR "oligosaccharide"[All Fields]
72	oligosaccharyltransferase	"oligosaccharyltransferase"[All Fields]
73	O-linked oligosaccharide	"O-linked oligosaccharide"[All Fields] OR "O-linked oligosaccharides"[All Fields]
74	polylactosamine	"polylactosamine"[All Fields]
75	polysaccharide	"polysaccharides"[All Fields] OR "polysaccharide"[All Fields]
76	polysialic acid	"polysialic acid"[All Fields]
77	polysialyltransferase	"polysialyltransferase"[All Fields]
78	protein glycosylation	"protein glycosylation"[All Fields]
79	proteome	"proteome"[All Fields]
80	proteomic	"proteomics"[All Fields] OR "proteomic"[All Fields]
81	saccharide	"saccharide"[All Fields]
82	sialic acid	"sialic acid"[All Fields]
83	sialidase	"sialidase"[All Fields]
84	sialylation	"sialylation"[All Fields]
85	sialyltransferase	"sialyltransferases"[All Fields] OR "sialyltransferase"[All Fields]
86	sulfated polysaccharide	"sulfated polysaccharide[ALL FIELDS] OR "sulfated polysaccharides"[ALL FIELDS]
87	sulfotransferase	"sulfotransferases"[All Fields] OR "sulfotransferase"[All Fields]
88	transglycosylation	"transglycosylation"[All Fields]
89	trans-sialidase	"trans-sialidase"[All Fields] OR "trans sialidase"[All Fields]

[Back to Top](#)

[Back to Index](#)

Search conducted:

October 27 - November 5, 2011

Search period:

Every 5 years between 1950 - 2009.

Search query example:

1. Combined search: ("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("adhesion"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])
2. Single term search (total): ("adhesion"[All Fields]) AND ("0"[Publication Date] : "3000"[Publication Date])

Search terms:

1	adhesion	"adhesion"[All Fields]
2	adhesion molecule	"adhesion molecules"[All Fields] OR "adhesion molecule"[All Fields]
3	aging	"aging"[All Fields]
4	analysis	"analysis"[All Fields]
5	angiogenesis	"angiogenesis"[All Fields]
6	antisense	"antisense"[All Fields]
7	apoptosis	"apoptosis"[All Fields]
8	biophysics	"biophysics"[All Fields]
9	biosynthesis	"biosynthesis"[All Fields]
10	capillary electrophoresis	"capillary electrophoresis"[All Fields]
11	cell adhesion	"cell adhesion"[All Fields]
12	cell cycle	"cell cycle"[All Fields]
13	cell-cell interaction	"cell cell interaction"[All Fields]
14	chemical synthesis	"chemical synthesis"[All Fields]
15	chemotaxis	"chemotaxis"[All Fields]
16	cloning	"cloning"[All Fields]
17	conformation	"conformation"[All Fields]
18	cosmetic surgery/aesthetic surgery	"cosmetic surgery"[All Fields] OR "plastic surgery"[All Fields] OR "aesthetic surgery"[All Fields]
19	cytotoxicity	"cytotoxicity"[All Fields]
20	development	"development"[All Fields]
21	diagnosis	"diagnosis"[All Fields]
22	differentiation	"differentiation"[All Fields]
23	disease	"disease"[All Fields]
24	drug delivery	"drug delivery"[All Fields]
25	elicitor	"elicitor"[All Fields]
26	endocytosis	"endocytosis"[All Fields]
27	endoscopy	"endoscopy"[All Fields]
28	enzyme	"enzymes"[All Fields] OR "enzyme"[All Fields]
29	evolution	"evolution"[All Fields]
30	expression cloning	"expression cloning"[All Fields]
31	fertilization	"fertilisation"[All Fields] OR "fertilization"[All Fields]
32	function	"function"[All Fields]
33	gene	"genes"[All Fields] OR "gene"[All Fields]
34	gene expression	"gene expression"[All Fields]
35	gene regulation	"gene regulation"[All Fields]
36	gene targeting	"gene targeting"[All Fields]
37	gene therapy	"gene therapy"[All Fields]
38	human	"humans"[All Fields] OR "human"[All Fields]
39	immunity	"immunity"[All Fields]
40	immunology	"immunology"[All Fields]
41	inflammatory	"inflammatory"[All Fields]
42	knock-down, knockdown	"knockdown"[All Fields] OR "knock down"[All Fields]
43	knock-out, knockout	"knockout"[All Fields] OR "knock out"[All Fields]
44	mass spectrometry	"mass spectrometry"[All Fields]
45	medicine	"medicine"[All Fields]
46	migration	"migration"[All Fields]
47	molecular recognition	"molecular recognition"[All Fields]
48	molecular remodeling	"molecular remodeling"[All Fields]
49	morphogenesis	"morphogenesis"[All Fields]
50	mutagenesis	"mutagenesis"[All Fields]
51	nervous system	"nervous system"[All Fields]
52	NMR	"nuclear magnetic resonance"[All Fields] OR "NMR"[All Fields]
53	nutrition	"nutrition"[All Fields]
54	plant	"plants"[All Fields] OR "plant"[All Fields]
55	proliferation	"proliferation"[All Fields]
56	quality control	"quality control"[All Fields]
57	recognition	"recognition"[All Fields]
58	regenerative medicine	"regenerative medicine"[All Fields]
59	remodeling	"remodeling"[All Fields] OR "remodelling"[All Fields]
60	signal transduction, signaling	"signal transduction"[All Fields] OR "signaling"[All Fields]
61	structural analysis	"structural analysis"[All Fields]
62	structure	"structure"[All Fields]
63	synaptogenesis	"synaptogenesis"[All Fields]
64	synthesis	"synthesis"[All Fields]
65	transgenic	"transgenic"[All Fields]
66	x-ray crystallography	"x-ray crystallography"[All Fields] OR "x ray crystallography"[All Fields]

Search conducted:

October 24 - November 7, 2011

[→Table 5-1](#)

[Back to Index](#)

Search period:

Every 5 years between 1950 - 2009

Search query example:

1. Combined search: ("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("antibody"[All Fields] OR "antibodies"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

2. Single term search (total): ("antibody"[All Fields] OR "antibodies"[All Fields]) AND ("0"[Publication Date] : "3000"[Publication Date])

Search terms:

1	antibody	"antibody"[All Fields] OR "antibodies"[All Fields]
2	bacteria	"bacteria"[All Fields]
3	basement membrane	"basement membrane"[All Fields]
4	brain	"brain"[All Fields]
5	c.elegans	"caenorhabditis elegans"[All Fields] OR "c elegans"[All Fields]
6	cadherin	"cadherins"[All Fields] OR "cadherin"[All Fields]
7	calnexin	"calnexin"[All Fields]
8	cartilage	"cartilage"[All Fields]
9	caveolae	"caveolae"[All Fields]
10	cDNA	"complementary dna"[All Fields] OR "cdna"[All Fields]
11	chaperone	"chaperones"[All Fields] OR "chaperone"[All Fields]
12	chemokine	"chemokines"[All Fields] OR "chemokine"[All Fields]
13	collagen	"collagen"[All Fields]
14	complement	"complement"[All Fields]
15	cytokine	"cytokines"[All Fields] OR "cytokine"[All Fields]
16	drosophila	"drosophila"[All Fields]
17	endothelial cell	"endothelial cells"[All Fields] OR "endothelial cell"[All Fields]
18	extracellular matrix (ECM)	"extracellular matrix"[All Fields]
19	fibroblast growth factor (FGF)	"fibroblast growth factor"[All Fields] OR "FGF"[All Fields]
20	fibronectin	"fibronectins"[All Fields] OR "fibronectin"[All Fields]
21	free radical	"free radicals"[All Fields] OR "free radical"[All Fields]
22	galectin	"galectins"[All Fields] OR "galectin"[All Fields]
23	golgi	"golgi"[All Fields]
24	growth factor	"growth factor"[All Fields]
25	hormone	"hormones"[All Fields] OR "hormone"[All Fields]
26	induced pluripotent stem cell (iPS cell)	"induced pluripotent stem cells"[All Fields] OR "induced pluripotent stem cell" OR "iPS cell"[All Fields] OR "iPS cells"[All Fields]
27	inhibitor	"inhibitor"[All Fields]
28	integrin	"integrins"[All Fields] OR "integrin"[All Fields]
29	laminin	"laminin"[All Fields]
30	ligand	"ligands"[All Fields] OR "ligand"[All Fields]
31	lymphocyte	"lymphocytes"[All Fields] OR "lymphocyte"[All Fields]
32	lysosome	"lysosomes"[All Fields] OR "lysosome"[All Fields]
33	macrophage	"macrophages"[All Fields] OR "macrophage"[All Fields]
34	neuron	"neurons"[All Fields] OR "neuron"[All Fields]
35	nitric oxide	"nitric oxide"[All Fields]
36	pylori	"pylori"[All Fields]
37	receptor	"receptor"[All Fields]
38	recombinant	"recombinant"[All Fields]
39	selectin	"selectins"[All Fields] OR "selectin"[All Fields]
40	sugar chip	"sugar chips"[All Fields]
41	T cell	"t-lymphocytes"[All Fields] OR "t cell"[All Fields]
42	tenascin	"tenascin"[All Fields]
43	tumor marker, cancer marker	"cancer marker"[All Fields] OR "tumor marker"[All Fields]
44	xenotransplantation	"heterologous transplantation"[All Fields] OR "xenotransplantation"[All Fields]

[Back to Top](#)

[Back to Index](#)

Search conducted:

October 29 - December 5, 2011

Search period:

Every 5 years between 1950 - 2009

Search query example:

1. Combined search: ("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("allergy"[All Fields] OR "allergies"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

2. Single term search (total): ("acidosis"[All Fields]) AND ("0"[Publication Date] : "3000"[Publication Date])

Search terms:

1	acidosis	"acidosis"[All Fields]
2	AIDS	"acquired immunodeficiency syndrome"[All Fields] OR "aids"[All Fields]
3	allergy	"allergy"[All Fields] OR "allergies"[All Fields]
4	Alzheimer's disease	"alzheimer disease"[All Fields] OR "alzheimer's disease"[All Fields]
5	amyotrophic lateral sclerosis (ALS)	"amyotrophic lateral sclerosis"[All Fields]
6	anemia	"anaemia"[All Fields]OR "anemia"[All Fields]
7	angina, (angina pectoris)	"angina pectoris"[All Fields] OR "angina"[All Fields]
8	apoplexy	"apoplexy"[All Fields]
9	arteriosclerosis	"arteriosclerosis"[All Fields]
10	arthritis	"arthritis"[All Fields]
11	articular rheumatism	"articular rheumatism"[All Fields]
12	articular rheumatism OR rheumatoid arthritis	"articular rheumatism"[All Fields] OR "rheumatoid arthritis"[All Fields]
13	asthma	"asthma"[All Fields]
14	atherosclerosis	"atherosclerosis"[All Fields]
15	atopic dermatitis	"atopic dermatitis"[All Fields]
16	autoimmune disorder	"autoimmune diseases"[All Fields] OR "autoimmune disorder"[All Fields]
17	cancer	"cancer"[All Fields]
18	cardiomyopathy	"cardiomyopathies"[All Fields] OR "cardiomyopathy"[All Fields]
19	cataract	"cataract"[All Fields]
20	CDG, congenital disorders of glycosylation	"congenital disorders of glycosylation"[All Fields]
21	cerebral hemorrhage	"cerebral haemorrhage"[All Fields] OR "cerebral hemorrhage"[All Fields]
22	cerebral infarction	"cerebral infarction"[All Fields]
23	cerebral palsy	"cerebral palsy"[All Fields]
24	cholera	"cholera"[All Fields]
25	cirrhosis	"cirrhosis"[All Fields]
26	communicable disease	"communicable diseases"[All Fields] OR "communicable disease"[All Fields]
27	connective tissue disease	"connective tissue diseases"[All Fields] OR "connective tissue disease"[All Fields]
28	Creutzfeldt-Jakob disease (CJD)	"creutzfeldt-jakob syndrome"[All Fields] OR "creutzfeldt jakob disease"[All Fields]
29	Crohn's disease	"crohn disease"[All Fields] OR "crohn's disease"[All Fields]
30	cystitis	"cystitis"[All Fields]
31	depressive disorder	"depressive disorder"[All Fields]
32	dermatitis	"dermatitis"[All Fields]
33	diabetes	"diabetes"[All Fields]
34	diabetic nephropathy	"diabetic nephropathies"[All Fields] OR "diabetic nephropathy"[All Fields]
35	diphtheria	"diphtheria"[All Fields]
36	disc herniation	"disc herniation"[All Fields]
37	emphysema	"emphysema"[All Fields]
38	epidemic disease	"epidemic disease"[All Fields]
39	Fabry disease	"fabry disease"[All Fields]
40	Gaucher's disease	"gaucher disease"[All Fields] OR "gaucher's disease"[All Fields]
41	genetic disease	"genetic disease"[All Fields]
42	Guillain-Barre syndrome	"guillain-barre syndrome"[All Fields] OR "guillain barre syndrome"[All Fields]
43	heart failure	"heart failure"[All Fields]
44	hepatitis	"hepatitis"[All Fields]
45	hereditary disease	"hereditary disease"[All Fields]
46	hereditary disorder	"hereditary disorder"[All Fields]
47	herpes	"herpes"[All Fields]
48	high blood pressure	"high blood pressure"[All Fields]
49	HIV	"hiv"[All Fields] OR "human immunodeficiency virus"[All Fields]
50	hyperlipemia	"hyperlipidemias"[All Fields] OR "hyperlipemia"[All Fields]
51	hypertension	"hypertension"[All Fields]
52	IgA nephropathy	"iga glomerulonephritis"[All Fields] OR "iga nephropathy"[All Fields]
53	infection	"infection"[All Fields]
54	inflammation	"inflammation"[All Fields]
55	influenza	"influenza"[All Fields]
56	inherited metabolic disorder (IMD)	"inherited metabolic disorder"[All Fields]
57	insomnia	"insomnia"[All Fields]
58	interstitial pneumonia	"interstitial pneumonia"[All Fields]
59	leukemia	"leukaemia"[All Fields] OR "leukemia"[All Fields]
60	life style disease	"life style disease"[All Fields] OR "lifestyle disease"[All Fields]
61	lung fibrosis	"pulmonary fibrosis"[All Fields] OR "lung fibrosis"[All Fields]
62	lymphoma	"lymphoma"[All Fields]
63	lysosomal disease	"lysosomal storage disease"[All Fields]
64	malaria	"malaria"[All Fields]
65	malignancy	"malignancy"[All Fields]
66	metastasis	"metastasis"[All Fields]
67	mucopolysaccharidosis, MPS	"mucopolysaccharidoses"[All Fields] OR "mucopolysaccharidosis"[All Fields]
68	multiple sclerosis (MS)	"multiple sclerosis"[All Fields]
69	muscular dystrophy	"muscular dystrophies"[All Fields] OR "muscular dystrophy"[All Fields]
70	myocardial infarction	"myocardial infarction"[All Fields]
71	neurological disorder	"neurological disorder"[All Fields]
72	neuromuscular disease	"neuromuscular diseases"[All Fields] OR "neuromuscular disease"[All Fields]
73	osteoarthritis	"osteoarthritis"[All Fields]
74	osteoporosis	"osteoporosis"[All Fields]
75	pancreatitis	"pancreatitis"[All Fields]
76	parasitic disease	"parasitic diseases"[All Fields] OR "parasitic disease"[All Fields]
77	Parkinson's disease	"parkinson disease"[All Fields] OR "parkinson's disease"[All Fields]
78	pollinosis (hay fever, HF)	"pollinosis"[All Fields] OR "hay fever"[All Fields]
79	rheumatoid arthritis	"rheumatoid arthritis"[All Fields]
80	schizophrenia	"schizophrenia"[All Fields]
81	spinal cord injury	"spinal cord injuries"[All Fields] OR "spinal cord injury"[All Fields]
82	subarachnoid hemorrhage	"subarachnoid haemorrhage"[All Fields] OR "subarachnoid hemorrhage"[All Fields]
83	thrombosis	"thrombosis"[All Fields]
84	tuberculosis, TB	"tuberculosis"[All Fields]
85	tumor	"tumour"[All Fields] OR "tumor"[All Fields]
86	vaccine	"vaccines"[All Fields] OR "vaccine"[All Fields]
87	viral disease	"virus diseases"[All Fields] OR "viral disease"[All Fields]
88	virus	"viruses"[All Fields] OR "virus"[All Fields]

[→Table 6](#)

Search conducted:

December 6, 2011

Search period:

Every 5 years between 1950 - 2009

Search query example:

1. Combined search: ("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("allergy"[All Fields] OR "allergies"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

2. Single term search (total): ("bladder cancer"[All Fields]) AND ("0"[Publication Date] : "3000"[Publication Date])

Search terms:

1	bladder	"bladder cancer"[All Fields]
2	blood	"blood cancer"[All Fields] OR "hematologic cancer"[All Fields]
3	brain	"brain cancer"[All Fields]
4	breast	"breast cancer"[All Fields]
5	colon	"colon cancer"[All Fields]
6	esophageal	"esophageal cancer"[All Fields]
7	kidney	"kidney cancer"[All Fields]
8	liver	"liver cancer"[All Fields]
9	lung	"lung cancer"[All Fields]
10	ovarian	"ovarian cancer"[All Fields]
11	pancreatic	"pancreatic cancer"[All Fields]
12	prostate	"prostate cancer"[All Fields]
13	rectum,rectal	"rectum cancer"[All Fields] OR "rectal cancer"[All Fields]
14	skin	"skin cancer"[All Fields]
15	stomach, gastric	"stomach cancer"[All Fields] OR "gastric cancer"[All Fields]
16	testicular	"testicular cancer"[All Fields]
17	throat	"throat cancer"[All Fields]
18	thyroid	"thyroid cancer"[All Fields]
19	tongue	"tongue cancer"[All Fields]
20	uterine	"uterine cancer"[All Fields]
21	uterine cervical	"uterine cervical cancer"[All Fields]

[Back to Top](#)

[Back to Index](#)

Table 6 Comparison in number of papers searched by major countries(affiliation) of the first author,
combined search with the 4 major glycoscience research areas published every 5 years from 1950 - 2009.

[→Table 7](#)

Copyright © 2012 All rights reserved. Glycoforum

Search conducted:

December 8 - December 12 2011

Search period:

Every 5 years between 1950 - 2009

Search query example:

("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("USA"[All Fields] OR "United States of America"[All Fields]) AND ("1950"[Publication Date] : "1954"[Publication Date])

Search terms:

1	Japan	"Japan"[All Fields]
2	USA	"USA"[All Fields] OR "United States of America"[All Fields]
3	UK	"UK"[All Fields] OR "United Kingdom"[All Fields]
4	China	"China"[All Fields] OR "people's republic of china"[All Fields]
5	Korea	"Korea"[All Fields] OR "Republic of Korea"[All Fields]
6	France	"France"[All Fields]
7	Germany	"Germany"[All Fields]
8	Russia	"Russia"[All Fields]
9	Australia	"Australia"[All Fields]
10	Argentina	"Argentina"[All Fields]
11	Brazil	"Brazil"[All Fields]
12	India	"India"[All Fields]

[Back to Top](#)

[Back to Index](#)

Table 7 Number of papers searched by Journals, combined search with the 4 major glycoscience research areas published every 5 years from 1950 - 2009
 Copyright © 2012 All rights reserved. Glycoforum

[→Additional Information \(Journal Info\)](#)

Search conducted:

November 13 - December 6, 2011

[Back to Index](#)

Search period:

Every 5 years between 1970 - 2009

Search query example:

1. Combined search: ("glycoprotein"[All Fields] OR "glycoproteins"[All Fields]) AND ("AIDS"[Jour]) AND ("1950"[Publication Date] : "1954"[Publication Date])
2. Single term search (total): ("AIDS"[Jour]) AND ("0"[Publication Date] : "3000"[Publication Date])

Search terms:

1	AIDS	"AIDS"[Jour]
2	Analytical Biochemistry	"Anal Biochem"[Jour]
3	Annals of the Rheumatic Diseases	"Ann Rheum Dis"[Jour]
4	Annals of surgery	"Ann Surg"[Jour]
5	Arthritis and rheumatism	"Arthritis Rheum"[Jour]
6	Biochemical and biophysical research communications	"Biochem Biophys Res Commun"[Jour]
7	The Biochemical journal	"Biochem J"[Jour]
8	Biochemistry	"Biochemistry"[Jour]
9	Biochimica et Biophysica Acta	"Biochim Biophys Acta"[Jour]
10	Biomaterials	"Biomaterials"[Jour]
11	Blood	"Blood"[Jour]
12	Blood coagulation & fibrinolysis : an international journal in haemostasis and thrombosis	"Blood Coagul Fibrinolysis"[Jour]
13	The British journal of dermatology	"Br J Dermatol"[Jour]
14	Brain research	"Brain Res"[Jour]
15	Cancer research	"Cancer Res"[Jour]
16	Carbohydrate research	"Carbohydr Res"[Jour]
17	Cell	"Cell"[Jour]
18	Circulation	"Circulation"[Jour]
19	Clinical cancer research : an official journal of the American Association for Cancer Research	"Clin Cancer Res"[Jour]
20	Connective tissue research	"Connect Tissue Res"[Jour]
21	Developmental biology	"Dev Biol"[Jour]
22	The EMBO journal	"EMBO J"[Jour]
23	European journal of biochemistry / FEBS	"Eur J Biochem"[Jour]
24	European journal of immunology	"Eur J Immunol"[Jour]
25	Experimental cell research	"Exp Cell Res"[Jour]
26	The FASEB journal : official publication of the Federation of American Societies for Experimental	"FASEB J"[Jour]
27	The FEBS journal	"FEBS J"[Jour]
28	FEBS letters	"FEBS Lett"[Jour]
29	Gastroenterology	"Gastroenterology"[Jour]
30	Glycobiology	"Glycobiology"[Jour]
31	Glycoconjugate journal	"Glycoconj J"[Jour]
32	Infection and immunity	"Infect Immun"[Jour]
33	Infection	"Infection"[Jour]
34	Journal of the American Chemical Society	"J Am Chem Soc"[Jour]
35	The Journal of antibiotics	"J Antibiot"[Jour]
36	Journal of biochemistry	"J Biochem"[Jour]
37	The Journal of biological chemistry	"J Biol Chem"[Jour]
38	The Journal of cell biology	"J Cell Biol"[Jour]
39	Journal of cellular physiology	"J Cell Physiol"[Jour]
40	The Journal of clinical investigation	"J Clin Invest"[Jour]
41	The Journal of experimental medicine	"J Exp Med"[Jour]
42	The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society	"J Histochem Cytochem"[Jour]
43	The Journal of immunology : official journal of the American Association of Immunologists.	"J Immunol"[Jour]
44	The Journal of infection	"J Infect"[Jour]
45	The Journal of investigative dermatology	"J Invest Dermatol"[Jour]
46	Journal of medicinal chemistry	"J Med Chem"[Jour]
47	Journal of neurochemistry	"J Neurochem"[Jour]
48	The Journal of pharmacy and pharmacology	"J Pharm Pharmacol"[Jour]
49	The Journal of rheumatology	"J Rheumatol"[Jour]
50	The Journal of urology	"J Urol"[Jour]
51	Lancet	"Lancet"[Jour]
52	Matrix Biology	"Matrix Biol"[Jour]
53	Molecular cell	"Mol Cell"[Jour]
54	Molecular and cellular biology	"Mol Cell Biol"[Jour]
55	The New England journal of medicine	"N Engl J Med"[Jour]
56	Nature Genetics	"Nature"[Jour]
57	Nature Immunology	"Nat Genet"[Jour]
58	Nature Medicine	"Nat Immunol"[Jour]
59	Nature structural biology	"Nat Med"[Jour]
60	Nature	"Nat Struct Biol"[Jour]
61	Neurochemical research	"Neurochem Res"[Jour]
62	Proceedings of the National Academy of Sciences of the United States of America	"Proc Natl Acad Sci U S A"[Jour]
63	Science	"Science"[Jour]
64	Spine	"Spine"[Jour]

[Back to Top](#)

[Back to Index](#)

Journal information

Copyright © 2012 All rights reserved. Glycoforum

[Back to Index](#)

Impact factor was retrieved from the Journal's HP. A blank column means that the impact factor was not listed (2012.2/3).

	Journal Abbreviations (NLM)	Journal Title	Publication Start Year	Publication End Year	Continue?	Broad Subject (NLM)	NCBI tag	2010 ISI Impact
1	AIDS	AIDS	1987			Acquired Immunodeficiency Syndrome		6.348
2	Anal Biochem	Analytical Biochemistry	1960			Biochemistry		3.236
3	Ann Rheum Dis	Annals of the Rheumatic Diseases	1939			Rheumatology		9.082
4	Ann Surg	Annals of surgery	1885			General Surgery	Core Clinical Journal	7.474
5	Arthritis Rheum	Arthritis and rheumatism	1958			Rheumatology	Core Clinical Journal	8.435
6	Biochem Biophys Res Commun	Biochemical and biophysical research	1959			Biochemistry, Biophysics		2.595
7	Biochem J	The Biochemical journal	1906			Biochemistry		5.016
8	Biochemistry	Biochemistry	1962			Biochemistry		3.226
9	Biochim Biophys Acta	Biochimica et Biophysica Acta	1947			Biochemistry, Biophysics		4.663
10	Biomaterials	Biomaterials	1980			Biomedical Engineering		7.882
11	Blood	Blood	1946			Hematology	Core Clinical Journal	10.558
12	Blood Coagul Fibrinolysis	Blood coagulation & fibrinolysis : an international journal in haemostasis and thrombosis	1990			Hematology, Vascular Diseases		1.408
13	Br J Dermatol	The British journal of dermatology	1951			Dermatology		4.353
14	Brain Res	Brain research	1966			Brain		2.623
15	Cancer Res	Cancer research	1941			Neoplasms		8.234
16	Carbohydr Res	Carbohydrate research	1965			Biochemistry, Metabolism		1.898
17	Cell	Cell	1974			Cell Biology		32.401
18	Circulation	Circulation	1950			Cardiology, Vascular Diseases		14.816
19	Clin Cancer Res	Clinical cancer research : an official journal of the American Association for Cancer Research	1995			Neoplasms		7.338
20	Connect Tissue Res	Connective tissue research	1972			Rheumatology		2.093
21	Dev Biol	Developmental biology	1959			Biology, Embryology		4.094
22	EMBO J	The EMBO journal	1982			Biotechnology, Molecular Biology		10.124
23	Eur J Biochem	European journal of biochemistry / FEBS	1967	2004	Continued	Biochemistry		—
24	Eur J Immunol	European journal of immunology	1971			Allergy and Immunology		4.942
25	Exp Cell Res	Experimental cell research	1950			Cell Biology		3.609
26	FASEB J	The FASEB journal : official publication of the Federation of American Societies for Experimental	1987			Biology, Physiology		7.049
27	FEBS J	The FEBS journal	2005			Biochemistry		3.129
28	FEBS Lett	FEBS letters	1968			Biochemistry		3.601
29	Gastroenterology	Gastroenterology	1943			Gastroenterology	Core Clinical Journal	12.032
30	Glycobiology	Glycobiology	1990			Biochemistry		3.791
31	Glycoconj J	Glycoconjugate journal	1984			Biochemistry, Metabolism		2.7
32	Infect Immun	Infection and immunity	1970			Allergy and Immunology, Communicable Diseases		4.098
33	Infection	Infection	1973			Allergy and Immunology, Communicable Diseases		2.244
34	J Am Chem Soc	Journal of the American Chemical Society	1879			Chemistry		9.023
35	J Antibiot	The Journal of antibiotics	1953			Anti-Bacterial Agents		1.628
36	J Biochem	Journal of biochemistry	1922		Publication	Biochemistry		2.145
37	J Biol Chem	The Journal of biological chemistry	1905			Biochemistry		—
38	J Cell Biol	The Journal of cell biology	1962			Cell Biology		—
39	J Cell Physiol	Journal of cellular physiology	1966			Cell Biology, Physiology		3.986
40	J Clin Invest	The Journal of clinical investigation	1924			Medicine	Core Clinical Journal	14.152
41	J Exp Med	The Journal of experimental medicine	1896			Allergy and Immunology, Medicine		—
42	J Histochem Cytochem	The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society	1953			Histochemistry		2.37
43	J Immunol	The Journal of immunology : official journal of the American Association of Immunologists	1950			Allergy and Immunology	Core Clinical Journal	5.745
44	J Infect	The Journal of infection	1979			Communicable Diseases		3.805
45	J Invest Dermatol	The Journal of investigative dermatology	1938			Dermatology		6.27
46	J Med Chem	Journal of medicinal chemistry	1963			Chemistry		5.207
47	J Neurochem	Journal of neurochemistry	1956			Chemistry, Neurology		4.337
48	J Pharm Pharmacol	The Journal of pharmacy and pharmacology	1949			Pharmacology, Pharmacy		1.918
49	J Rheumatol	The Journal of rheumatology	1974			Rheumatology		—
50	J Urol	The Journal of urology	1917			Urology	Core Clinical Journal	3.862
51	Lancet	Lancet	1823			Medicine	Core Clinical Journal	33.633
52	Matrix Biol	Matrix Biology	1994			Biochemistry, Molecular Biology		3.328
53	Mol Cell	Molecular cell	1997			Cell Biology, Molecular Biology		14.194
54	Mol Cell Biol	Molecular and cellular biology	1981			Cell Biology, Molecular Biology		6.057
55	N Engl J Med	The New England journal of medicine	1928			Medicine	Core Clinical Journal	53.48
56	Nat Genet	Nature Genetics	1992			Genetics, Medical		36.377
57	Nat Immunol	Nature Immunology	2000			Allergy and Immunology		25.668
58	Nat Med	Nature Medicine	1995			Medicine, Molecular Biology		25.43
59	Nat Struct Biol	Nature structural biology	1994	2003		Molecular Biology		13.685
60	Nature	Nature	1869			Science		36.101
61	Neurochem Res	Neurochemical research	1976			Chemistry, Neurology		2.608
62	Proc Natl Acad Sci U S A	Proceedings of the National Academy of Sciences of the United States of America	1915			Science		9.771
63	Science	Science	1880			Science		31.36
64	Spine	Spine	1976			Orthopedics		2.51

[Back to Top](#)

[Back to Index](#)