

Niclas Gårn Karlsson

List of Publications by Year in descending order

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152
papers

7,830
citations

41344

49
h-index

62596

80
g-index

164
all docs

164
docs citations

164
times ranked

7853
citing authors

#	ARTICLE	IF	CITATIONS
1	An Interactive View of Glycosylation. <i>Methods in Molecular Biology</i> , 2022, 2370, 41-65.	0.9	0
2	Computational Modeling of O-Linked Glycan Biosynthesis in CHO Cells. <i>Molecules</i> , 2022, 27, 1766.	3.8	4
3	Sulfated glycan recognition by carbohydrate sulfatases of the human gut microbiota. <i>Nature Chemical Biology</i> , 2022, 18, 841-849.	8.0	16
4	Colorectal cancer cell lines show striking diversity of their O-glycome reflecting the cellular differentiation phenotype. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 337-350.	5.4	34
5	Elastin-like recombinamers-based hydrogel modulates post-ischemic remodeling in a non-transmural myocardial infarction in sheep. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	56
6	The <i>O</i> -Glycome of Human Nigrostriatal Tissue and Its Alteration in Parkinson's Disease. <i>Journal of Proteome Research</i> , 2021, 20, 3913-3924.	3.7	20
7	Analysis of blood group antigens on MUC5AC in mucinous ovarian cancer tissues using <i>in situ</i> proximity ligation assay. <i>Glycobiology</i> , 2021, 31, 1464-1471.	2.5	3
8	Sulfation of O-glycans on Mucin-type Proteins From Serous Ovarian Epithelial Tumors. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100150.	3.8	1
9	A single sulfatase is required to access colonic mucin by a gut bacterium. <i>Nature</i> , 2021, 598, 332-337.	27.8	87
10	GlycoBioinformatics. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2726-2728.	2.2	2
11	Distinct glycosylation in membrane proteins within neonatal versus adult myocardial tissue. <i>Matrix Biology</i> , 2020, 85-86, 173-188.	3.6	19
12	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	3.8	87
13	Glycan analysis of human neutrophil granules implicates a maturation-dependent glycosylation machinery. <i>Journal of Biological Chemistry</i> , 2020, 295, 12648-12660.	3.4	22
14	Decrease of core 2 O-glycans on synovial lubricin in osteoarthritis reduces galectin-3 mediated crosslinking. <i>Journal of Biological Chemistry</i> , 2020, 295, 16023-16036.	3.4	7
15	Identification by mass spectrometry and immunoblotting of xenogeneic antigens in the N- and O-glycomes of porcine, bovine and equine heart tissues. <i>Glycoconjugate Journal</i> , 2020, 37, 485-498.	2.7	12
16	Cathepsin g Degrades Both Glycosylated and Unglycosylated Regions of Lubricin, a Synovial Mucin. <i>Scientific Reports</i> , 2020, 10, 4215.	3.3	14
17	Shotgun ion mobility mass spectrometry sequencing of heparan sulfate saccharides. <i>Nature Communications</i> , 2020, 11, 1481.	12.8	39
18	Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways. <i>Nature Communications</i> , 2020, 11, 3285.	12.8	102

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19	Interleukin-22-mediated host glycosylation prevents <i>Clostridioides difficile</i> infection by modulating the metabolic activity of the gut microbiota. <i>Nature Medicine</i> , 2020, 26, 608-617.	30.7	136
20	Glycosylation at an evolutionary nexus: the brittle star <i>Ophiactis savignyi</i> expresses both vertebrate and invertebrate N-glycomic features. <i>Journal of Biological Chemistry</i> , 2020, 295, 3173-3188.	3.4	12
21	iLoF: An intelligent Lab on Fiber Approach for Human Cancer Single-Cell Type Identification. <i>Scientific Reports</i> , 2020, 10, 3171.	3.3	8
22	Recombinant mucin-type proteins carrying LacdiNAc on different O-glycan core chains fail to support <i>H. pylori</i> binding. <i>Molecular Omics</i> , 2020, 16, 243-257.	2.8	8
23	Development of a 96-well plate sample preparation method for integrated N- and O-glycomics using porous graphitized carbon liquid chromatography-mass spectrometry. <i>Molecular Omics</i> , 2020, 16, 355-363.	2.8	47
24	Protein Paucimannosylation Is an Enriched N-Glycosylation Signature of Human Cancers. <i>Proteomics</i> , 2019, 19, e1900010.	2.2	52
25	Separation of Isomeric O-Glycans by Ion Mobility and Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 10604-10613.	6.5	40
26	Reduced sialyl-Lewis ^x on salivary MUC7 from patients with burning mouth syndrome. <i>Molecular Omics</i> , 2019, 15, 331-339.	2.8	10
27	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. <i>Nature Communications</i> , 2019, 10, 3275.	12.8	70
28	Deciphering Isomers with a Multiple Reaction Monitoring Method for the Complete Detectable O-Glycan Repertoire of the Candidate Therapeutic, Lubricin. <i>Analytical Chemistry</i> , 2019, 91, 9819-9827.	6.5	8
29	A targeted proteomics approach reveals a serum protein signature as diagnostic biomarker for resectable gastric cancer. <i>EBioMedicine</i> , 2019, 44, 322-333.	6.1	52
30	<i>Helicobacter suis</i> infection alters glycosylation and decreases the pathogen growth inhibiting effect and binding avidity of gastric mucins. <i>Mucosal Immunology</i> , 2019, 12, 784-794.	6.0	22
31	Exploring the Arctic Charr Intestinal Glycome: Evidence of Increased N-Glycolylneuraminic Acid Levels and Changed Host-Pathogen Interactions in Response to Inflammation. <i>Journal of Proteome Research</i> , 2019, 18, 1760-1773.	3.7	17
32	GlyConnect: Glycoproteomics Goes Visual, Interactive, and Analytical. <i>Journal of Proteome Research</i> , 2019, 18, 664-677.	3.7	95
33	Cracking the Sugar Code by Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1065-1074.	2.8	15
34	<i>Helicobacter suis</i> binding to carbohydrates on human and porcine gastric mucins and glycolipids occurs via two modes. <i>Virulence</i> , 2018, 9, 898-918.	4.4	29
35	Sample handling of gastric tissue and O-glycan alterations in paired gastric cancer and non-tumorigenic tissues. <i>Scientific Reports</i> , 2018, 8, 242.	3.3	16
36	Detection of post-translational modifications using solid-phase proximity ligation assay. <i>New Biotechnology</i> , 2018, 45, 51-59.	4.4	21

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37	BabA-mediated adherence of pediatric ulcerogenic <i>H. pylori</i> strains to gastric mucins at neutral and acidic pH. <i>Virulence</i> , 2018, 9, 1699-1717.	4.4	14
38	A novel ulvan lyase family with broad-spectrum activity from the ulvan utilisation loci of <i>Formosa agariphila</i> KMM 3901. <i>Scientific Reports</i> , 2018, 8, 14713.	3.3	35
39	Ulvan lyase from <i>Formosa agariphila</i> and its applicability in depolymerisation of ulvan extracted from three different <i>Ulva</i> species. <i>Algal Research</i> , 2018, 36, 106-114.	4.6	21
40	The Thomsen-Friedenreich Antigen: A Highly Sensitive and Specific Predictor of Microsatellite Instability in Gastric Cancer. <i>Journal of Clinical Medicine</i> , 2018, 7, 256.	2.4	14
41	Higher Energy Collisional Dissociation Mass Spectrometry of Sulfated O-Linked Oligosaccharides. <i>Journal of Proteome Research</i> , 2018, 17, 3259-3267.	3.7	5
42	Isomeric Separation and Recognition of Anionic and Zwitterionic N-glycans from Royal Jelly Glycoproteins. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2177-2196.	3.8	26
43	Glycomics@ExPASy: Bridging the Gap. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2164-2176.	3.8	48
44	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. <i>Glycobiology</i> , 2017, 27, 280-284.	2.5	69
45	Characterisation of lubricin in synovial fluid from horses with osteoarthritis. <i>Equine Veterinary Journal</i> , 2017, 49, 116-123.	1.7	30
46	Molecular synergy in biolubrication: The role of cartilage oligomeric matrix protein (COMP) in surface-structuring of lubricin. <i>Journal of Colloid and Interface Science</i> , 2017, 495, 200-206.	9.4	28
47	Influence of Glycosylation on Interfacial Properties of Recombinant Mucins: Adsorption, Surface Forces, and Friction. <i>Langmuir</i> , 2017, 33, 4386-4395.	3.5	14
48	Structural Diversity of Human Gastric Mucin Glycans. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 743-758.	3.8	66
49	<i>Aeromonas salmonicida</i> Growth in Response to Atlantic Salmon Mucins Differs between Epithelial Sites, Is Governed by Sialylated and N-Acetylhexosamine-Containing O-Glycans, and Is Affected by Ca ²⁺ . <i>Infection and Immunity</i> , 2017, 85, .	2.2	22
50	Cartilage oligomeric matrix protein forms protein complexes with synovial lubricin via non-covalent and covalent interactions. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 1496-1504.	1.3	14
51	Structural Diversity of Human Gastric Mucin Glycans. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 743-758.	3.8	100
52	Lubricin binds cartilage proteins, cartilage oligomeric matrix protein, fibronectin and collagen II at the cartilage surface. <i>Scientific Reports</i> , 2017, 7, 13149.	3.3	49
53	Glycoforest 1.0. <i>Analytical Chemistry</i> , 2017, 89, 10932-10940.	6.5	24
54	Versatile Separation and Analysis of Heparan Sulfate Oligosaccharides Using Graphitized Carbon Liquid Chromatography and Electrospray Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 8942-8950.	6.5	27

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55	GlyTouCan: an accessible glycan structure repository. <i>Glycobiology</i> , 2017, 27, 915-919.	2.5	123
56	Databases and Associated Tools for Glycomics and Glycoproteomics. <i>Methods in Molecular Biology</i> , 2017, 1503, 235-264.	0.9	44
57	High-Throughput Analysis of the Plasma N-Glycome by UHPLC. <i>Methods in Molecular Biology</i> , 2017, 1503, 97-108.	0.9	20
58	Next Generation &O-linked Glycomics. <i>Trends in Glycoscience and Glycotechnology</i> , 2017, 29, E35-E46.	0.1	12
59	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. <i>Glycobiology</i> , 2016, 26, 907-910.	2.5	62
60	Pregnancy-Associated Changes of IgG and Serum N-Glycosylation in Camel (<i>Camelus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (3.7	8
61	Recombinant Mucin-Type Fusion Proteins with a Gal \pm 1,3Gal Substitution as <i>Clostridium difficile</i> Toxin A Inhibitors. <i>Infection and Immunity</i> , 2016, 84, 2842-2852.	2.2	10
62	Glycomic and sialoproteomic data of gastric carcinoma cells overexpressing ST3GAL4. <i>Data in Brief</i> , 2016, 7, 814-833.	1.0	13
63	EndoSd: an IgG glycan hydrolyzing enzyme in <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> . <i>Future Microbiology</i> , 2016, 11, 721-736.	2.0	15
64	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. <i>Glycoconjugate Journal</i> , 2016, 33, 405-415.	2.7	25
65	Reduced Mucin-7 (Muc7) Sialylation and Altered Saliva Rheology in Sjögren's Syndrome Associated Oral Dryness. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1048-1059.	3.8	74
66	Glycomic analysis of gastric carcinoma cells discloses glycans as modulators of RON receptor tyrosine kinase activation in cancer. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1795-1808.	2.4	49
67	SugarBindDB, a resource of glycan-mediated host-pathogen interactions. <i>Nucleic Acids Research</i> , 2016, 44, D1243-D1250.	14.5	40
68	A Panel of Recombinant Mucins Carrying a Repertoire of Sialylated O-Glycans Based on Different Core Chains for Studies of Glycan Binding Proteins. <i>Biomolecules</i> , 2015, 5, 1810-1831.	4.0	16
69	The O-Linked Glycome and Blood Group Antigens ABO on Mucin-Type Glycoproteins in Mucinous and Serous Epithelial Ovarian Tumors. <i>PLoS ONE</i> , 2015, 10, e0130197.	2.5	27
70	Targeted release and fractionation reveal glucuronylated and sulphated N- and O-glycans in larvae of dipteran insects. <i>Journal of Proteomics</i> , 2015, 126, 172-188.	2.4	59
71	Salivary mucin MUC7 oligosaccharides in patients with recurrent aphthous stomatitis. <i>Clinical Oral Investigations</i> , 2015, 19, 2147-2152.	3.0	8
72	Atlantic Salmon Carries a Range of Novel O-Glycan Structures Differentially Localized on Skin and Intestinal Mucins. <i>Journal of Proteome Research</i> , 2015, 14, 3239-3251.	3.7	52

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73	O-glycan repertoires on a mucin-type reporter protein expressed in CHO cell pools transiently transfected with O-glycan core enzyme cDNAs. <i>Journal of Biotechnology</i> , 2015, 199, 77-89.	3.8	31
74	Identification of O-glycan Structures from Chicken Intestinal Mucins Provides Insight into <i>Campylobacter jejuni</i> Pathogenicity*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1464-1477.	3.8	32
75	Informatics and Analytical Tools for Glycan Analysis and the Development of Biotherapeutics. , 2015, , 173-192.		1
76	Bisecting Galactose as a Feature of N-Glycans of Wild-type and Mutant <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2111-2125.	3.8	32
77	Structural Aspects of N-Glycosylations and the C-terminal Region in Human Glypican-1. <i>Journal of Biological Chemistry</i> , 2015, 290, 22991-23008.	3.4	20
78	MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014, 24, 402-406.	2.5	116
79	The O-glycomap of Lubricin, a Novel Mucin Responsible for Joint Lubrication, Identified by Site-specific Glycopeptide Analysis. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3396-3409.	3.8	51
80	<i>Aeromonas salmonicida</i> Binds Differentially to Mucins Isolated from Skin and Intestinal Regions of Atlantic Salmon in an <i>N</i> -Acetylneuraminic Acid-Dependent Manner. <i>Infection and Immunity</i> , 2014, 82, 5235-5245.	2.2	42
81	Comparison of separation techniques for the elucidation of IgG N-glycans pooled from healthy mammalian species. <i>Carbohydrate Research</i> , 2014, 389, 174-185.	2.3	59
82	Toolboxes for a standardised and systematic study of glycans. <i>BMC Bioinformatics</i> , 2014, 15, S9.	2.6	58
83	GlycoDigest: a tool for the targeted use of exoglycosidase digestions in glycan structure determination. <i>Bioinformatics</i> , 2014, 30, 3131-3133.	4.1	29
84	Shiga-like toxin binds with high avidity to multivalent O-linked blood group P1 determinants on mucin-type fusion proteins. <i>Glycobiology</i> , 2014, 24, 26-38.	2.5	13
85	Validation of the curation pipeline of UniCarb-DB: Building a global glycan reference MS/MS repository. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 108-116.	2.3	58
86	O-glycosylation in <i>Spodoptera frugiperda</i> (Sf9) and <i>Trichoplusia ni</i> (Hi-5) insect cell lines is complex and include abundant hexuronic acid (Sf9 and Hi-5) and O-linked phosphocholine (Sf9). <i>Glycobiology</i> , 2013, 23, 273-273.	2.5	0
87	Mass Spectrometric Analysis of O-Linked Oligosaccharides from Various Recombinant Expression Systems. <i>Methods in Molecular Biology</i> , 2013, 988, 145-167.	0.9	5
88	Mucin-type fusion proteins with blood group A or B determinants on defined O-glycan core chains produced in glycoengineered Chinese hamster ovary cells and their use as immunoaffinity matrices. <i>Glycobiology</i> , 2013, 23, 720-735.	2.5	13
89	Mucin-type proteins produced in the <i>Trichoplusia ni</i> and <i>Spodoptera frugiperda</i> insect cell lines carry novel O-glycans with phosphocholine and sulfate substitutions. <i>Glycobiology</i> , 2013, 23, 778-796.	2.5	20
90	Selected Reaction Monitoring to Differentiate and Relatively Quantitate Isomers of Sulfated and Unsulfated Core 1 O-Glycans from Salivary MUC7 Protein in Rheumatoid Arthritis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 921-931.	3.8	29

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91	Not All Lubricin Isoforms Are Substituted with a Glycosaminoglycan Chain. <i>Connective Tissue Research</i> , 2012, 53, 132-141.	2.3	14
92	O-Linked glycome and proteome of high-molecular-mass proteins in human ovarian cancer ascites: Identification of sulfation, disialic acid and O-linked fucose. <i>Glycobiology</i> , 2012, 22, 918-929.	2.5	27
93	Presence of terminal N-acetylgalactosamine ¹ 21-4N-acetylglucosamine residues on O-linked oligosaccharides from gastric MUC5AC: Involvement in <i>Helicobacter pylori</i> colonization?. <i>Glycobiology</i> , 2012, 22, 1077-1085.	2.5	37
94	Human Synovial Lubricin Expresses Sialyl Lewis x Determinant and Has L-selectin Ligand Activity. <i>Journal of Biological Chemistry</i> , 2012, 287, 35922-35933.	3.4	49
95	Structural analysis of N- and O-glycans released from glycoproteins. <i>Nature Protocols</i> , 2012, 7, 1299-1310.	12.0	363
96	Structural Identification of O-Linked Oligosaccharides Using Exoglycosidases and MSn Together with UniCarb-DB Fragment Spectra Comparison. <i>Metabolites</i> , 2012, 2, 648-666.	2.9	12
97	Cross Validation of Liquid Chromatography–Mass Spectrometry and Lectin Array for Monitoring Glycosylation in Fed-Batch Glycoprotein Production. <i>Molecular Biotechnology</i> , 2012, 51, 272-282.	2.4	16
98	Statistical analysis of glycosylation profiles to compare tissue type and inflammatory disease state. <i>Bioinformatics</i> , 2012, 28, 1669-1676.	4.1	20
99	Glycomic Work-Flow for Analysis of Mucin O-Linked Oligosaccharides. <i>Methods in Molecular Biology</i> , 2012, 842, 141-163.	0.9	9
100	Glycans, the forgotten biomolecular actors of the big picture. <i>EMBnet Journal</i> , 2012, 18, 87.	0.6	1
101	The tumour-associated glycoprotein podoplanin is expressed in fibroblast-like synoviocytes of the hyperplastic synovial lining layer in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2011, 13, R40.	3.5	90
102	Perspective and Review of Mass Spectrometric Based Sulfoglycomics of N-Linked and O-Linked Oligosaccharides. <i>Current Proteomics</i> , 2011, 8, 278-296.	0.3	4
103	Negative Ion CID Fragmentation of <i>O</i> -linked Oligosaccharide Aldoses—Charge Induced and Charge Remote Fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1052-62.	2.8	17
104	UniCarbKB: Putting the pieces together for glycomics research. <i>Proteomics</i> , 2011, 11, 4117-4121.	2.2	55
105	Sulfate migration in oligosaccharides induced by negative ion mode ion trap collision–induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2611-2618.	1.5	28
106	Analysis of mucosal mucins separated by SDS–urea agarose polyacrylamide composite gel electrophoresis. <i>Electrophoresis</i> , 2011, 32, 3554-3563.	2.4	15
107	UniCarb-DB: a database resource for glycomic discovery. <i>Bioinformatics</i> , 2011, 27, 1343-1344.	4.1	128
108	Glycomic Analysis of Membrane-Associated Proteins. , 2011, , 497-513.		0

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109	The glycosylation of human synovial lubricin: implications for its role in inflammation. <i>Biochemical Journal</i> , 2010, 429, 359-367.	3.7	82
110	Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.	3.8	136
111	Deleted in Malignant Brain Tumors-1 Protein (DMBT1): A Pattern Recognition Receptor with Multiple Binding Sites. <i>International Journal of Molecular Sciences</i> , 2010, 11, 5212-5233.	4.1	71
112	O-linked oligosaccharides from salivary agglutinin: Helicobacter pylori binding sialyl-Lewis x and Lewis b are terminating moieties on hyperfucosylated oligo-N-acetyllactosamine. <i>Glycobiology</i> , 2010, 20, 1046-1057.	2.5	31
113	Salivary MUC7 is a major carrier of blood group I type O-linked oligosaccharides serving as the scaffold for sialyl Lewis x. <i>Glycobiology</i> , 2009, 19, 288-300.	2.5	58
114	Discovery and Identification of Serine and Threonine Phosphorylated Proteins in Activated Mast Cells: Implications for Regulation of Protein Synthesis in the Rat Basophilic Leukemia Mast Cell Line RBL-2H3. <i>Journal of Proteome Research</i> , 2009, 8, 3068-3077.	3.7	4
115	Small-Scale Enzymatic Digestion of Glycoproteins and Proteoglycans for Analysis of Oligosaccharides by LC-MS and FACE Gel Electrophoresis. , 2009, 534, 171-192.		8
116	Mucins in the mucosal barrier to infection. <i>Mucosal Immunology</i> , 2008, 1, 183-197.	6.0	953
117	Glycoproteomics of Milk: Differences in Sugar Epitopes on Human and Bovine Milk Fat Globule Membranes. <i>Journal of Proteome Research</i> , 2008, 7, 3687-3696.	3.7	82
118	Glycosylation of sputum mucins is altered in cystic fibrosis patients. <i>Glycobiology</i> , 2007, 17, 698-712.	2.5	85
119	Graphitized Carbon LC-MS Characterization of the Chondroitin Sulfate Oligosaccharides of Aggrecan. <i>Analytical Chemistry</i> , 2007, 79, 3597-3606.	6.5	51
120	Comparison of the methods for profiling glycoprotein glycans—HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422.	2.5	382
121	There Are No Facts, Only Interpretations. <i>Journal of Proteome Research</i> , 2006, 5, 1291-1292.	3.7	6
122	Mucin glycosylation changes in cystic fibrosis lung disease are not manifest in submucosal gland secretions. <i>Biochemical Journal</i> , 2005, 387, 911-919.	3.7	48
123	Use of graphitised carbon negative ion LC-MS to analyse enzymatically digested glycosaminoglycans. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 824, 139-147.	2.3	62
124	MUC5B glycosylation in human saliva reflects blood group and secretor status. <i>Glycobiology</i> , 2005, 15, 791-804.	2.5	71
125	Development of a mass fingerprinting tool for automated interpretation of oligosaccharide fragmentation data. <i>Proteomics</i> , 2004, 4, 1650-1664.	2.2	121
126	Negative ion graphitised carbon nano-liquid chromatography/mass spectrometry increases sensitivity for glycoprotein oligosaccharide analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2282-2292.	1.5	138

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127	Structural determination of neutral O-linked oligosaccharide alditols by negative ion LC-electrospray-MSn.. Journal of the American Society for Mass Spectrometry, 2004, 15, 659-672.	2.8	125
128	Mucins and their O-Glycans from human bronchial epithelial cell cultures. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L824-L834.	2.9	72
129	Proteomic Analysis of the Genetic Premature Aging Disease Hutchinson Gilford Progeria Syndrome Reveals Differential Protein Expression and Glycosylation. Journal of Proteome Research, 2003, 2, 556-557.	3.7	21
130	Identification of two highly sialylated human tear-fluid DMBT1 isoforms: the major high-molecular-mass glycoproteins in human tears. Biochemical Journal, 2002, 366, 511-520.	3.7	85
131	Sequential Analysis of N- and O-Linked Glycosylation of 2D-PAGE Separated Glycoproteins. Journal of Proteome Research, 2002, 1, 521-529.	3.7	127
132	Small-Scale Analysis of O-Linked Oligosaccharides from Glycoproteins and Mucins Separated by Gel Electrophoresis. Analytical Chemistry, 2002, 74, 6088-6097.	6.5	204
133	Blood Group A Glycosyltransferase Occurring as Alleles with High Sequence Difference Is Transiently Induced during a Nippostrongylus brasiliensis Parasite Infection. Journal of Biological Chemistry, 2002, 277, 15044-15052.	3.4	23
134	Analysis of O-Linked Reducing Oligosaccharides Released by an In-line Flow System. Analytical Biochemistry, 2002, 305, 173-185.	2.4	63
135	Purification and Chemical Characterization of the High Molecular Weight Glycoconjugate Fraction of the Bovine Tear Film and Comparison to Mucins from Other Sources. Advances in Experimental Medicine and Biology, 2002, 506, 341-345.	1.6	4
136	Neutralization of pH in the Golgi apparatus causes redistribution of glycosyltransferases and changes in the O-glycosylation of mucins. Glycobiology, 2001, 11, 633-644.	2.5	122
137	Identification of transient glycosylation alterations of sialylated mucin oligosaccharides during infection by the rat intestinal parasite Nippostrongylus brasiliensis. Biochemical Journal, 2000, 350, 805-814.	3.7	56
138	Identification of transient glycosylation alterations of sialylated mucin oligosaccharides during infection by the rat intestinal parasite Nippostrongylus brasiliensis. Biochemical Journal, 2000, 350, 805.	3.7	23
139	Isolectins from Solanum tuberosum with Different Detailed Carbohydrate Binding Specificities: Unexpected Recognition of Lactosylceramide by N-Acetyllactosamine-Binding Lectins. Journal of Biochemistry, 2000, 128, 855-687.	1.7	19
140	Novel Carbohydrate Binding Site Recognizing Blood Group A and B Determinants in a Hybrid of Cholera Toxin and Escherichia coli Heat-labile Enterotoxin B-subunits. Journal of Biological Chemistry, 2000, 275, 3231-3238.	3.4	44
141	Liquid chromatography-electrospray mass spectrometry as a tool for the analysis of sulfated oligosaccharides from mucin glycoproteins. Journal of Chromatography A, 1999, 854, 131-139.	3.7	90
142	Detection of cd43 (leukosialin) in colon adenoma and adenocarcinoma by novel monoclonal antibodies against its intracellular domain. , 1999, 82, 52-58.		21
143	Different O-glycosylation of respiratory mucin glycopeptides from a patient with cystic fibrosis. Glycoconjugate Journal, 1998, 15, 823-833.	2.7	20
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