

# 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	Mucins in the mucosal barrier to infection. <i>Mucosal Immunology</i> , 2008, 1, 183-197.	6.0	953
2	Comparison of the methods for profiling glycoprotein glycansâ€”HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycobiology</i> , 2007, 17, 411-422.	2.5	382
3	Structural analysis of N- and O-glycans released from glycoproteins. <i>Nature Protocols</i> , 2012, 7, 1299-1310.	12.0	363
4	Small-Scale Analysis of O-Linked Oligosaccharides from Glycoproteins and Mucins Separated by Gel Electrophoresis. <i>Analytical Chemistry</i> , 2002, 74, 6088-6097.	6.5	204
5	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
6	Comparison of Methods for Profiling O-Glycosylation. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 719-727.	3.8	136
7	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
8	UniCarb-DB: a database resource for glycomic discovery. <i>Bioinformatics</i> , 2011, 27, 1343-1344.	4.1	128
9	Sequential Analysis of N- and O-Linked Glycosylation of 2D-PAGE Separated Glycoproteins. <i>Journal of Proteome Research</i> , 2002, 1, 521-529.	3.7	127
10	Structural determination of neutral O-linked oligosaccharide alditols by negative ion LC-electrospray-MSn. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 659-672.	2.8	125
11	GlyYouCan: an accessible glycan structure repository. <i>Glycobiology</i> , 2017, 27, 915-919.	2.5	123
12	Neutralization of pH in the Golgi apparatus causes redistribution of glycosyltransferases and changes in the O-glycosylation of mucins. <i>Glycobiology</i> , 2001, 11, 633-644.	2.5	122
13	Development of a mass fingerprinting tool for automated interpretation of oligosaccharide fragmentation data. <i>Proteomics</i> , 2004, 4, 1650-1664.	2.2	121
14	MIRAGE: The minimum information required for a glycomics experiment. <i>Glycobiology</i> , 2014, 24, 402-406.	2.5	116
15	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
16	Structural Diversity of Human Gastric Mucin Glycans. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 743-758.	3.8	100
17	GlyConnect: Glycoproteomics Goes Visual, Interactive, and Analytical. <i>Journal of Proteome Research</i> , 2019, 18, 664-677.	3.7	95
18	Liquid chromatographyâ€”electrospray mass spectrometry as a tool for the analysis of sulfated oligosaccharides from mucin glycoproteins. <i>Journal of Chromatography A</i> , 1999, 854, 131-139.	3.7	90

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19	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
20	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
21	A single sulfatase is required to access colonic mucin by a gut bacterium. <i>Nature</i> , 2021, 598, 332-337.	27.8	87
22	Identification of two highly sialylated human tear-fluid DMBT1 isoforms: the major high-molecular-mass glycoproteins in human tears. <i>Biochemical Journal</i> , 2002, 366, 511-520.	3.7	85
23	Glycosylation of sputum mucins is altered in cystic fibrosis patients. <i>Glycobiology</i> , 2007, 17, 698-712.	2.5	85
24	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
25	The glycosylation of human synovial lubricin: implications for its role in inflammation. <i>Biochemical Journal</i> , 2010, 429, 359-367.	3.7	82
26	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
27	Mucins and their O-Glycans from human bronchial epithelial cell cultures. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L824-L834.	2.9	72
28	MUC5B glycosylation in human saliva reflects blood group and secretor status. <i>Glycobiology</i> , 2005, 15, 791-804.	2.5	71
29	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
30	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. <i>Nature Communications</i> , 2019, 10, 3275.	12.8	70
31	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
32	Structural Diversity of Human Gastric Mucin Glycans. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 743-758.	3.8	66
33	Glycosylation differences between pig gastric mucin populations: a comparative study of the neutral oligosaccharides using mass spectrometry. <i>Biochemical Journal</i> , 1997, 326, 911-917.	3.7	64
34	Analysis of O-Linked Reducing Oligosaccharides Released by an In-line Flow System. <i>Analytical Biochemistry</i> , 2002, 305, 173-185.	2.4	63
35	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
36	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

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37	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
38	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
39	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
40	Toolboxes for a standardised and systematic study of glycans. <i>BMC Bioinformatics</i> , 2014, 15, S9.	2.6	58
41	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
42	Mucus glycoproteins from pig gastric mucosa: identification of different mucin populations from the surface epithelium. <i>Biochemical Journal</i> , 1997, 326, 903-910.	3.7	57
43	Identification of transient glycosylation alterations of sialylated mucin oligosaccharides during infection by the rat intestinal parasite <i>Nippostrongylus brasiliensis</i> . <i>Biochemical Journal</i> , 2000, 350, 805-814.	3.7	56
44	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
45	Sulphated Mucin Oligosaccharides from Porcine Small Intestine Analysed by Four-Sector Tandem Mass Spectrometry. , 1996, 31, 560-572.		55
46	UniCarbKB: Putting the pieces together for glycomics research. <i>Proteomics</i> , 2011, 11, 4117-4121.	2.2	55
47	Atlantic Salmon Carries a Range of Novel <i>O</i> -Glycan Structures Differentially Localized on Skin and Intestinal Mucins. <i>Journal of Proteome Research</i> , 2015, 14, 3239-3251.	3.7	52
48	Protein Paucimannosylation Is an Enriched <i>N</i> -Glycosylation Signature of Human Cancers. <i>Proteomics</i> , 2019, 19, e1900010.	2.2	52
49	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
50	The Glycosylation of Rat Intestinal Muc2 Mucin Varies between Rat Strains and the Small and Large Intestine. <i>Journal of Biological Chemistry</i> , 1997, 272, 27025-27034.	3.4	51
51	Graphitized Carbon LC-MS Characterization of the Chondroitin Sulfate Oligosaccharides of Aggrecan. <i>Analytical Chemistry</i> , 2007, 79, 3597-3606.	6.5	51
52	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
53	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
54	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

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55	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
56	Molecular characterization of the large heavily glycosylated domain glycopeptide from the rat small intestinal Muc2 mucin. <i>Glycoconjugate Journal</i> , 1996, 13, 823-831.	2.7	48
57	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
58	Glycomics@ExPASy: Bridging the Gap. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 2164-2176.	3.8	48
59	Development of a 96-well plate sample preparation method for integrated <i>N</i> - and <i>O</i> -glycomics using porous graphitized carbon liquid chromatography-mass spectrometry. <i>Molecular Omics</i> , 2020, 16, 355-363.	2.8	47
60	Analysis of Monosaccharide Composition of Mucin Oligosaccharide Alditols by High-Performance Anion-Exchange Chromatography. <i>Analytical Biochemistry</i> , 1995, 224, 538-541.	2.4	45
61	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. <i>Journal of Biological Chemistry</i> , 2000, 275, 3231-3238.	3.4	44
62	Databases and Associated Tools for Glycomics and Glycoproteomics. <i>Methods in Molecular Biology</i> , 2017, 1503, 235-264.	0.9	44
63	Aeromonas salmonicida 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
64	SugarBindDB, a resource of glycan-mediated host-pathogen interactions. <i>Nucleic Acids Research</i> , 2016, 44, D1243-D1250.	14.5	40
65	Separation of Isomeric <i>O</i> -Glycans by Ion Mobility and Liquid Chromatography-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 10604-10613.	6.5	40
66	Shotgun ion mobility mass spectrometry sequencing of heparan sulfate saccharides. <i>Nature Communications</i> , 2020, 11, 1481.	12.8	39
67	Presence of terminal N-acetylgalactosamine <sup>2</sup> 1-4N-acetylglucosamine residues on O-linked oligosaccharides from gastric MUC5AC: Involvement in Helicobacter pylori colonization?. <i>Glycobiology</i> , 2012, 22, 1077-1085.	2.5	37
68	Strategy for the investigation of O-linked oligosaccharides from mucins based on the separation into neutral, sialic acid- and sulfate-containing species. <i>Glycoconjugate Journal</i> , 1995, 12, 69-76.	2.7	35
69	A novel ulvan lyase family with broad-spectrum activity from the ulvan utilisation loci of Formosa agariphila KMM 3901. <i>Scientific Reports</i> , 2018, 8, 14713.	3.3	35
70	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
71	Identification of O-glycan Structures from Chicken Intestinal Mucins Provides Insight into Campylobacter jejuni Pathogenicity*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1464-1477.	3.8	32
72	Bisecting Galactose as a Feature of N-Glycans of Wild-type and Mutant Caenorhabditis elegans. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2111-2125.	3.8	32

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73	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
74	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
75	Characterisation of lubricin in synovial fluid from horses with osteoarthritis. <i>Equine Veterinary Journal</i> , 2017, 49, 116-123.	1.7	30
76	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
77	GlycoDigest: a tool for the targeted use of exoglycosidase digestions in glycan structure determination. <i>Bioinformatics</i> , 2014, 30, 3131-3133.	4.1	29
78	Helicobacter suis 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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	Glycoforest 1.0. <i>Analytical Chemistry</i> , 2017, 89, 10932-10940.	6.5	24
87	Identification of transient glycosylation alterations of sialylated mucin oligosaccharides during infection by the rat intestinal parasite <i>Nippostrongylus brasiliensis</i> . <i>Biochemical Journal</i> , 2000, 350, 805.	3.7	23
88	Blood Group A Glycosyltransferase Occurring as Alleles with High Sequence Difference Is Transiently Induced during a <i>Nippostrongylus brasiliensis</i> Parasite Infection. <i>Journal of Biological Chemistry</i> , 2002, 277, 15044-15052.	3.4	23
89	<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 <sup>2+</sup> . <i>Infection and Immunity</i> , 2017, 85, .	2.2	22
90	<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

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91	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
92	Detection of cd43 (leukosialin) in colon adenoma and adenocarcinoma by novel monoclonal antibodies against its intracellular domain. , 1999, 82, 52-58.		21
93	Proteomic Analysis of the Genetic Premature Aging Disease Hutchinson Gilford Progeria Syndrome Reveals Differential Protein Expression and Glycosylation. <i>Journal of Proteome Research</i> , 2003, 2, 556-557.	3.7	21
94	Detection of post-translational modifications using solid-phase proximity ligation assay. <i>New Biotechnology</i> , 2018, 45, 51-59.	4.4	21
95	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
96	Different O-glycosylation of respiratory mucin glycopeptides from a patient with cystic fibrosis. <i>Glycoconjugate Journal</i> , 1998, 15, 823-833.	2.7	20
97	Statistical analysis of glycosylation profiles to compare tissue type and inflammatory disease state. <i>Bioinformatics</i> , 2012, 28, 1669-1676.	4.1	20
98	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
99	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
100	High-Throughput Analysis of the Plasma N-Glycome by UHPLC. <i>Methods in Molecular Biology</i> , 2017, 1503, 97-108.	0.9	20
101	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
102	Isolectins from <i>Solanum tuberosum</i> with Different Detailed Carbohydrate Binding Specificities: Unexpected Recognition of Lactosylceramide by N-Acetyllactosamine-Binding Lectins. <i>Journal of Biochemistry</i> , 2000, 128, 855-687.	1.7	19
103	Distinct glycosylation in membrane proteins within neonatal versus adult myocardial tissue. <i>Matrix Biology</i> , 2020, 85-86, 173-188.	3.6	19
104	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
105	Exploring the Arctic Charr Intestinal Glycome: Evidence of Increased <i>N</i> -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
106	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
107	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
108	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

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109	Sulfated glycan recognition by carbohydrate sulfatases of the human gut microbiota. <i>Nature Chemical Biology</i> , 2022, 18, 841-849.	8.0	16
110	Analysis of mucosal mucins separated by SDS-urea agarose polyacrylamide composite gel electrophoresis. <i>Electrophoresis</i> , 2011, 32, 3554-3563.	2.4	15
111	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
112	Cracking the Sugar Code by Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1065-1074.	2.8	15
113	Not All Lubricin Isoforms Are Substituted with a Glycosaminoglycan Chain. <i>Connective Tissue Research</i> , 2012, 53, 132-141.	2.3	14
114	Influence of Glycosylation on Interfacial Properties of Recombinant Mucins: Adsorption, Surface Forces, and Friction. <i>Langmuir</i> , 2017, 33, 4386-4395.	3.5	14
115	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
116	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
117	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
118	Cathepsin g Degrades Both Glycosylated and Unglycosylated Regions of Lubricin, a Synovial Mucin. <i>Scientific Reports</i> , 2020, 10, 4215.	3.3	14
119	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
120	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
121	Glycomic and sialoproteomic data of gastric carcinoma cells overexpressing ST3GAL4. <i>Data in Brief</i> , 2016, 7, 814-833.	1.0	13
122	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
123	Next Generation O-Linked Glycomics. <i>Trends in Glycoscience and Glycotechnology</i> , 2017, 29, E35-E46.	0.1	12
124	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
125	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
126	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



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127	Reduced sialyl-Lewis <sup>x</sup> on salivary MUC7 from patients with burning mouth syndrome. <i>Molecular Omics</i> , 2019, 15, 331-339.	2.8	10
128	High-temperature gas chromatography and gas chromatography-mass spectrometry of glycoprotein and glycosphingolipid oligosaccharides. <i>Molecular Biotechnology</i> , 1994, 1, 165-180.	2.4	9
129	Glycomic Work-Flow for Analysis of Mucin O-Linked Oligosaccharides. <i>Methods in Molecular Biology</i> , 2012, 842, 141-163.	0.9	9
130	Salivary mucin MUC7 oligosaccharides in patients with recurrent aphthous stomatitis. <i>Clinical Oral Investigations</i> , 2015, 19, 2147-2152.	3.0	8
131	Pregnancy-Associated Changes of IgG and Serum N-Glycosylation in Camel ( <i>Camelus</i> ) Tj ETQq1 1 0.784314 rgBTj Overlock 10 Tf 50	3.7	10
132	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
133	iLoF: An intelligent Lab on Fiber Approach for Human Cancer Single-Cell Type Identification. <i>Scientific Reports</i> , 2020, 10, 3171.	3.3	8
134	Recombinant mucin-type proteins carrying LacdiNAc on different <i>O</i> -glycan core chains fail to support <i>H. pylori</i> binding. <i>Molecular Omics</i> , 2020, 16, 243-257.	2.8	8
135	Small-Scale Enzymatic Digestion of Glycoproteins and Proteoglycans for Analysis of Oligosaccharides by LC-MS and FACE Gel Electrophoresis. , 2009, 534, 171-192.		8
136	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
137	There Are No Facts, Only Interpretations. <i>Journal of Proteome Research</i> , 2006, 5, 1291-1292.	3.7	6
138	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
139	Higher Energy Collisional Dissociation Mass Spectrometry of Sulfated O-Linked Oligosaccharides. <i>Journal of Proteome Research</i> , 2018, 17, 3259-3267.	3.7	5
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