Anne Dell

List of Publications by Year
in descending order

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199 papers	12,803 citations	20817 60 h-index	30087 103 g-index
205 all docs	205 docs citations	205 times ranked	11411 citing authors

#	Article	IF	Citations
1	GlycoWorkbench: A Tool for the Computer-Assisted Annotation of Mass Spectra of Glycans. Journal of Proteome Research, 2008, 7, 1650-1659.	3.7	917
2	N-Linked Glycosylation in Campylobacter jejuni and Its Functional Transfer into E. coli. Science, 2002, 298, 1790-1793.	12.6	716
3	High Sensitivity Collisionally-activated Decomposition Tandem Mass Spectrometry on a Novel Quadrupole/Orthogonal-acceleration Time-of-flight Mass Spectrometer. , 1996, 10, 889-896.		398
4	Comparison of the methods for profiling glycoprotein glycansâ€"HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. Glycobiology, 2007, 17, 411-422.	2.5	382
5	F.A.B.-Mass Spectrometry of Carbohydrates. Advances in Carbohydrate Chemistry and Biochemistry, 1987, 45, 19-72.	0.9	330
6	Human Sperm Binding Is Mediated by the Sialyl-Lewis ^x Oligosaccharide on the Zona Pellucida. Science, 2011, 333, 1761-1764.	12.6	278
7	Meningococcal pilin: a glycoprotein substituted with digalactosyl 2,4â€diacetamidoâ€2,4,6â€trideoxyhexose. Molecular Microbiology, 1995, 17, 1201-1214.	2.5	256
8	[8] Mass spectrometry of carbohydrate-containing biopolymers. Methods in Enzymology, 1994, 230, 108-132.	1.0	227
9	A new interpretation of the structure of the mycolyl-arabinogalactan complex of Mycobacterium tuberculosis as revealed through characterization of oligoglycosylalditol fragments by fast-atom bombardment mass spectrometry and 1H nuclear magnetic resonance spectroscopy. Biochemistry, 1995, 34, 4257-4266.	2.5	227
10	Structural Analysis of the Oligosaccharides Derived from Glycodelin, a Human Glycoprotein with Potent Immunosuppressive and Contraceptive Activities. Journal of Biological Chemistry, 1995, 270, 24116-24126.	3.4	225
11	Mass spectrometry in the analysis of N-linked and O-linked glycans. Current Opinion in Structural Biology, 2009, 19, 498-506.	5.7	212
12	Characterization of the Oligosaccharides Associated with the Human Ovarian Tumor Marker CA125. Journal of Biological Chemistry, 2003, 278, 28619-28634.	3.4	210
13	Phase variation of a Î²-1,3 galactosyltransferase involved in generation of the ganglioside GM1-like lipo-oligosaccharide of Campylobacter jejuni. Molecular Microbiology, 2002, 37, 501-514.	2.5	206
14	Molecular characterization of the surface layer proteins from Clostridium difficile. Molecular Microbiology, 2001, 40, 1187-1199.	2.5	177
15	Automatic annotation of matrix-assisted laser desorption/ionizationN-glycan spectra. Proteomics, 2005, 5, 865-875.	2.2	166
16	A focused microarray approach to functional glycomics: transcriptional regulation of the glycome. Glycobiology, 2006, 16, 117-131.	2.5	161
17	Hypomorphic homozygous mutations in phosphoglucomutase 3 (PGM3) impair immunity and increase serum IgE levels. Journal of Allergy and Clinical Immunology, 2014, 133, 1410-1419.e13.	2.9	160
18	The GlycanBuilder and GlycoWorkbench glycoinformatics tools: updates and new developments. Biological Chemistry, 2012, 393, 1357-1362.	2.5	147

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19	Glycan family analysis for deducing N-glycan topology from single MS. Bioinformatics, 2009, 25, 365-371.	4.1	145
20	Glycomic Profiling of Cells and Tissues by Mass Spectrometry: Fingerprinting and Sequencing Methodologies. Methods in Enzymology, 2006, 415, 59-86.	1.0	144
21	Gender-specific Glycosylation of Human Glycodelin Affects Its Contraceptive Activity. Journal of Biological Chemistry, 1996, 271, 32159-32167.	3.4	138
22	The GlycanBuilder: a fast, intuitive and flexible software tool for building and displaying glycan structures. Source Code for Biology and Medicine, 2007, 2, 3.	1.7	134
23	Potent suppression of natural killer cell response mediated by the ovarian tumor marker CA125. Gynecologic Oncology, 2005, 99, 704-713.	1.4	132
24	Multiple N-acetyl neuraminic acid synthetase (neuB) genes in Campylobacter jejuni: identification and characterization of the gene involved in sialylation of lipo-oligosaccharide. Molecular Microbiology, 2000, 35, 1120-1134.	2.5	128
25	Structural Analysis of Sequences O-Linked to Mannose Reveals a Novel Lewis X Structure in Cranin (Dystroglycan) Purified from Sheep Brain. Journal of Biological Chemistry, 1998, 273, 23698-23703.	3.4	121
26	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. Nature Genetics, 2014, 46, 1021-1027.	21.4	119
27	Dendritic Cell Maturation Results in Pronounced Changes in Glycan Expression Affecting Recognition by Siglecs and Galectins. Journal of Immunology, 2007, 179, 8216-8224.	0.8	117
28	EUROCarbDB: An open-access platform for glycoinformatics. Glycobiology, 2011, 21, 493-502.	2.5	116
29	A role for glycoconjugates in human development: the human feto-embryonic defence system hypothesis. Human Reproduction, 1996, 11, 467-473.	0.9	114
30	Activation of Murine CD4+ and CD8+ T Lymphocytes Leads to Dramatic Remodeling ofN-Linked Glycans. Journal of Immunology, 2006, 177, 2431-2440.	0.8	111
31	Mass spectrometric analysis of N- and O-glycosylation of tissues and cells. Current Opinion in Structural Biology, 2006, 16, 584-591.	5.7	106
32	Glycosyltransferase Function in Core 2-Type Protein O Glycosylation. Molecular and Cellular Biology, 2009, 29, 3770-3782.	2.3	100
33	Characterisation of an adrenal zona glomerulosa-stimulating component of posterior pituitary extracts as Î±-MSH. Nature, 1980, 284, 464-467.	27.8	95
34	Automated N-Glycopeptide Identification Using a Combination of Single- and Tandem-MS. Journal of Proteome Research, 2007, 6, 3995-4005.	3.7	94
35	A Novel Mechanism for LSECtin Binding to Ebola Virus Surface Glycoprotein through Truncated Glycans. Journal of Biological Chemistry, 2008, 283, 593-602.	3.4	93
36	A novel geometry mass spectrometer, the Q-TOF, for low-femtomole/attomole-range biopolymer sequencing. The Protein Journal, 1997, 16, 469-479.	1.1	90

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37	Glycodelin from seminal plasma is a differentially glycosylated form of contraceptive glycodelin-A. Molecular Human Reproduction, 1996, 2, 759-765.	2.8	88
38	Structural definition of the non-reducing termini of mannose-capped LAM from Mycobacterium tuberculosis through selective enzymatic degradation and fast atom bombardment-mass spectrometry. Glycobiology, 1993, 3, 497-506.	2.5	87
39	Systemic Blockade of Sialylation in Mice with a Global Inhibitor of Sialyltransferases. Journal of Biological Chemistry, 2014, 289, 35149-35158.	3.4	85
40	A novel sialylated N-acetylgalactosamine-containing oligosaccharide is the major complex-type structure present in Bowes melanoma tissue plasminogen activator. Glycobiology, 1991, 1, 173-185.	2.5	84
41	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437-447.	3.7	84
42	Glycomic Characterization of Respiratory Tract Tissues of Ferrets. Journal of Biological Chemistry, 2014, 289, 28489-28504.	3.4	82
43	Cellular O-Glycome Reporter/Amplification to explore O-glycans of living cells. Nature Methods, 2016, 13, 81-86.	19.0	81
44	Glycoproteomics: Past, present and future. FEBS Letters, 2009, 583, 1728-1735.	2.8	79
45	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. Glycobiology, 2011, 21, 914-924.	2.5	78
46	Mapping the N-glycome of human von Willebrand factor. Biochemical Journal, 2012, 447, 217-228.	3.7	78
47	Characterization of the O antigen gene cluster and structural analysis of the O antigen of Francisella tularensis subsp. tularensis. Journal of Medical Microbiology, 2003, 52, 845-851.	1.8	77
48	Methylated glycans as conserved targets of animal and fungal innate defense. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2787-96.	7.1	74
49	Sialic Acid Capping of CD8Î² Core 1-O-Glycans Controls Thymocyte-Major Histocompatibility Complex Class I Interaction. Journal of Biological Chemistry, 2003, 278, 7240-7246.	3.4	73
50	Towards Controlling the Glycoform: A Model Framework Linking Extracellular Metabolites to Antibody Glycosylation. International Journal of Molecular Sciences, 2014, 15, 4492-4522.	4.1	73
51	The Cytoplasmic F-box Binding Protein SKP1 Contains a Novel Pentasaccharide Linked to Hydroxyproline inDictyostelium. Journal of Biological Chemistry, 1998, 273, 18242-18249.	3.4	72
52	Pregnancy-associated Changes in the Glycosylation of Tamm-Horsfall Glycoprotein. Journal of Biological Chemistry, 2000, 275, 21928-21938.	3.4	72
53	Mapping the complete glycoproteome of virion-derived HIV-1 gp120 provides insights into broadly neutralizing antibody binding. Scientific Reports, 2016, 6, 32956.	3.3	71
54	ST3Gal-4 is the primary sialyltransferase regulating the synthesis of E-, P-, and L-selectin ligands on human myeloid leukocytes. Blood, 2015, 125, 687-696.	1.4	70

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55	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	2.5	69
56	Isolation and identification of novel sulfated and nonsulfated oligosialyl glycosphingolipids from sea urchin sperm. Glycoconjugate Journal, 1996, 13, 401-413.	2.7	68
57	Structural characterisation of neutrophil glycans by ultra sensitive mass spectrometric glycomics methodology. Glycoconjugate Journal, 2009, 26, 975-986.	2.7	68
58	Golgi self-correction generates bioequivalent glycans to preserve cellular homeostasis. ELife, 2016, 5, .	6.0	67
59	Fast atom bombardment mass spectrometric strategies for characterizing carbohydrate-containing biopolymers. Biological Mass Spectrometry, 1988, 16, 19-24.	0.5	66
60	Essential and mutually compensatory roles of Â-mannosidase II and Â-mannosidase IIx in N-glycan processing in vivo in mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8983-8988.	7.1	65
61	Expression of Bisecting Type and Lewisx/Lewisy Terminated N-Glycans on Human Sperm. Journal of Biological Chemistry, 2007, 282, 36593-36602.	3.4	65
62	The glycomes of Caenorhabditis elegans and other model organisms. Biochemical Society Symposia, 2002, 69, 117-134.	2.7	63
63	Towards GAG glycomics: Analysis of highly sulfated heparins by MALDI-TOF massÂspectrometry. Glycobiology, 2007, 17, 972-982.	2.5	62
64	Endothelial Galectin-1 Binds to Specific Glycans on Nipah Virus Fusion Protein and Inhibits Maturation, Mobility, and Function to Block Syncytia Formation. PLoS Pathogens, 2010, 6, e1000993.	4.7	62
65	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	2.5	62
66	Neisseria gonorrhoeae Type IV Pili Undergo Multisite, Hierarchical Modifications with Phosphoethanolamine and Phosphocholine Requiring an Enzyme Structurally Related to Lipopolysaccharide Phosphoethanolamine Transferases. Journal of Biological Chemistry, 2006, 281, 27712-27723.	3.4	61
67	The highly conserved domain of unknown function 1792 has a distinct glycosyltransferase fold. Nature Communications, 2014, 5, 4339.	12.8	61
68	Bacterial glycoproteomics. Microbiology (United Kingdom), 2006, 152, 1575-1580.	1.8	60
69	Fast atom bombardment mass spectrometry of a 6-O-methylglucose polysaccharide. Biomedical Mass Spectrometry, 1983, 10, 50-56.	1.9	57
70	Characterizing the glycome of the mammalian immune system. Immunology and Cell Biology, 2008, 86, 564-573.	2.3	57
71	Synthesis of Biologically Active N- and O-Linked Glycans with Multisialylated Poly-N-acetyllactosamine Extensions Using P. damsela Î±2-6 Sialyltransferase. Journal of the American Chemical Society, 2013, 135, 18280-18283.	13.7	55
72	Effects of Differential Glycosylation of Glycodelins on Lymphocyte Survival. Journal of Biological Chemistry, 2009, 284, 15084-15096.	3.4	54

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73	Recombinant glycodelin carrying the same type of glycan structures as contraceptive glycodelin-A can be produced in human kidney 293 cellsbut not in Chinese hamster ovary cells. FEBS Journal, 2000, 267, 4753-4762.	0.2	53
74	Glycosylation Failure Extends to Glycoproteins in Gestational Diabetes Mellitus. Diabetes, 2011, 60, 909-917.	0.6	53
75	Asn-linked oligosaccharides in lectin-resistant tumor-cell mutants with varying metastatic potential. FEBS Journal, 1986, 161, 359-373.	0.2	52
76	Physiological and glycomic characterization of N-acetylglucosaminyltransferase-IVa and -IVb double deficient mice. Glycobiology, 2010, 20, 485-497.	2.5	51
77	Differential O-Glycosylation of a Conserved Domain Expressed in Murine and Human ZP3â€. Biochemistry, 2006, 45, 637-647.	2.5	50
78	Analysis of the Human Seminal Plasma Glycome Reveals the Presence of Immunomodulatory Carbohydrate Functional Groups. Journal of Proteome Research, 2009, 8, 4906-4915.	3.7	50
79	Mass Spectrometric Analysis of Mutant Mice. Methods in Enzymology, 2010, 478, 27-77.	1.0	50
80	Role of Glycosyltransferases Modifying Type B Flagellin of Emerging Hypervirulent Clostridium difficile Lineages and Their Impact on Motility and Biofilm Formation. Journal of Biological Chemistry, 2016, 291, 25450-25461.	3.4	49
81	The Lewis x epitope is a major non-reducing structure in the sulphated N-glycans attached to Asn-65 of bovine pro-opiomelanocortin. Glycobiology, 1993, 3, 225-239.	2.5	48
82	The postâ€translational modification of the <scp>C</scp>lostridium difficile flagellin affects motility, cell surface properties and virulence. Molecular Microbiology, 2014, 94, 272-289.	2.5	47
83	The zebrafish galectins Drgal1-L2 and Drgal3-L1 bind inÂvitro to the infectious hematopoietic necrosis virus (IHNV) glycoprotein and reduce viral adhesion to fish epithelial cells. Developmental and Comparative Immunology, 2016, 55, 241-252.	2.3	47
84	Extended performance using a high field magnet mass spectrometer. Biological Mass Spectrometry, 1981, 8, 463-473.	0.5	46
85	Glycosylation of mouse and human immune cells: insights emerging from N-glycomics analyses. Biochemical Society Transactions, 2011, 39, 1334-1340.	3.4	46
86	A Tetraantennary Glycan with Bisecting N-Acetylglucosamine and the Sda Antigen is the Predominant N-Glycan on Bovine Pregnancy-Associated Glycoproteins. Glycobiology, 2007, 18, 42-52.	2.5	45
87	Integrated mass spectrometric strategy for characterizing the glycans from glycosphingolipids and glycoproteins: direct identification of sialyl Lex in mice. Glycobiology, 2007, 17, 646-654.	2.5	45
88	High-sensitivity O-glycomic analysis of mice deficient in core 2 Î²1,6-N-acetylglucosaminyltransferases. Glycobiology, 2011, 21, 82-98.	2.5	44
89	Competition between Core-2 GlcNAc-transferase and ST6GalNAc-transferase Regulates the Synthesis of the Leukocyte Selectin Ligand on Human P-selectin Glycoprotein Ligand-1. Journal of Biological Chemistry, 2013, 288, 13974-13987.	3.4	44
90	High-field-magnet mass spectrometry of biological molecules. Mass Spectrometry Reviews, 1984, 3, 357-394.	5.4	43

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91	Sialyl-Lewisx on P-Selectin Glycoprotein Ligand-1 Is Regulated during Differentiation and Maturation of Dendritic Cells: A Mechanism Involving the Glycosyltransferases C2GnT1 and ST3Gal I. Journal of Immunology, 2007, 179, 5701-5710.	0.8	42
92	Early Murine T-lymphocyte Activation Is Accompanied by a Switch from N-Glycolyl- to N-Acetyl-neuraminic Acid and Generation of Ligands for Siglec-E. Journal of Biological Chemistry, 2011, 286, 34522-34532.	3.4	42
93	XBP1s activation can globally remodel N-glycan structure distribution patterns. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10089-E10098.	7.1	41
94	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. Glycobiology, 2021, 31, 181-187.	2.5	40
95	Incompletely processed Nâ€glycans of serum glycoproteins in congenital dyserythropoietic anaemia type II (HEMPAS). British Journal of Haematology, 1992, 82, 745-752.	2.5	39
96	A Novel Pentasaccharide Sequence GlcA(3-sulfate)(Î²1-3)GalNAc(4-sulfate)(Î²1-4)(FucÎ±1-3)GlcA(Î²1-3)GalNAc(4-sulfate) in the Oligosaccharides Isolated from King Crab Cartilage Chondroitin Sulfate K and Its Differential Susceptibility to Chondroitinases and Hyaluronidase. Biochemistry, 1997, 36, 3998-4008.	2.5	39
97	Quantitative Analyses Reveal Novel Roles for N Glycosylation in a Major Enteric Bacterial Pathogen. MBio, 2019, 10, .	4.1	39
98	Loss of Effector Function of Human Cytolytic T Lymphocytes Is Accompanied by Major Alterations in N- and O-Glycosylation. Journal of Biological Chemistry, 2012, 287, 11240-11251.	3.4	38
99	Swainsonine affects the processing of glycoproteins in vivo. FEBS Letters, 1983, 163, 110-113.	2.8	37
100	Mass spectrometric strategies: providing structural clues for helminth glycoproteins. Trends in Parasitology, 2001, 17, 231-235.	3.3	37
101	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. Frontiers in Immunology, 2018, 9, 2857.	4.8	37
102	Two different glycosyltransferase defects that result in GalNAcÎ±-O-peptide (Tn) expression. Glycobiology, 1994, 4, 267-280.	2.5	36
103	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. Chemistry and Biology, 2015, 22, 1052-1062.	6.0	36
104	Glycan biomarkers for Alzheimer disease correlate with Tâ€tau and Pâ€tau in cerebrospinal fluid in subjective cognitive impairment. FEBS Journal, 2020, 287, 3221-3234.	4.7	36
105	Host-Pathogen Interactions XXX. Characterization of Elicitors of Phytoalexin Accumulation in Soybean Released from Soybean Cell Walls by Endopolygalacturonic Acid Lyase. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1986, 41, 39-48.	1.4	35
106	Galactosamine in walls of slow-growing mycobacteria. Biochemical Journal, 1997, 327, 519-525.	3.7	35
107	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. Chemistry and Biology, 2015, 22, 1301-1312.	6.0	35
108	Structural investigations and biological activity of inositol sphingophospholipids from Phytophthora capsici. FEBS Journal, 1990, 191, 203-209.	0.2	33

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109	Occurrence and Structural Analysis of Highly Sulfated Multiantennary N-linked Glycan Chains Derived from a Fertilization-Associated Carbohydrate-Rich Glycoprotein in Unfertilized Eggs of Tribolodon hakonensis. FEBS Journal, 1996, 238, 357-367.	0.2	33
110	Software Tool for the Structural Determination of Glycosaminoglycans by Mass Spectrometry. Analytical Chemistry, 2008, 80, 9204-9212.	6.5	33
111	Developing the IVIG biomimetic, Hexa-Fc, for drug and vaccine applications. Scientific Reports, 2015, 5, 9526.	3.3	33
112	The redefinition of Helicobacter pylori lipopolysaccharide O-antigen and core-oligosaccharide domains. PLoS Pathogens, 2017, 13, e1006280.	4.7	33
113	Chemistry of the Lyxose-Containing Mycobacteriophage Receptors ofMycobacteriumphlei/Mycobacterium smegmatisâ€. Biochemistry, 1996, 35, 11812-11819.	2.5	32
114	A Non-Golgi Î±1,2-Fucosyltransferase That Modifies Skp1 in the Cytoplasm of Dictyostelium. Journal of Biological Chemistry, 2001, 276, 33952-33963.	3.4	32
115	Evidence for Differential Glycosylation of Trophoblast Cell Types. Molecular and Cellular Proteomics, 2016, 15, 1857-1866.	3.8	32
116	Glycosphingolipids on Human Myeloid Cells Stabilize E-Selectinâ€“Dependent Rolling in the Multistep Leukocyte Adhesion Cascade. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 718-727.	2.4	32
117	Glycoproteomic studies of IgE from a novel hyper IgE syndrome linked to PGM3 mutation. Glycoconjugate Journal, 2016, 33, 447-456.	2.7	32
118	Engineering and Dissecting the Glycosylation Pathway of a Streptococcal Serine-rich Repeat Adhesin. Journal of Biological Chemistry, 2016, 291, 27354-27363.	3.4	31
119	Glycodelins as regulators of early events of reproduction. Clinical Endocrinology, 1997, 46, 381-386.	2.4	28
120	Loss of Î±2-6 sialylation promotes the transformation of synovial fibroblasts into a pro-inflammatory phenotype in arthritis. Nature Communications, 2021, 12, 2343.	12.8	28
121	Mass spectrometric characterisation of Taenia crassiceps metacestode N-glycans. Molecular and Biochemical Parasitology, 2005, 143, 245-249.	1.1	27
122	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. Cell Chemical Biology, 2018, 25, 1519-1532.e5.	5.2	27
123	MS screening strategies: investigating the glycomes of knockout and myodystrophic mice and leukodystrophic human brains. Biochemical Society Symposia, 2002, 69, 105-115.	2.7	27
124	Gp120 on HIV-1 Virions Lacks O-Linked Carbohydrate. PLoS ONE, 2015, 10, e0124784.	2.5	25
125	Discovery of O-Linked Carbohydrate on HIV-1 Envelope and Its Role in Shielding against One Category of Broadly Neutralizing Antibodies. Cell Reports, 2020, 30, 1862-1869.e4.	6.4	25
126	Simian Immunodeficiency Virus from the Sooty Mangabey and Rhesus Macaque Is Modified with O-Linked Carbohydrate. Journal of Virology, 2011, 85, 582-595.	3.4	23

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127	Glycoproteomics: a powerful tool for characterizing the diverse glycoforms of bacterial pilins and flagellins. Biochemical Society Transactions, 2010, 38, 1307-1313.	3.4	22
128	The Expression of Free Oligosaccharides in Human Seminal Plasma. Journal of Biological Chemistry, 2002, 277, 32562-32570.	3.4	21
129	East-Asian Helicobacter pylori strains synthesize heptan-deficient lipopolysaccharide. PLoS Genetics, 2019, 15, e1008497.	3.5	21
130	Glycan characterization of pregnancy-specific glycoprotein 1 and its identification as a novel Galectin-1 ligand. Glycobiology, 2020, 30, 895-909.	2.5	21
131	HEK293T cell lines defective for O-linked glycosylation. PLoS ONE, 2017, 12, e0179949.	2.5	21
132	Glucan Synthesis inPneumocystis carinii. Journal of Protozoology, 1991, 38, 427-437.	0.8	20
133	Glycodelins: role in regulation of reproduction, potential for contraceptive development and diagnosis of male infertility. Human Reproduction, 1998, 13, 262-269.	0.9	20
134	Glycoproteomics: Past, present and future. International Journal of Mass Spectrometry, 2007, 259, 16-31.	1.5	20
135	Mass spectrometric analysis of the Sâ€layer proteins from Clostridium difficile demonstrates the absence of glycosylation. Journal of Mass Spectrometry, 2009, 44, 368-374.	1.6	19
136	New Helical Binding Domain Mediates a Glycosyltransferase Activity of a Bifunctional Protein. Journal of Biological Chemistry, 2016, 291, 22106-22117.	3.4	19
137	Effects of altered sialic acid biosynthesis on N-linked glycan branching and cell surface interactions. Journal of Biological Chemistry, 2017, 292, 9637-9651.	3.4	19
138	Serum IgA1 shows increased levels ofÎ±2,6-linked sialic acid in breast cancer. Interface Focus, 2019, 9, 20180079.	3.0	18
139	Glycomics investigation into insulin action. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 652-668.	2.4	17
140	The human fetoembryonic defense system hypothesis: Twenty years on. Molecular Aspects of Medicine, 2016, 51, 71-88.	6.4	17
141	Characterization of H type 1 and type 1 N-acetyllactosamine glycan epitopes on ovarian cancer specifically recognized by the anti-glycan monoclonal antibody mAb-A4. Journal of Biological Chemistry, 2017, 292, 6163-6176.	3.4	17
142	The Type B Flagellin of Hypervirulent Clostridium difficile Is Modified with Novel Sulfonated Peptidylamido-glycans. Journal of Biological Chemistry, 2016, 291, 25439-25449.	3.4	16
143	Altered glycosylation of glycodelin in endometrial carcinoma. Laboratory Investigation, 2020, 100, 1014-1025.	3.7	16
144	Choice of Host Cell Line Is Essential for the Functional Glycosylation of the Fc Region of Human IgG1 Inhibitors of Influenza B Viruses. Journal of Immunology, 2020, 204, 1022-1034.	0.8	16

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145	Primary structure of a chloramphenicol acetyltransferase: Mass spectrometric studies. Biological Mass Spectrometry, 1981, 8, 128-136.	0.5	15
146	The amino acid sequence of delta haemolysin purified from a canine isolate ofS. aureus. FEBS Letters, 1984, 169, 25-29.	2.8	15
147	Stored dolichyl pyrophosphoryl oligosaccharides in Batten disease. American Journal of Medical Genetics Part A, 1992, 42, 580-585.	2.4	15
148	Polylactosaminoglycan Glycomics: Enhancing the Detection of High-molecular-weight N-glycans in Matrix-assisted Laser Desorption Ionization Time-of-flight Profiles by Matched Filtering. Molecular and Cellular Proteomics, 2013, 12, 996-1004.	3.8	15
149	The mucinous domain of pancreatic carboxyl-ester lipase (CEL) contains core 1/core 2 O-glycans that can be modified by ABO blood group determinants. Journal of Biological Chemistry, 2018, 293, 19476-19491.	3.4	14
150	Photoactivable Glycolipid Antigens Generate Stable Conjugates with CD1d for Invariant Natural Killer T Cell Activation. Bioconjugate Chemistry, 2018, 29, 3161-3173.	3.6	14
151	Global N-linked Glycosylation is Not Significantly Impaired in Myoblasts in Congenital Myasthenic Syndromes Caused by Defective Glutamine-Fructose-6-Phosphate Transaminase 1 (GFPT1). Biomolecules, 2015, 5, 2758-2781.	4.0	13
152	The S-layer protein of a Clostridium difficile SLCT-11 strain displays a complex glycan required for normal cell growth and morphology. Journal of Biological Chemistry, 2018, 293, 18123-18137.	3.4	13
153	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. PLoS ONE, 2020, 15, e0228507.	2.5	13
154	Fast atom bombardment-mass spectrometry strategies for analysing glycoprotein glycans. Biochemical Society Transactions, 1989, 17, 243-245.	3.4	12
155	FAB-MS characterization of sialyl Lewis x determinants on polylactosamine chains of human airway mucins secreted by patients suffering from cystic fibrosis or chronic bronchitis. Glycoconjugate Journal, 2001, 18, 699-708.	2.7	12
156	Characterization of the N-glycans of female Angiostrongylus cantonensis worms. Experimental Parasitology, 2016, 166, 137-143.	1.2	12
157	The glycomic sialylation profile of GNE Myopathy muscle cells does not point to consistent hyposialylation of individual glycoconjugates. Neuromuscular Disorders, 2020, 30, 621-630.	0.6	11
158	Role of galectin-glycan circuits in reproduction: from healthy pregnancy to preterm birth (PTB). Seminars in Immunopathology, 2020, 42, 469-486.	6.1	11
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