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	Novel constructs and 1-step chromatography protocols for the production of Porcine Circovirus 2d (PCV2d) and Circovirus 3 (PCV3) subunit vaccine candidates. Food and Bioproducts Processing, 2022, 131, 125-135.	3.6	8
2	Strategies to control therapeutic antibody glycosylation during bioprocessing: Synthesis and separation. Biotechnology and Bioengineering, 2022, 119, 1343-1358.	3.3	11
3	The Tip of Brucella O-Polysaccharide Is a Potent Epitope in Response to Brucellosis Infection and Enables Short Synthetic Antigens to Be Superior Diagnostic Reagents. Microorganisms, 2022, 10, 708.	3.6	1
4	Measurement of erythrocyte membrane mannoses to assess splenic function. British Journal of Haematology, 2022, , .	2.5	3
5	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. Glycobiology, 2021, 31, 181-187.	2.5	40
6	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
7	Modified recombinant human IgG1â€Fc is superior to natural intravenous immunoglobulin at inhibiting immuneâ€mediated demyelination. Immunology, 2021, 164, 90-105.	4.4	2
8	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc. Cell Chemical Biology, 2021, 28, 699-710.e5.	5.2	11
9	Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses. Wellcome Open Research, 2021, 6, 134.	1.8	1
10	A mutation in SLC37A4 causes a dominantly inherited congenital disorder of glycosylation characterized by liver dysfunction. American Journal of Human Genetics, 2021, 108, 1040-1052.	6.2	7
11	Proteome-wide prediction of bacterial carbohydrate-binding proteins as a tool for understanding commensal and pathogen colonisation of the vaginal microbiome. Npj Biofilms and Microbiomes, 2021, 7, 49.	6.4	11
12	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
13	Vulpeculin: a novel and abundant lipocalin in the urine of the common brushtail possum, Trichosurus vulpecula. Open Biology, 2020, 10, 200218.	3.6	2
14	Analysis of N- and O-Linked Glycosylation: Differential Glycosylation after Rat Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 1954-1962.	3.4	10
15	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
16	Altered glycosylation of glycodelin in endometrial carcinoma. Laboratory Investigation, 2020, 100, 1014-1025.	3.7	16
17	Role of galectin-glycan circuits in reproduction: from healthy pregnancy to preterm birth (PTB). Seminars in Immunopathology, 2020, 42, 469-486.	6.1	11
18	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

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19	Glycan characterization of pregnancy-specific glycoprotein 1 and its identification as a novel Galectin-1 ligand. Glycobiology, 2020, 30, 895-909.	2.5	21
20	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
21	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. PLoS ONE, 2020, 15, e0228507.	2.5	13
22	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
23	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
24	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
25	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
26	Insertion of N-Terminal Hinge Glycosylation Enhances Interactions of the Fc Region of Human IgG1 Monomers with Glycan-Dependent Receptors and Blocks Hemagglutination by the Influenza Virus. Journal of Immunology, 2019, 202, 1595-1611.	0.8	7
27	Quantitative Analyses Reveal Novel Roles for N- Glycosylation in a Major Enteric Bacterial Pathogen. MBio, 2019, 10, .	4.1	39
28	Serum IgA1 shows increased levels ofÎ±2,6-linked sialic acid in breast cancer. Interface Focus, 2019, 9, 20180079.	3.0	18
29	East-Asian Helicobacter pylori strains synthesize heptan-deficient lipopolysaccharide. PLoS Genetics, 2019, 15, e1008497.	3.5	21
30	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. Frontiers in Immunology, 2018, 9, 2857.	4.8	37
31	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
32	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
33	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
34	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. Cell Chemical Biology, 2018, 25, 1519-1532.e5.	5.2	27
35	The singular Corynebacterium glutamicum Emb arabinofuranosyltransferase polymerises the Î±(1â€¯â†’â€¯5) arabinan backbone in the early stages of cell wall arabinan biosynthesis. Cell Surface, 2018, 2, 38-53.	3.0	8
36	Photoactivable Glycolipid Antigens Generate Stable Conjugates with CD1d for Invariant Natural Killer T Cell Activation. Bioconjugate Chemistry, 2018, 29, 3161-3173.	3.6	14

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37	Towards automation of glycomic profiling of complex biological materials. Glycoconjugate Journal, 2018, 35, 311-321.	2.7	9
38	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
39	Partial correction of neutrophil dysfunction by oral galactose therapy in glycogen storage disease type Ib. International Immunopharmacology, 2017, 44, 216-225.	3.8	8
40	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
41	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
42	Human Immunodeficiency Virus and Simian Immunodeficiency Virus Maintain High Levels of Infectivity in the Complete Absence of Mucin-Type O-Glycosylation. Journal of Virology, 2017, 91, .	3.4	5
43	The redefinition of Helicobacter pylori lipopolysaccharide O-antigen and core-oligosaccharide domains. PLoS Pathogens, 2017, 13, e1006280.	4.7	33
44	HEK293T cell lines defective for O-linked glycosylation. PLoS ONE, 2017, 12, e0179949.	2.5	21
45	Insights from the redefinition of Helicobacter pylori lipopolysaccharide O-antigen and core-oligosaccharide domains. Microbial Cell, 2017, 4, 175-178.	3.2	7
46	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
47	Characterization of the N-glycans of female Angiostrongylus cantonensis worms. Experimental Parasitology, 2016, 166, 137-143.	1.2	12
48	Evidence for Differential Glycosylation of Trophoblast Cell Types. Molecular and Cellular Proteomics, 2016, 15, 1857-1866.	3.8	32
49	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
50	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
51	The human fetoembryonic defense system hypothesis: Twenty years on. Molecular Aspects of Medicine, 2016, 51, 71-88.	6.4	17
52	Engineering and Dissecting the Glycosylation Pathway of a Streptococcal Serine-rich Repeat Adhesin. Journal of Biological Chemistry, 2016, 291, 27354-27363.	3.4	31
53	New Helical Binding Domain Mediates a Glycosyltransferase Activity of a Bifunctional Protein. Journal of Biological Chemistry, 2016, 291, 22106-22117.	3.4	19
54	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

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55	Bovine Herpesvirus 4 Modulates Its Î²-1,6- N -Acetylglucosaminyltransferase Activity through Alternative Splicing. Journal of Virology, 2016, 90, 2039-2051.	3.4	0
56	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
57	Glycoproteomic studies of IgE from a novel hyper IgE syndrome linked to PGM3 mutation. Glycoconjugate Journal, 2016, 33, 447-456.	2.7	32
58	Cellular O-Glycome Reporter/Amplification to explore O-glycans of living cells. Nature Methods, 2016, 13, 81-86.	19.0	81
59	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
60	Golgi self-correction generates bioequivalent glycans to preserve cellular homeostasis. ELife, 2016, 5, .	6.0	67
61	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
62	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
63	MKAN27435 Is Required for the Biosynthesis of Higher Subclasses of Lipooligosaccharides in Mycobacterium kansasii. PLoS ONE, 2015, 10, e0122804.	2.5	10
64	Gp120 on HIV-1 Virions Lacks O-Linked Carbohydrate. PLoS ONE, 2015, 10, e0124784.	2.5	25
65	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. PLoS ONE, 2015, 10, e0132389.	2.5	9
66	Developing the IVIG biomimetic, Hexa-Fc, for drug and vaccine applications. Scientific Reports, 2015, 5, 9526.	3.3	33
67	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. Chemistry and Biology, 2015, 22, 1052-1062.	6.0	36
68	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. Chemistry and Biology, 2015, 22, 1301-1312.	6.0	35
69	Mass Spectrometric Analyses of Cell and Tissue Glycomes. , 2015, , 69-77.		1
70	The highly conserved domain of unknown function 1792 has a distinct glycosyltransferase fold. Nature Communications, 2014, 5, 4339.	12.8	61
71	Systemic Blockade of Sialylation in Mice with a Global Inhibitor of Sialyltransferases. Journal of Biological Chemistry, 2014, 289, 35149-35158.	3.4	85
72	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

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73	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
74	Glycomic Characterization of Respiratory Tract Tissues of Ferrets. Journal of Biological Chemistry, 2014, 289, 28489-28504.	3.4	82
75	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. Nature Genetics, 2014, 46, 1021-1027.	21.4	119
76	Letter to the Glycoforum Transforming Glycoscience: An Australian Perspective. Glycobiology, 2014, 24, 1-3.	2.5	1
77	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
78	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
79	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
80	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
81	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
82	Deficiency Of JAGN1 Causes Severe Congenital Neutropenia Associated With Defective Secretory Pathway and Aberrant Myeloid Cell Homeostasis. Blood, 2013, 122, 439-439.	1.4	2
83	Mapping the N-glycome of human von Willebrand factor. Biochemical Journal, 2012, 447, 217-228.	3.7	78
84	The GlycanBuilder and GlycoWorkbench glycoinformatics tools: updates and new developments. Biological Chemistry, 2012, 393, 1357-1362.	2.5	147
85	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
86	Abstract 3417: An in vivo functional screen to identify metastasis suppressor genes. , 2012, , .		0
87	Abstract 2316: Itraconazole, an antifungal drug with anti-angiogenic activity, inhibits VEGFR2 trafficking, glycosylation, and signaling in endothelial cells. , 2012, , .		0
88	Human Sperm Binding Is Mediated by the Sialyl-Lewis ^x Oligosaccharide on the Zona Pellucida. Science, 2011, 333, 1761-1764.	12.6	278
89	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. Glycobiology, 2011, 21, 914-924.	2.5	78
90	Glycosylation Failure Extends to Glycoproteins in Gestational Diabetes Mellitus. Diabetes, 2011, 60, 909-917.	0.6	53

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91	EUROCarbDB: An open-access platform for glycoinformatics. Glycobiology, 2011, 21, 493-502.	2.5	116
92	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
93	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
94	High-sensitivity O-glycomic analysis of mice deficient in core 2 Î²1,6-N-acetylglucosaminyltransferases. Glycobiology, 2011, 21, 82-98.	2.5	44
95	Glycosylation of mouse and human immune cells: insights emerging from N-glycomics analyses. Biochemical Society Transactions, 2011, 39, 1334-1340.	3.4	46
96	Glycoproteomics: a powerful tool for characterizing the diverse glycoforms of bacterial pilins and flagellins. Biochemical Society Transactions, 2010, 38, 1307-1313.	3.4	22
97	Mouse and Human Glycomes. , 2010, , 263-327.		4
98	Physiological and glycomic characterization of N-acetylglucosaminyltransferase-IVa and -IVb double deficient mice. Glycobiology, 2010, 20, 485-497.	2.5	51
99	Mass Spectrometric Analysis of Mutant Mice. Methods in Enzymology, 2010, 478, 27-77.	1.0	50
100	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
101	Effects of Differential Glycosylation of Glycodelins on Lymphocyte Survival. Journal of Biological Chemistry, 2009, 284, 15084-15096.	3.4	54
102	Glycosyltransferase Function in Core 2-Type Protein O Glycosylation. Molecular and Cellular Biology, 2009, 29, 3770-3782.	2.3	100
103	Glycan family analysis for deducing N-glycan topology from single MS. Bioinformatics, 2009, 25, 365-371.	4.1	145
104	Mass spectrometry in the analysis of N-linked and O-linked glycans. Current Opinion in Structural Biology, 2009, 19, 498-506.	5.7	212
105	Glycoproteomics: Past, present and future. FEBS Letters, 2009, 583, 1728-1735.	2.8	79
106	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
107	Structural characterisation of neutrophil glycans by ultra sensitive mass spectrometric glycomics methodology. Glycoconjugate Journal, 2009, 26, 975-986.	2.7	68
108	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

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109	Characterizing the glycome of the mammalian immune system. Immunology and Cell Biology, 2008, 86, 564-573.	2.3	57
110	GlycoWorkbench: A Tool for the Computer-Assisted Annotation of Mass Spectra of Glycans. Journal of Proteome Research, 2008, 7, 1650-1659.	3.7	917
111	GlycomicsGlycomics and Mass SpectrometryMass spectrometry (MS). , 2008, , 2191-2217.		4
112	Software Tool for the Structural Determination of Glycosaminoglycans by Mass Spectrometry. Analytical Chemistry, 2008, 80, 9204-9212.	6.5	33
113	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
114	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
115	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
116	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
117	Expression of Bisecting Type and Lewisx/Lewisy Terminated N-Glycans on Human Sperm. Journal of Biological Chemistry, 2007, 282, 36593-36602.	3.4	65
118	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
119	Towards GAG glycomics: Analysis of highly sulfated heparins by MALDI-TOF massÂspectrometry. Glycobiology, 2007, 17, 972-982.	2.5	62
120	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
121	Automated N-Glycopeptide Identification Using a Combination of Single- and Tandem-MS. Journal of Proteome Research, 2007, 6, 3995-4005.	3.7	94
122	Glycoproteomics: Past, present and future. International Journal of Mass Spectrometry, 2007, 259, 16-31.	1.5	20
123	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
124	Glycomic Profiling of Cells and Tissues by Mass Spectrometry: Fingerprinting and Sequencing Methodologies. Methods in Enzymology, 2006, 415, 59-86.	1.0	144
125	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
126	Differential O-Glycosylation of a Conserved Domain Expressed in Murine and Human ZP3â€. Biochemistry, 2006, 45, 637-647.	2.5	50

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127	Glycomics investigation into insulin action. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 652-668.	2.4	17
128	Mass spectrometric analysis of N- and O-glycosylation of tissues and cells. Current Opinion in Structural Biology, 2006, 16, 584-591.	5.7	106
129	A focused microarray approach to functional glycomics: transcriptional regulation of the glycome. Glycobiology, 2006, 16, 117-131.	2.5	161
130	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
131	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
132	Bacterial glycoproteomics. Microbiology (United Kingdom), 2006, 152, 1575-1580.	1.8	60
133	Mass spectrometric characterisation of Taenia crassiceps metacestode N-glycans. Molecular and Biochemical Parasitology, 2005, 143, 245-249.	1.1	27
134	Potent suppression of natural killer cell response mediated by the ovarian tumor marker CA125. Gynecologic Oncology, 2005, 99, 704-713.	1.4	132
135	Automatic annotation of matrix-assisted laser desorption/ionizationN-glycan spectra. Proteomics, 2005, 5, 865-875.	2.2	166
136	MS strategies for high throughput glycomics and glyco-proteomics. International Journal of Experimental Pathology, 2004, 85, A51-A51.	1.3	1
137	Characterization of the Oligosaccharides Associated with the Human Ovarian Tumor Marker CA125. Journal of Biological Chemistry, 2003, 278, 28619-28634.	3.4	210
138	Proteinâ€“Hapten Binding: Challenges and Limitations for In Vitro Skin Sensitization Assays. Cutaneous and Ocular Toxicology, 2003, 22, 87-99.	0.3	3
139	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
140	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
141	The Expression of Free Oligosaccharides in Human Seminal Plasma. Journal of Biological Chemistry, 2002, 277, 32562-32570.	3.4	21
142	Characterization of a putative Î±-mannosyltransferase involved in phosphatidylinositol trimannoside biosynthesis in Mycobacterium tuberculosis. Biochemical Journal, 2002, 363, 437-447.	3.7	84
143	N-Linked Glycosylation in Campylobacter jejuni and Its Functional Transfer into E. coli. Science, 2002, 298, 1790-1793.	12.6	716
144	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

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145	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
146	The glycomes of Caenorhabditis elegans and other model organisms. Biochemical Society Symposia, 2002, 69, 117-134.	2.7	63
147	Molecular characterization of the surface layer proteins from Clostridium difficile. Molecular Microbiology, 2001, 40, 1187-1199.	2.5	177
148	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
149	Mass spectrometric strategies: providing structural clues for helminth glycoproteins. Trends in Parasitology, 2001, 17, 231-235.	3.3	37
150	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
151	Novel N-Glycans of the Parasitic Nematode Trichinella spiralis.. Trends in Glycoscience and Glycotechnology, 2001, 13, 481-492.	0.1	4
152	Modification of a recombinant GPI-anchored metalloproteinase for secretion alters the protein glycosylation. , 2000, 68, 407-421.		4
153	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
154	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
155	Pregnancy-associated Changes in the Glycosylation of Tamm-Horsfall Glycoprotein. Journal of Biological Chemistry, 2000, 275, 21928-21938.	3.4	72
156	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
157	Glycodelins: role in regulation of reproduction, potential for contraceptive development and diagnosis of male infertility. Human Reproduction, 1998, 13, 262-269.	0.9	20
158	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
159	Galactosamine in walls of slow-growing mycobacteria. Biochemical Journal, 1997, 327, 519-525.	3.7	35
160	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
161	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
162	Glycodelins as regulators of early events of reproduction. Clinical Endocrinology, 1997, 46, 381-386.	2.4	28

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163	Chemistry of the Lyxose-Containing Mycobacteriophage Receptors ofMycobacteriumphlei/Mycobacterium smegmatisâ€. Biochemistry, 1996, 35, 11812-11819.	2.5	32
164	A role for glycoconjugates in human development: the human feto-embryonic defence system hypothesis. Human Reproduction, 1996, 11, 467-473.	0.9	114
165	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
166	High Sensitivity Collisionally-activated Decomposition Tandem Mass Spectrometry on a Novel Quadrupole/Orthogonal-acceleration Time-of-flight Mass Spectrometer. , 1996, 10, 889-896.		398
167	Isolation and identification of novel sulfated and nonsulfated oligosialyl glycosphingolipids from sea urchin sperm. Glycoconjugate Journal, 1996, 13, 401-413.	2.7	68
168	Gender-specific Glycosylation of Human Glycodelin Affects Its Contraceptive Activity. Journal of Biological Chemistry, 1996, 271, 32159-32167.	3.4	138
169	Glycodelin from seminal plasma is a differentially glycosylated form of contraceptive glycodelin-A. Molecular Human Reproduction, 1996, 2, 759-765.	2.8	88
170	High Sensitivity Collisionallyâ€activated Decomposition Tandem Mass Spectrometry on a Novel Quadrupole/Orthogonalâ€acceleration Timeâ€ofâ€flight Mass Spectrometer. Rapid Communications in Mass Spectrometry, 1996, 10, 889-896.	1.5	4
171	Structural definition of the glycopeptidolipids and the pyruvylated, glycosylated acyltrehalose from Mycobacterium butyricum. Carbohydrate Research, 1995, 276, 449-455.	2.3	10
172	Meningococcal pilin: a glycoprotein substituted with digalactosyl 2,4â€diacetamidoâ€2,4,6â€trideoxyhexose. Molecular Microbiology, 1995, 17, 1201-1214.	2.5	256
173	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
174	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
175	Two different glycosyltransferase defects that result in GalNAcÎ±-O-peptide (Tn) expression. Glycobiology, 1994, 4, 267-280.	2.5	36
176	[8] Mass spectrometry of carbohydrate-containing biopolymers. Methods in Enzymology, 1994, 230, 108-132.	1.0	227
177	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
178	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
179	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
180	Stored dolichyl pyrophosphoryl oligosaccharides in Batten disease. American Journal of Medical Genetics Part A, 1992, 42, 580-585.	2.4	15

#	Article	IF	Citations
181	Glucan Synthesis inPneumocystis carinii. Journal of Protozoology, 1991, 38, 427-437.	0.8	20
182	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
183	Structural investigations and biological activity of inositol sphingophospholipids from Phytophthora capsici. FEBS Journal, 1990, 191, 203-209.	0.2	33
184	Normal and abnormal glycosylation probed by fast atom bombardment mass spectrometry. Biochemical Society Transactions, 1989, 17, 17-19.	3.4	2
185	Fast atom bombardment-mass spectrometry strategies for analysing glycoprotein glycans. Biochemical Society Transactions, 1989, 17, 243-245.	3.4	12
186	Fast atom bombardment mass spectrometric strategies for characterizing carbohydrate-containing biopolymers. Biological Mass Spectrometry, 1988, 16, 19-24.	0.5	66
187	F.A.B.-Mass Spectrometry of Carbohydrates. Advances in Carbohydrate Chemistry and Biochemistry, 1987, 45, 19-72.	0.9	330
188	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
189	Asn-linked oligosaccharides in lectin-resistant tumor-cell mutants with varying metastatic potential. FEBS Journal, 1986, 161, 359-373.	0.2	52
190	High-field-magnet mass spectrometry of biological molecules. Mass Spectrometry Reviews, 1984, 3, 357-394.	5.4	43
191	The amino acid sequence of delta haemolysin purified from a canine isolate ofS. aureus. FEBS Letters, 1984, 169, 25-29.	2.8	15
192	Biochemical evidence for a case of canine fucosidosis. Biochemical Society Transactions, 1984, 12, 288-289.	3.4	4
193	Fast atom bombardment mass spectrometry of a 6-O-methylglucose polysaccharide. Biomedical Mass Spectrometry, 1983, 10, 50-56.	1.9	57
194	Swainsonine affects the processing of glycoproteins in vivo. FEBS Letters, 1983, 163, 110-113.	2.8	37
195	Catalytic groups in relation to the structure of hexokinase. Biochemical Society Transactions, 1981, 9, 209-212.	3.4	2
196	Primary structure of a chloramphenicol acetyltransferase: Mass spectrometric studies. Biological Mass Spectrometry, 1981, 8, 128-136.	0.5	15
197	Extended performance using a high field magnet mass spectrometer. Biological Mass Spectrometry, 1981, 8, 463-473.	0.5	46
198	Characterisation of an adrenal zona glomerulosa-stimulating component of posterior pituitary extracts as Î±-MSH. Nature, 1980, 284, 464-467.	27.8	95

#	Article	IF	Citations
199	Structural Analysis of Oligosaccharides: FAB-MS, ES-MS and MALDI-MS. , 0, , 915-945.		4