Nicolle H Packer

List of Publications by Year
in descending order

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253 papers	16,004 citations	14124 69 h-index	25230 113 g-index
265 all docs	265 docs citations	265 times ranked	14993 citing authors

#	Article	IF	Citations
1	Long-term intrathecal administration of morphine vs. baclofen: Differences in CSF glycoconjugate profiles using multiglycomics. Glycobiology, 2022, 32, 50-59.	1.3	7
2	An Interactive View of Glycosylation. Methods in Molecular Biology, 2022, 2370, 41-65.	0.4	0
3	Targeting cell surface glycans with lectin-coated fluorescent nanodiamonds. Nanoscale Advances, 2022, 4, 1551-1564.	2.2	10
4	Membrane glycome is impacted by the cell culturing mode of neuroblastoma cells with differing migration and invasion potential. Glycobiology, 2022, , .	1.3	0
5	Assessing the activity of antibodies conjugated to upconversion nanoparticles for immunolabeling. Analytica Chimica Acta, 2022, 1209, 339863.	2.6	4
6	Phenotypic profiling of pancreatic ductal adenocarcinoma plasma-derived small extracellular vesicles for cancer diagnosis and cancer stage prediction: a proof-of-concept study. Analytical Methods, 2022, 14, 2255-2265.	1.3	6
7	Altered N-linked glycosylation in endometrial cancer. Analytical and Bioanalytical Chemistry, 2021, 413, 2721-2733.	1.9	14
8	Glycomics & Glycoproteomics: From Analytics to Function. Molecular Omics, 2021, 17, 8-10.	1.4	19
9	Enzymatic Azido-GalNAc-Functionalized Silk Fibroin for Click Chemistry Conjugation. Biomacromolecules, 2021, 22, 1752-1755.	2.6	2
10	FKRP-dependent glycosylation of fibronectin regulates muscle pathology in muscular dystrophy. Nature Communications, 2021, 12, 2951.	5.8	17
11	The Hitchhiker's guide to glycoproteomics. Biochemical Society Transactions, 2021, 49, 1643-1662.	1.6	25
12	Glycoproteome remodeling in MLL-rearranged B-cell precursor acute lymphoblastic leukemia. Theranostics, 2021, 11, 9519-9537.	4.6	8
13	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. Nature Methods, 2021, 18, 1304-1316.	9.0	74
14	Bisecting GlcNAc Protein N-Glycosylation Is Characteristic of Human Adipogenesis. Journal of Proteome Research, 2021, 20, 1313-1327.	1.8	5
15	GlycoBioinformatics. Beilstein Journal of Organic Chemistry, 2021, 17, 2726-2728.	1.3	2
16	The GlySpace Alliance: toward a collaborative global glycoinformatics community. Glycobiology, 2020, 30, 70-71.	1.3	28
17	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. Molecular and Cellular Proteomics, 2020, 19, 11-30.	2.5	87
18	GlyGen: Computational and Informatics Resources for Glycoscience. Glycobiology, 2020, 30, 72-73.	1.3	123

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19	Lipopolysaccharide and Morphine-3-Glucuronide-Induced Immune Signalling Increases the Expression of Polysialic Acid in PC12 Cells. Molecular Neurobiology, 2020, 57, 964-975.	1.9	4
20	Light-Emitting Diode Excitation for Upconversion Microscopy: A Quantitative Assessment. Nano Letters, 2020, 20, 8487-8492.	4.5	11
21	Assessing the Role of Pharyngeal Cell Surface Glycans in Group A Streptococcus Biofilm Formation. Antibiotics, 2020, 9, 775.	1.5	8
22	Interaction between Polysialic Acid and the MARCKS-ED Peptide at the Molecular Level. ACS Chemical Neuroscience, 2020, 11, 1944-1954.	1.7	1
23	Enabling Sensitive Phenotypic Profiling of Cancer-Derived Small Extracellular Vesicles Using Surface-Enhanced Raman Spectroscopy Nanotags. ACS Sensors, 2020, 5, 764-771.	4.0	66
24	Rapid and sensitive glycan targeting by lectin-SERS assay. Molecular Omics, 2020, 16, 339-344.	1.4	6
25	Changes in dietary fiber intake in mice reveal associations between colonic mucin O-glycosylation and specific gut bacteria. Gut Microbes, 2020, 12, 1802209.	4.3	25
26	Glyco-scope into the Role of Protein Glycosylation in the Female Reproductive Tract. Trends in Glycoscience and Glycotechnology, 2020, 32, E53-E61.	0.0	0
27	3D sub-diffraction imaging in a conventional confocal configuration by exploiting super-linear emitters. Nature Communications, 2019, 10, 3695.	5.8	51
28	Protein Paucimannosylation Is an Enriched Nâ€Glycosylation Signature of Human Cancers. Proteomics, 2019, 19, e1900010.	1.3	52
29	MALDI Mass Spectrometry Imaging of Earlyâ€and Lateâ€Stage Serous Ovarian Cancer Tissue Reveals Stageâ€Specific Nâ€Glycans. Proteomics, 2019, 19, e1800482.	1.3	47
30	Chemoenzymatic glycan labelling as a platform for site-specific IgM-antibody drug conjugates. Analytical Biochemistry, 2019, 584, 113385.	1.1	5
31	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. Nature Communications, 2019, 10, 3275.	5.8	70
32	Human glycan expression patterns influence Group A streptococcal colonization of epithelial cells. FASEB Journal, 2019, 33, 10808-10818.	0.2	5
33	Specific Sialoforms Required for the Immune Suppressive Activity of Human Soluble CD52. Frontiers in Immunology, 2019, 10, 1967.	2.2	14
34	Differential involvement of glycans in the binding of Staphylococcus epidermidis and Corynebacterium spp. to human sweat. Microbiological Research, 2019, 220, 53-60.	2.5	3
35	Comparing the chemical composition of dietary fibres prepared from sugarcane, psyllium husk and wheat dextrin. Food Chemistry, 2019, 298, 125032.	4.2	19
36	Updates to the Symbol Nomenclature for Glycans guidelines. Glycobiology, 2019, 29, 620-624.	1.3	292

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37	Time-Gated Luminescent In Situ Hybridization (LISH): Highly Sensitive Detection of Pathogenic Staphylococcus aureus. Molecules, 2019, 24, 2083.	1.7	4
38	Standardization of PGC-LC-MS-based glycomics for sample specific glycotyping. Analyst, The, 2019, 144, 3601-3612.	1.7	63
39	Influence of surface chemistry on the formation of a protein corona on nanodiamonds. Journal of Materials Chemistry B, 2019, 7, 3383-3389.	2.9	15
40	Visualizing neuroinflammation with fluorescence and luminescent lanthanide-based in situ hybridization. Journal of Neuroinflammation, 2019, 16, 65.	3.1	7
41	Post-Column Make-Up Flow (PCMF) Enhances the Performance of Capillary-Flow PGC-LC-MS/MS-Based Glycomics. Analytical Chemistry, 2019, 91, 4559-4567.	3.2	42
42	GlyConnect: Glycoproteomics Goes Visual, Interactive, and Analytical. Journal of Proteome Research, 2019, 18, 664-677.	1.8	95
43	Understanding cellular glycan surfaces in the central nervous system. Biochemical Society Transactions, 2019, 47, 89-100.	1.6	30
44	Translating Nâ€‹Glycan Analytical Applications into Clinical Strategies for Ovarian Cancer. Proteomics - Clinical Applications, 2019, 13, e1800099.	0.8	14
45	GlycoStore: a database of retention properties for glycan analysis. Bioinformatics, 2018, 34, 3231-3232.	1.8	77
46	Periconception onset diabetes is associated with embryopathy and fetal growth retardation, reproductive tract hyperglycosylation and impaired immune adaptation to pregnancy. Scientific Reports, 2018, 8, 2114.	1.6	30
47	Biosimilarity and Interchangeability: Principles and Evidence: A Systematic Review. BioDrugs, 2018, 32, 27-52.	2.2	69
48	Human disease glycomics: technology advances enabling protein glycosylation analysis â€“ part 1. Expert Review of Proteomics, 2018, 15, 165-182.	1.3	32
49	Discrimination of Isomers of Released N- and O-Glycans Using Diagnostic Product Ions in Negative Ion PGC-LC-ESI-MS/MS. Journal of the American Society for Mass Spectrometry, 2018, 29, 1194-1209.	1.2	84
50	Transition of Mesenchymal and Epithelial Cancer Cells Depends on Î±1-4 Galactosyltransferase-Mediated Glycosphingolipids. Cancer Research, 2018, 78, 2952-2965.	0.4	35
51	Reduced background autofluorescence for cell imaging using nanodiamonds and lanthanide chelates. Scientific Reports, 2018, 8, 4521.	1.6	48
52	Human disease glycomics: technology advances enabling protein glycosylation analysis â€“ part 2. Expert Review of Proteomics, 2018, 15, 341-352.	1.3	24
53	Building a PGC-LC-MS N-glycan retention library and elution mapping resource. Glycoconjugate Journal, 2018, 35, 15-29.	1.4	93
54	Development of a data independent acquisition mass spectrometry workflow to enable glycopeptide analysis without predefined glycan compositional knowledge. Journal of Proteomics, 2018, 172, 68-75.	1.2	39

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55	Raw N-glycan mass spectrometry imaging data on formalin-fixed mouse kidney. Data in Brief, 2018, 21, 185-188.	0.5	4
56	The effect of streptozotocin-induced hyperglycemia on N-and O-linked protein glycosylation in mouse ovary. Glycobiology, 2018, 28, 832-840.	1.3	11
57	Fiber Supplements Derived From Sugarcane Stem, Wheat Dextrin and Psyllium Husk Have Different In Vitro Effects on the Human Gut Microbiota. Frontiers in Microbiology, 2018, 9, 1618.	1.5	25
58	Glycomics@ExPASy: Bridging the Gap. Molecular and Cellular Proteomics, 2018, 17, 2164-2176.	2.5	48
59	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	1.3	69
60	Nâ€‹Glycan matrixâ€assisted laser desorption/ionization mass spectrometry imaging protocol for formalinâ€fixed paraffinâ€embedded tissues. Rapid Communications in Mass Spectrometry, 2017, 31, 825-841.	0.7	25
61	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. MBio, 2017, 8, .	1.8	25
62	Enhancing structural characterisation of glucuronidated Oâ€linked glycans using negative mode ion trap higher energy collisionâ€induced dissociation mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 851-858.	0.7	12
63	Paucimannose-Rich N-glycosylation of Spatiotemporally Regulated Human Neutrophil Elastase Modulates Its Immune Functions*.. Molecular and Cellular Proteomics, 2017, 16, 1507-1527.	2.5	57
64	Cereal products derived from wheat, sorghum, rice and oats alter the infant gut microbiota in vitro. Scientific Reports, 2017, 7, 14312.	1.6	48
65	Tissue glycomics distinguish tumour sites in women with advanced serous adenocarcinoma. Molecular Oncology, 2017, 11, 1595-1615.	2.1	24
66	GlyTouCan: an accessible glycan structure repository. Glycobiology, 2017, 27, 915-919.	1.3	123
67	Databases and Associated Tools for Glycomics and Glycoproteomics. Methods in Molecular Biology, 2017, 1503, 235-264.	0.4	44
68	Blood group antigen expression is involved in C. albicans interaction with buccal epithelial cells. Glycoconjugate Journal, 2017, 34, 31-50.	1.4	9
69	Navigating the Glycome Space and Connecting the Glycoproteome. Methods in Molecular Biology, 2017, 1558, 139-158.	0.4	4
70	Exploring the UniCarbKB Database. , 2017, , 197-214.		2
71	SugarBindDB. , 2017, , 247-260.		2
72	Polysialic Acid Regulates Sympathetic Outflow by Facilitating Information Transfer within the Nucleus of the Solitary Tract. Journal of Neuroscience, 2017, 37, 6558-6574.	1.7	8

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73	MALDI mass spectrometry imaging of Nâ€glycans on tibial cartilage and subchondral bone proteins in knee osteoarthritis. Proteomics, 2016, 16, 1736-1741.	1.3	43
74	Site-SpecificN-Glycosylation of Recombinant Pentameric and Hexameric Human IgM. Journal of the American Society for Mass Spectrometry, 2016, 27, 1143-1155.	1.2	38
75	Emerging roles of protein mannosylation in inflammation and infection. Molecular Aspects of Medicine, 2016, 51, 31-55.	2.7	74
76	Facile Assembly of Functional Upconversion Nanoparticles for Targeted Cancer Imaging and Photodynamic Therapy. ACS Applied Materials & Interfaces, 2016, 8, 11945-11953.	4.0	86
77	Sensitive Time-Gated Immunoluminescence Detection of Prostate Cancer Cells Using a TEGylated Europium Ligand. Analytical Chemistry, 2016, 88, 9564-9571.	3.2	27
78	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	1.3	62
79	Comprehensive analysis of the N-glycan biosynthetic pathway using bioinformatics to generate UniCorn: A theoretical N-glycan structure database. Carbohydrate Research, 2016, 431, 56-63.	1.1	28
80	Toward Automated N-Glycopeptide Identification in Glycoproteomics. Journal of Proteome Research, 2016, 15, 3904-3915.	1.8	105
81	Stable Upconversion Nanohybrid Particles for Specific Prostate Cancer Cell Immunodetection. Scientific Reports, 2016, 6, 37533.	1.6	25
82	N-glycan MALDI Imaging Mass Spectrometry on Formalin-Fixed Paraffin-Embedded Tissue Enables the Delineation of Ovarian Cancer Tissues. Molecular and Cellular Proteomics, 2016, 15, 3003-3016.	2.5	111
83	Asn347 Glycosylation of Corticosteroid-binding Globulin Fine-tunes the Host Immune Response by Modulating Proteolysis by Pseudomonas aeruginosa and Neutrophil Elastase. Journal of Biological Chemistry, 2016, 291, 17727-17742.	1.6	27
84	Pseudomonas aeruginosa Cell Membrane Protein Expression from Phenotypically Diverse Cystic Fibrosis Isolates Demonstrates Host-Specific Adaptations. Journal of Proteome Research, 2016, 15, 2152-2163.	1.8	28
85	Recombinant human heterodimeric IL-15 complex displays extensive and reproducible N- and O-linked glycosylation. Glycoconjugate Journal, 2016, 33, 417-433.	1.4	28
86	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. Glycoconjugate Journal, 2016, 33, 405-415.	1.4	25
87	Glycan involvement in the adhesion of Pseudomonas aeruginosa to tears. Experimental Eye Research, 2016, 145, 278-288.	1.2	28
88	FUT1genetic variants impact protein glycosylation of porcine intestinal mucosa. Glycobiology, 2016, 26, 607-622.	1.3	15
89	Maturing Glycoproteomics Technologies Provide Unique Structural Insights into the N-glycoproteome and Its Regulation in Health and Disease. Molecular and Cellular Proteomics, 2016, 15, 1773-1790.	2.5	166
90	UniCarbKB: New database features for integrating glycan structure abundance, compositional glycoproteomics data, and disease associations. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1669-1675.	1.1	27

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91	Terminal Galactosylation and Sialylation Switching on Membrane Glycoproteins upon TNF-Alpha-Induced Insulin Resistance in Adipocytes. Molecular and Cellular Proteomics, 2016, 15, 141-153.	2.5	80
92	SugarBindDB, a resource of glycan-mediated hostâ€“pathogen interactions. Nucleic Acids Research, 2016, 44, D1243-D1250.	6.5	40
93	Relative versus absolute quantitation in disease glycomics. Proteomics - Clinical Applications, 2015, 9, 368-382.	0.8	43
94	Complementary LC-MS/MS-Based N-Glycan, N-Glycopeptide, and Intact N-Glycoprotein Profiling Reveals Unconventional Asn71-Glycosylation of Human Neutrophil Cathepsin G. Biomolecules, 2015, 5, 1832-1854.	1.8	49
95	Multidimensional Fractionation Is a Requirement for Quantitation of Golgi-Resident Glycosylation Enzymes from Cultured Human Cells. Journal of Proteome Research, 2015, 14, 747-755.	1.8	2
96	A platform for the structural characterization of glycans enzymatically released from glycosphingolipids extracted from tissue and cells. Rapid Communications in Mass Spectrometry, 2015, 29, 545-561.	0.7	34
97	Cystic fibrosis and bacterial colonization define the sputum N-glycosylation phenotype. Glycobiology, 2015, 25, 88-100.	1.3	38
98	Human Neutrophils Secrete Bioactive Paucimannosidic Proteins from Azurophilic Granules into Pathogen-Infected Sputum. Journal of Biological Chemistry, 2015, 290, 8789-8802.	1.6	90
99	Relative quantitation of multi-antennary N-glycan classes: combining PGC-LC-ESI-MS with exoglycosidase digestion. Analyst, The, 2015, 140, 5444-5449.	1.7	21
100	In-depthN-glycome profiling of paired colorectal cancer and non-tumorigenic tissues reveals cancer-, stage- and EGFR-specific protein N-glycosylation. Glycobiology, 2015, 25, 1064-1078.	1.3	74
101	Quantitative proteomic analysis of paired colorectal cancer and non-tumorigenic tissues reveals signature proteins and perturbed pathways involved in CRC progression and metastasis. Journal of Proteomics, 2015, 126, 54-67.	1.2	34
102	MALDI imaging mass spectrometry of N-linked glycans on formalin-fixedÂparaffin-embedded murine kidney. Analytical and Bioanalytical Chemistry, 2015, 407, 2127-2139.	1.9	74
103	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	1.3	818
104	Modification of Asparagine-Linked Glycan Density for the Design of Hepatitis B Virus Virus-Like Particles with Enhanced Immunogenicity. Journal of Virology, 2015, 89, 11312-11322.	1.5	35
105	Sweating the small stuff: Glycoproteins in human sweat and their unexplored potential for microbial adhesion. Glycobiology, 2015, 26, cwv102.	1.3	10
106	Glycomic characterization of basal tears and changes with diabetes and diabetic retinopathy. Glycobiology, 2015, 25, 269-283.	1.3	38
107	UniCarbKB: Emergent Knowledgebase for Glycomics. , 2015, , 215-222.		1
108	Genetically and Phenotypically Distinct Pseudomonas aeruginosa Cystic Fibrosis Isolates Share a Core Proteomic Signature. PLoS ONE, 2015, 10, e0138527.	1.1	37

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109	SugarBindDB SugarBindDB : Resource of Pathogen Pathogen Lectin-Glycan Interactions Lectin-glycan interactions. , 2015, , 275-282.		0
110	The glycosphingolipid P1 is an ovarian cancer-associated carbohydrate antigen involved in migration. British Journal of Cancer, 2014, 111, 1634-1645.	2.9	40
111	MIRAGE: The minimum information required for a glycomics experiment. Glycobiology, 2014, 24, 402-406.	1.3	116
112	Differential Site Accessibility Mechanistically Explains Subcellular-Specific N-Glycosylation Determinants. Frontiers in Immunology, 2014, 5, 404.	2.2	50
113	Toolboxes for a standardised and systematic study of glycans. BMC Bioinformatics, 2014, 15, S9.	1.2	58
114	Cell surface protein glycosylation in cancer. Proteomics, 2014, 14, 525-546.	1.3	436
115	Comprehensive glycomics comparison between colon cancer cell cultures and tumours: Implications for biomarker studies. Journal of Proteomics, 2014, 108, 146-162.	1.2	57
116	Advances in LCâ€“MS/MS-based glycoproteomics: Getting closer to system-wide site-specific mapping of the N- and O-glycoproteome. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1437-1452.	1.1	183
117	Comparative Proteomics and Glycoproteomics Reveal Increased N-Linked Glycosylation and Relaxed Sequon Specificity in Campylobacter jejuni NCTC11168 O. Journal of Proteome Research, 2014, 13, 5136-5150.	1.8	48
118	Comprehensive N-Glycome Profiling of Cultured Human Epithelial Breast Cells Identifies Unique Secretome N-Glycosylation Signatures Enabling Tumorigenic Subtype Classification. Journal of Proteome Research, 2014, 13, 4783-4795.	1.8	39
119	Comparative N-Glycan Profiling of Colorectal Cancer Cell Lines Reveals Unique Bisecting GlcNAc and Î±-2,3-Linked Sialic Acid Determinants Are Associated with Membrane Proteins of the More Metastatic/Aggressive Cell Lines. Journal of Proteome Research, 2014, 13, 277-288.	1.8	97
120	Specific Glycosylation of Membrane Proteins in Epithelial Ovarian Cancer Cell Lines: Glycan Structures Reflect Gene Expression and DNA Methylation Status. Molecular and Cellular Proteomics, 2014, 13, 2213-2232.	2.5	134
121	GlycoDigest: a tool for the targeted use of exoglycosidase digestions in glycan structure determination. Bioinformatics, 2014, 30, 3131-3133.	1.8	29
122	UniCarbKB: building a knowledge platform for glycoproteomics. Nucleic Acids Research, 2014, 42, D215-D221.	6.5	147
123	Letter to the Glycoforum Transforming Glycoscience: An Australian Perspective. Glycobiology, 2014, 24, 1-3.	1.3	1
124	Validation of the curation pipeline of UniCarb-DB: Building a global glycan reference MS/MS repository. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 108-116.	1.1	58
125	A Sydney proteome story. Journal of Proteomics, 2014, 107, 13-23.	1.2	5
126	SugarBindDB, a Resource of Pathogen Lectin-Glycan Interactions. , 2014, , 1-7.		1

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127	UniCarbKB: An Emergent Knowledge Base for Glycomics. , 2014, , 1-7.		0
128	SugarBindDB, a Resource of Pathogen Lectin-Glycan Interactions. , 2014, , 1-6.		1
129	Site-Specific Glycan-Peptide Analysis for Determination of N-Glycoproteome Heterogeneity. Journal of Proteome Research, 2013, 12, 5791-5800.	1.8	153
130	Characterization of N- and O-linked glycosylation changes in milk of the tammar wallaby (Macropus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	10
131	Introducing glycomics data into the Semantic Web. Journal of Biomedical Semantics, 2013, 4, 39.	0.9	46
132	Structural analysis of glycoprotein sialylation â€“ Part I: pre-LC-MS analytical strategies. RSC Advances, 2013, 3, 22683.	1.7	46
133	Structural analysis of glycoprotein sialylation â€“ part II: LC-MS based detection. RSC Advances, 2013, 3, 22706.	1.7	81
134	Structural Feature Ions for Distinguishing N- and O-Linked Glycan Isomers by LC-ESI-IT MS/MS. Journal of the American Society for Mass Spectrometry, 2013, 24, 895-906.	1.2	122
135	Combined N-Glycome and N-Glycoproteome Analysis of the Lotus japonicus Seed Globulin Fraction Shows Conservation of Protein Structure and Glycosylation in Legumes. Journal of Proteome Research, 2013, 12, 3383-3392.	1.8	27
136	Glycoconjugates in human milk: Protecting infants from disease. Glycobiology, 2013, 23, 1425-1438.	1.3	93
137	The Fifth ACGG-DB Meeting Report: Towards an International Glycan Structure Repository. Glycobiology, 2013, 23, 1422-1424.	1.3	8
138	Tandem mass spectra of glycan substructures enable the multistage mass spectrometric identification of determinants on oligosaccharides. Rapid Communications in Mass Spectrometry, 2013, 27, 931-939.	0.7	35
139	Characterization and downstream mannose phosphorylation of human recombinant Î±â€<scp>L</scp>â€iduronidase produced in <scp>A</scp>rabidopsis complex glycanâ€deficient (cgl) seeds. Plant Biotechnology Journal, 2013, 11, 1034-1043.	4.1	18
140	Host mucin glycosylation plays a role in bacterial adhesion in lungs of individuals with cystic fibrosis. Expert Review of Respiratory Medicine, 2013, 7, 553-576.	1.0	44
141	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	2.5	103
142	Site-specific glycoproteomics confirms that protein structure dictates formation of N-glycan type, core fucosylation and branching. Glycobiology, 2012, 22, 1440-1452.	1.3	136
143	Comparative structural analysis of the glycosylation of salivary and buccal cell proteins: innate protection against infection by Candida albicans. Glycobiology, 2012, 22, 1465-1479.	1.3	93
144	Determination of site-specific glycan heterogeneity on glycoproteins. Nature Protocols, 2012, 7, 1285-1298.	5.5	170

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145	Microâ€•and macroheterogeneity of Nâ€glycosylation yields size and charge isoforms of human sex hormone binding globulin circulating in serum. Proteomics, 2012, 12, 3315-3327.	1.3	33
146	Structural analysis of N- and O-glycans released from glycoproteins. Nature Protocols, 2012, 7, 1299-1310.	5.5	363
147	An optimized approach for enrichment of glycoproteins from cell culture lysates using native multiâ€lectin affinity chromatography. Journal of Separation Science, 2012, 35, 2445-2452.	1.3	23
148	Production of Î±-L-iduronidase in maize for the potential treatment of a human lysosomal storage disease. Nature Communications, 2012, 3, 1062.	5.8	25
149	Production of active human glucocerebrosidase in seeds of Arabidopsis thaliana complex-glycan-deficient (cgl) plants. Glycobiology, 2012, 22, 492-503.	1.3	48
150	Total Synthesis of Homogeneous Antifreeze Glycopeptides and Glycoproteins. Angewandte Chemie - International Edition, 2012, 51, 3606-3610.	7.2	106
151	Influence of an ER-retention signal on the N-glycosylation of recombinant human Î±-l-iduronidase generated in seeds of Arabidopsis. Plant Molecular Biology, 2012, 79, 157-169.	2.0	25
152	Simultaneous Glycan-Peptide Characterization Using Hydrophilic Interaction Chromatography and Parallel Fragmentation by CID, Higher Energy Collisional Dissociation, and Electron Transfer Dissociation MS Applied to the N-Linked Glycoproteome of Campylobacter jejuni. Molecular and Cellular Proteomics, 2011, 10, S1-S18.	2.5	265
153	A Novel Post-translational Modification in Nerve Terminals: O-Linked N-Acetylglucosamine Phosphorylation. Journal of Proteome Research, 2011, 10, 2725-2733.	1.8	33
154	Comparative genome sequence analysis underscores mycoparasitism as the ancestral life style of Trichoderma. Genome Biology, 2011, 12, R40.	3.8	594
155	UniCarbKB: Putting the pieces together for glycomics research. Proteomics, 2011, 11, 4117-4121.	1.3	55
156	Siteâ€specific characterisation of densely Oâ€glycosylated mucinâ€type peptides using electron transfer dissociation ESIâ€MS/MS. Electrophoresis, 2011, 32, 3536-3545.	1.3	41
157	Analysis of mucosal mucins separated by SDSâ€urea agarose polyacrylamide composite gel electrophoresis. Electrophoresis, 2011, 32, 3554-3563.	1.3	15
158	N-Glycans Modulate the Function of Human Corticosteroid-Binding Globulin. Molecular and Cellular Proteomics, 2011, 10, M111.009100.	2.5	65
159	Liver Membrane Proteome Glycosylation Changes in Mice Bearing an Extra-hepatic Tumor. Molecular and Cellular Proteomics, 2011, 10, M900538-MCP200.	2.5	38
160	UniCarb-DB: a database resource for glycomic discovery. Bioinformatics, 2011, 27, 1343-1344.	1.8	128
161	Quantitative N-linked Glycoproteomics of Myocardial Ischemia and Reperfusion Injury Reveals Early Remodeling in the Extracellular Environment. Molecular and Cellular Proteomics, 2011, 10, M110.006833.	2.5	101
162	Identification of Glycan Structure Alterations on Cell Membrane Proteins in Desoxyepothilone B Resistant Leukemia Cells. Molecular and Cellular Proteomics, 2011, 10, M111.009001.	2.5	81

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163	The glycosylation of human synovial lubricin: implications for its role in inflammation. Biochemical Journal, 2010, 429, 359-367.	1.7	82
164	Mucinâ€type Oâ€glycosylation â€“ putting the pieces together. FEBS Journal, 2010, 277, 81-94.	2.2	209
165	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	2.5	136
166	GlycoViewer: a tool for visual summary and comparative analysis of the glycome. Nucleic Acids Research, 2010, 38, W667-W670.	6.5	14
167	The Lectin Riddle: Glycoproteins Fractionated from Complex Mixtures Have Similar Glycomic Profiles. OMICS A Journal of Integrative Biology, 2010, 14, 487-499.	1.0	43
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