

Friedrich Altmann

List of Publications by Year in descending order

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267
papers

17,294
citations

8181

76
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21540

114
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272
all docs

272
docs citations

272
times ranked

11874
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Mapping of the Human Brain N-Glycome with Standardized Graphitic Carbon Chromatography. <i>Biomolecules</i> , 2022, 12, 85.	4.0	11
2	O-methylated N-glycans Distinguish Mosses from Vascular Plants. <i>Biomolecules</i> , 2022, 12, 136.	4.0	8
3	The Degree and Length of <i>O</i> -Glycosylation of Recombinant Proteins Produced in <i>Pichia pastoris</i> Depends on the Nature of the Protein and the Process Type. <i>Biotechnology Journal</i> , 2021, 16, e2000266.	3.5	9
4	Beyond alcohol oxidase: the methylotrophic yeast <i>Komagataella phaffii</i> utilizes methanol also with its native alcohol dehydrogenase Adh2. <i>FEMS Yeast Research</i> , 2021, 21, .	2.3	14
5	Lewis A Glycans Are Present on Proteins Involved in Cell Wall Biosynthesis and Appear Evolutionarily Conserved Among Natural <i>Arabidopsis thaliana</i> Accessions. <i>Frontiers in Plant Science</i> , 2021, 12, 630891.	3.6	14
6	N-Glycan profiling of chondrocytes and fibroblast-like synoviocytes: Towards functional glycomics in osteoarthritis. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2000057.	1.6	8
7	Prolyl Hydroxylase Paralogs in <i>Nicotiana benthamiana</i> Show High Similarity With Regard to Substrate Specificity. <i>Frontiers in Plant Science</i> , 2021, 12, 636597.	3.6	10
8	The Structural Difference of Isobaric N-Glycans of Two Microalgae Samples Reveals Taxonomic Distance. <i>Frontiers in Plant Science</i> , 2021, 12, 643249.	3.6	3
9	Characterisation of a highly potent and near pan-neutralising anti-HIV monoclonal antibody expressed in tobacco plants. <i>Retrovirology</i> , 2021, 18, 17.	2.0	7
10	Impact of Specific N-Glycan Modifications on the Use of Plant-Produced SARS-CoV-2 Antigens in Serological Assays. <i>Frontiers in Plant Science</i> , 2021, 12, 747500.	3.6	8
11	<i>Thorsmoerkia curvula</i> gen. et spec. nov. (Trebouxiophyceae, Chlorophyta), a semi-terrestrial microalga from Iceland exhibits high levels of unsaturated fatty acids. <i>Journal of Applied Phycology</i> , 2021, 33, 3671-3682.	2.8	3
12	Investigation of a monoclonal antibody against enterotoxigenic <i>Escherichia coli</i> , expressed as secretory IgA1 and IgA2 in plants. <i>Gut Microbes</i> , 2021, 13, 1-14.	9.8	14
13	Bisecting Lewis X in Hybrid-Type <i>N</i> -Glycans of Human Brain Revealed by Deep Structural Glycomics. <i>Analytical Chemistry</i> , 2021, 93, 15175-15182.	6.5	17
14	A Combination of Structural, Genetic, Phenotypic and Enzymatic Analyses Reveals the Importance of a Predicted Fucosyltransferase to Protein O-Glycosylation in the Bacteroidetes. <i>Biomolecules</i> , 2021, 11, 1795.	4.0	5
15	Oxygen-Dependent Changes in the N-Glycome of Murine Pulmonary Endothelial Cells. <i>Antioxidants</i> , 2021, 10, 1947.	5.1	4
16	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
17	Engineering the interactions between a plant-produced <i>HIV</i> antibody and human Fc receptors. <i>Plant Biotechnology Journal</i> , 2020, 18, 402-414.	8.3	26
18	The secretome of <i>Pichia pastoris</i> in fed-batch cultivations is largely independent of the carbon source but changes quantitatively over cultivation time. <i>Microbial Biotechnology</i> , 2020, 13, 479-494.	4.2	15

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19	Utilization of different MurNAc sources by the oral pathogen <i>Tannerella forsythia</i> and role of the inner membrane transporter AmpG. <i>BMC Microbiology</i> , 2020, 20, 352.	3.3	5
20	Glycosylphosphatidylinositol-Anchored Synthesis in Plants: A Glycobiology Perspective. <i>Frontiers in Plant Science</i> , 2020, 11, 611188.	3.6	15
21	Stable Protein Sialylation in <i>Physcomitrella</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 610032.	3.6	21
22	Efficient N-Glycosylation of the Heavy Chain Tailpiece Promotes the Formation of Plant-Produced Dimeric IgA. <i>Frontiers in Chemistry</i> , 2020, 8, 346.	3.6	16
23	A first view on the unsuspected intragenus diversity of N-glycans in <i>Chlorella</i> microalgae. <i>Plant Journal</i> , 2020, 103, 184-196.	5.7	19
24	The N-glycans of <i>Chlorella sorokiniana</i> and a related strain contain arabinose but have strikingly different structures. <i>Glycobiology</i> , 2020, 30, 663-676.	2.5	19
25	A subcellular proteome atlas of the yeast <i>Komagataella phaffii</i> . <i>FEMS Yeast Research</i> , 2020, 20, .	2.3	16
26	Seed-produced anti-globulin VHH-Fc antibodies retrieve globulin precursors in the insoluble fraction and modulate the <i>Arabidopsis thaliana</i> seed subcellular morphology. <i>Plant Molecular Biology</i> , 2020, 103, 597-608.	3.9	4
27	Distinct Fcγ receptor N-glycans modulate the binding affinity to immunoglobulin A (IgA) antibodies. <i>Journal of Biological Chemistry</i> , 2019, 294, 13995-14008.	3.4	29
28	A signal motif retains <i>Arabidopsis</i> ER- α -mannosidase I in the cis-Golgi and prevents enhanced glycoprotein ERAD. <i>Nature Communications</i> , 2019, 10, 3701.	12.8	25
29	Impact of temperature and pH on recombinant human IgM quality attributes and productivity. <i>New Biotechnology</i> , 2019, 50, 20-26.	4.4	12
30	Peptidoglycan-type analysis of the N-acetylmuramic acid auxotrophic oral pathogen <i>Tannerella forsythia</i> and reclassification of the peptidoglycan-type of <i>Porphyromonas gingivalis</i> . <i>BMC Microbiology</i> , 2019, 19, 200.	3.3	8
31	N-glycans of the microalga <i>Chlorella vulgaris</i> are of the oligomannosidic type but highly methylated. <i>Scientific Reports</i> , 2019, 9, 331.	3.3	37
32	The Golgi Localization of GnTI Requires a Polar Amino Acid Residue within Its Transmembrane Domain. <i>Plant Physiology</i> , 2019, 180, 859-873.	4.8	13
33	LC-MS Analysis of (Glyco-)Proteins of <i>Pichia pastoris</i> . <i>Methods in Molecular Biology</i> , 2019, 1923, 351-360.	0.9	1
34	In Planta Glycan Engineering and Functional Activities of IgE Antibodies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 242.	4.1	19
35	Cytokine-Like 1 Is a Novel Proangiogenic Factor Secreted by and Mediating Functions of Endothelial Progenitor Cells. <i>Circulation Research</i> , 2019, 124, 243-255.	4.5	25
36	An oligosaccharyltransferase from <i>Leishmania major</i> increases the N-glycan occupancy on recombinant glycoproteins produced in <i>Nicotiana benthamiana</i> . <i>Plant Biotechnology Journal</i> , 2018, 16, 1700-1709.	8.3	54

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37	Reductive Alkaline Release of N-Glycans Generates a Variety of Unexpected, Useful Products. <i>Proteomics</i> , 2018, 18, 1700330.	2.2	5
38	ImmunoCAP cellulose displays cross-reactive carbohydrate determinant (CCD) epitopes and can cause false-positive test results in patients with high anti-CCD IgE antibody levels. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 372-381.e3.	2.9	52
39	Oligomannosidic glycans at Asn-110 are essential for secretion of human diamine oxidase. <i>Journal of Biological Chemistry</i> , 2018, 293, 1070-1087.	3.4	9
40	Processing of the Terminal Alpha-1,2-Linked Mannose Residues From Oligomannosidic N-Glycans Is Critical for Proper Root Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1807.	3.6	13
41	Production of a recombinant peroxidase in different glyco-engineered <i>Pichia pastoris</i> strains: a morphological and physiological comparison. <i>Microbial Cell Factories</i> , 2018, 17, 183.	4.0	27
42	A General Protein O-Glycosylation Gene Cluster Encodes the Species-Specific Glycan of the Oral Pathogen <i>Tannerella forsythia</i> : O-Glycan Biosynthesis and Immunological Implications. <i>Frontiers in Microbiology</i> , 2018, 9, 2008.	3.5	23
43	Exopolysaccharide from <i>Bifidobacterium longum</i> subsp. <i>longum</i> 35624 ^{ATCC} modulates murine allergic airway responses. <i>Beneficial Microbes</i> , 2018, 9, 761-773.	2.4	35
44	<i>Tannerella forsythia</i> strains display different cell-surface nonulosonic acids: biosynthetic pathway characterization and first insight into biological implications. <i>Glycobiology</i> , 2017, 27, 342-357.	2.5	21
45	Disruption of genes involved in CORVET complex leads to enhanced secretion of heterologous carboxylesterase only in protease deficient <i>Pichia pastoris</i> . <i>Biotechnology Journal</i> , 2017, 12, 1600584.	3.5	37
46	Recombinant plant-derived human IgE glycoproteomics. <i>Journal of Proteomics</i> , 2017, 161, 81-87.	2.4	16
47	Determination of true ratios of different N-glycan structures in electrospray ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2519-2530.	3.7	40
48	Exploring Site-Specific N-Glycosylation of HEK293 and Plant-Produced Human IgA Isotypes. <i>Journal of Proteome Research</i> , 2017, 16, 2560-2570.	3.7	41
49	Letter to the Editor regarding "Analysis of recombinant human follicle-stimulating hormone by mass spectrometric approaches". <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3899-3900.	3.7	0
50	A pseudaminic acid or a legionaminic acid derivative transferase is strain-specifically implicated in the general protein O-glycosylation system of the periodontal pathogen <i>Tannerella forsythia</i> . <i>Glycobiology</i> , 2017, 27, 555-567.	2.5	22
51	IgG subclass and vaccination stimulus determine changes in antigen specific antibody glycosylation in mice. <i>European Journal of Immunology</i> , 2017, 47, 2070-2079.	2.9	41
52	Glycan profile of CHO derived IgM purified by highly efficient single step affinity chromatography. <i>Analytical Biochemistry</i> , 2017, 539, 162-166.	2.4	16
53	Reduced paucimannosidic N-glycan formation by suppression of a specific β -hexosaminidase from <i>Nicotiana benthamiana</i> . <i>Plant Biotechnology Journal</i> , 2017, 15, 197-206.	8.3	46
54	Inhibition of cross-reactive carbohydrate determinants (CCDs) enhances the selectivity of in vitro allergy diagnosis. <i>Allergologie Select</i> , 2017, 1, 141-149.	3.1	10

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55	Flagellin glycosylation in <i>Paenibacillus alvei</i> CCM 2051 ^T . <i>Glycobiology</i> , 2016, 26, cwv087.	2.5	9
56	The S-Layer Protein of the Anammox Bacterium <i>Kuenenia stuttgartiensis</i> Is Heavily O-Glycosylated. <i>Frontiers in Microbiology</i> , 2016, 7, 1721.	3.5	19
57	Genome Analysis and Characterisation of the Exopolysaccharide Produced by <i>Bifidobacterium longum</i> subsp. <i>longum</i> 35624 ^c . <i>PLoS ONE</i> , 2016, 11, e0162983.	2.5	76
58	Transient Glyco-Engineering to Produce Recombinant IgA1 with Defined N- and O-Glycans in Plants. <i>Frontiers in Plant Science</i> , 2016, 7, 18.	3.6	63
59	Isotype-specific glycosylation analysis of mouse IgG by LC-MS. <i>Proteomics</i> , 2016, 16, 1321-1330.	2.2	23
60	Characterization of recombinant human diamine oxidase (rhDAO) produced in Chinese Hamster Ovary (CHO) cells. <i>Journal of Biotechnology</i> , 2016, 227, 120-130.	3.8	21
61	Monoclonal antibody therapy for Junin virus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4458-4463.	7.1	50
62	Hypermethylation of anthranilic acid-labeled sugars confers the selectivity required for liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2016, 514, 24-31.	2.4	12
63	Engineering of complex protein sialylation in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9498-9503.	7.1	88
64	The Surface-Associated Exopolysaccharide of <i>Bifidobacterium longum</i> 35624 Plays an Essential Role in Dampening Host Proinflammatory Responses and Repressing Local T _H 17 Responses. <i>Applied and Environmental Microbiology</i> , 2016, 82, 7185-7196.	3.1	126
65	Coping with cross-reactive carbohydrate determinants in allergy diagnosis. <i>Allergo Journal</i> , 2016, 25, 18-25.	0.1	2
66	Coping with cross-reactive carbohydrate determinants in allergy diagnosis. <i>Allergo Journal International</i> , 2016, 25, 98-105.	2.0	76
67	Antibody-mediated neutralization of myelin-associated EphrinB3 accelerates CNS remyelination. <i>Acta Neuropathologica</i> , 2016, 131, 281-298.	7.7	37
68	Distinguishing N-acetylneuraminic acid linkage isomers on glycopeptides by ion mobility-mass spectrometry. <i>Chemical Communications</i> , 2016, 52, 4381-4384.	4.1	91
69	Detailed characterization of the O-linked glycosylation of the neuropilin-1 c/MAM-domain. <i>Glycoconjugate Journal</i> , 2016, 33, 387-397.	2.7	19
70	Rice endosperm produces an underglycosylated and potent form of the HIV-neutralizing monoclonal antibody 2G12. <i>Plant Biotechnology Journal</i> , 2016, 14, 97-108.	8.3	58
71	Regulatory approval and a first-in-human phase I clinical trial of a monoclonal antibody produced in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 1106-1120.	8.3	205
72	Outer membrane vesicles of <i>Tannerella forsythia</i> : biogenesis, composition, and virulence. <i>Molecular Oral Microbiology</i> , 2015, 30, 451-473.	2.7	45

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73	Systems-level organization of yeast methylotrophic lifestyle. <i>BMC Biology</i> , 2015, 13, 80.	3.8	118
74	Combining Protein and Strain Engineering for the Production of Glyco-Engineered Horseradish Peroxidase C1A in <i>Pichia pastoris</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 23127-23142.	4.1	11
75	Transgenic Production of an Anti HIV Antibody in the Barley Endosperm. <i>PLoS ONE</i> , 2015, 10, e0140476.	2.5	41
76	Multistep processing of the secretion leader of the extracellular protein Epx1 in <i>Pichia pastoris</i> and implications for protein localization. <i>Microbiology (United Kingdom)</i> , 2015, 161, 1356-1368.	1.8	20
77	Characterization of plants expressing the human Î²1,4-galactosyltransferase gene. <i>Plant Physiology and Biochemistry</i> , 2015, 92, 39-47.	5.8	32
78	Development of a fed-batch process for a recombinant <i>Pichia pastoris</i> Î³och1 strain expressing a plant peroxidase. <i>Microbial Cell Factories</i> , 2015, 14, 1.	4.0	198
79	Glycan modulation and sulfoengineering of anti-HIV-1 monoclonal antibody PG9 in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12675-12680.	7.1	44
80	Isomer-Specific Analysis of Released N-Glycans by LC-ESI MS/MS with Porous Graphitized Carbon. <i>Methods in Molecular Biology</i> , 2015, 1321, 427-435.	0.9	43
81	Processing of complex N-glycans in IgG Fc-region is affected by core fucosylation. <i>MAbs</i> , 2015, 7, 863-870.	5.2	50
82	Isolation and Characterization of a Thionin Proprotein-processing Enzyme from Barley. <i>Journal of Biological Chemistry</i> , 2015, 290, 18056-18067.	3.4	22
83	Site-Specific Glycosylation Profiling Using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS). <i>Methods in Molecular Biology</i> , 2015, 1321, 407-415.	0.9	9
84	Detailed functional characterization of glycosylated and nonglycosylated variants of malaria vaccine candidate PfAMA1 produced in <i>Nicotiana benthamiana</i> and analysis of growth inhibitory responses in rabbits. <i>Plant Biotechnology Journal</i> , 2015, 13, 222-234.	8.3	32
85	Influence of Elastin-Like Polypeptide and Hydrophobin on Recombinant Hemagglutinin Accumulations in Transgenic Tobacco Plants. <i>PLoS ONE</i> , 2014, 9, e99347.	2.5	38
86	A context-independent N-glycan signal targets the misfolded extracellular domain of Arabidopsis STRUBBELIG to endoplasmic-reticulum-associated degradation. <i>Biochemical Journal</i> , 2014, 464, 401-411.	3.7	23
87	Arabidopsis Class I Î±-Mannosidases MNS4 and MNS5 Are Involved in Endoplasmic Reticulum-Associated Degradation of Misfolded Glycoproteins. <i>Plant Cell</i> , 2014, 26, 1712-1728.	6.6	60
88	The transmembrane domain of N-acetylglucosaminyltransferase I is the key determinant for its Golgi subcompartmentation. <i>Plant Journal</i> , 2014, 80, 809-822.	5.7	22
89	Proteolytic and N-Glycan Processing of Human Î±1-Antitrypsin Expressed in <i>Nicotiana benthamiana</i> . <i>Plant Physiology</i> , 2014, 166, 1839-1851.	4.8	55
90	Expression of human butyrylcholinesterase with an engineered glycosylation profile resembling the plasma-derived orthologue. <i>Biotechnology Journal</i> , 2014, 9, 501-510.	3.5	39

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91	UDP-N-acetyl-1,4-D-galactosamine:polypeptide N-acetylgalactosaminyl-transferase from the snail <i>Biomphalaria glabrata</i> – substrate specificity and preference of glycosylation sites. <i>Glycoconjugate Journal</i> , 2014, 31, 661-670.	2.7	6
92	Glyco-variant library of the versatile enzyme horseradish peroxidase. <i>Glycobiology</i> , 2014, 24, 852-863.	2.5	21
93	Characterization of a plant-produced recombinant human secretory IgA with broad neutralizing activity against HIV. <i>MAbs</i> , 2014, 6, 1585-1597.	5.2	47
94	The lipidome and proteome of microsomes from the methylotrophic yeast <i>Pichia pastoris</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 215-226.	2.4	34
95	Protein O-glycosylation in <i>Lactobacillus buchneri</i> . <i>Glycoconjugate Journal</i> , 2014, 31, 117-131.	2.7	25
96	Expression and glycoengineering of functionally active heteromultimeric IgM in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6263-6268.	7.1	77
97	Controlled glycosylation of plant-produced recombinant proteins. <i>Current Opinion in Biotechnology</i> , 2014, 30, 95-100.	6.6	88
98	Self-processing of a barley subtilase expressed in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2014, 101, 76-83.	1.3	8
99	Reduced quenching and extraction time for mammalian cells using filtration and syringe extraction. <i>Journal of Biotechnology</i> , 2014, 182-183, 97-103.	3.8	15
100	Immunocap Cellulose Displays Cross-Reactive Carbohydrate Epitopes and Can Cause False-Positive Test Results in Patients with Anti-CCD IgE Antibodies. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, AB398.	2.9	2
101	Site-specific analysis of the O-glycosylation of bovine fetuin by electron-transfer dissociation mass spectrometry. <i>Journal of Proteomics</i> , 2014, 108, 258-268.	2.4	57
102	Inhibition kreuzreaktiver Kohlenhydratdeterminanten (CCDs) erhöht die Treffsicherheit der In-vitro-Allergiediagnostik. <i>Allergologie</i> , 2014, 37, 46-54.	0.1	6
103	Plant species and organ influence the structure and subcellular localization of recombinant glycoproteins. <i>Plant Molecular Biology</i> , 2013, 83, 105-117.	3.9	37
104	Rhamnogalacturonan structure shows variation in the side chains monosaccharide composition and methylation status within and across different plant species. <i>Plant Journal</i> , 2013, 76, 61-72.	5.7	76
105	Expression of functionally active sialylated human erythropoietin in plants. <i>Biotechnology Journal</i> , 2013, 8, 371-382.	3.5	46
106	Inhibition of IgG binding to cross-reactive carbohydrate determinants enhances diagnostic selectivity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 1269-1277.	5.7	79
107	Cross-glycosylation of proteins in Bacteroidales species. <i>Glycobiology</i> , 2013, 23, 568-577.	2.5	29
108	Production, characterization, and antigen specificity of recombinant 6A71A3, a candidate monoclonal antibody for rabies prophylaxis in humans. <i>FASEB Journal</i> , 2013, 27, 2055-2065.	0.5	48

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109	Generation of hypoallergenic neoglycoconjugates for dendritic cell targeted vaccination: A novel tool for specific immunotherapy. <i>Journal of Controlled Release</i> , 2013, 165, 101-109.	9.9	36
110	Glycophenotyping of osteoarthritic cartilage and chondrocytes by RT-qPCR, mass spectrometry, histochemistry with plant/human lectins and lectin localization with a glycoprotein. <i>Arthritis Research and Therapy</i> , 2013, 15, R147.	3.5	38
111	Characterizing the Link between Glycosylation State and Enzymatic Activity of the Endo- β 1,4-glucanase KORRIGAN1 from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 22270-22280.	3.4	45
112	Knockout of an endogenous mannosyltransferase increases the homogeneity of glycoproteins produced in <i>Pichia pastoris</i> . <i>Scientific Reports</i> , 2013, 3, 3279.	3.3	62
113	A gene responsible for prolyl-hydroxylation of moss-produced recombinant human erythropoietin. <i>Scientific Reports</i> , 2013, 3, 3019.	3.3	50
114	Generation of Biologically Active Multi-Sialylated Recombinant Human EPOFc in Plants. <i>PLoS ONE</i> , 2013, 8, e54836.	2.5	66
115	Isomeric analysis of oligomannosidic N-glycans and their dolichol-linked precursors. <i>Glycobiology</i> , 2012, 22, 389-399.	2.5	56
116	Glycan profiles of the 27 N-glycosylation sites of the HIV envelope protein CN54gp140. <i>Biological Chemistry</i> , 2012, 393, 719-730.	2.5	61
117	Engineering of Sialylated Mucin-type O-Glycosylation in Plants. <i>Journal of Biological Chemistry</i> , 2012, 287, 36518-36526.	3.4	77
118	Determination of site-specific glycan heterogeneity on glycoproteins. <i>Nature Protocols</i> , 2012, 7, 1285-1298.	12.0	170
119	Growth, productivity and protein glycosylation in a CHO EpoFc producer cell line adapted to glutamine-free growth. <i>Journal of Biotechnology</i> , 2012, 157, 295-303.	3.8	45
120	Myrosinases TGG1 and TGG2 from <i>Arabidopsis thaliana</i> contain exclusively oligomannosidic N-glycans. <i>Phytochemistry</i> , 2012, 84, 24-30.	2.9	22
121	O-Glycosylation of snails. <i>Glycoconjugate Journal</i> , 2012, 29, 189-198.	2.7	16
122	Moss-based production of asialoerythropoietin devoid of Lewis A and other plant-typical carbohydrate determinants. <i>Plant Biotechnology Journal</i> , 2012, 10, 851-861.	8.3	74
123	Intracellular interactome of secreted antibody Fab fragment in <i>Pichia pastoris</i> reveals its routes of secretion and degradation. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2503-2512.	3.6	33
124	N-Glycosylation engineering of plants for the biosynthesis of glycoproteins with bisected and branched complex N-glycans. <i>Glycobiology</i> , 2011, 21, 813-823.	2.5	120
125	Silencing β 1,2-xylosyltransferase in Transgenic Tomato Fruits Reveals xylose as Constitutive Component of Ige-Binding Epitopes. <i>Frontiers in Plant Science</i> , 2011, 2, 42.	3.6	19
126	Inconsistent Results of Diagnostic Tools Hamper the Differentiation between Bee and Vespidae Venom Allergy. <i>PLoS ONE</i> , 2011, 6, e20842.	2.5	66

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127	Biochemical, molecular and preclinical characterization of a double-antigen virus-reduced human butyrylcholinesterase preparation designed for clinical use. <i>Vox Sanguinis</i> , 2011, 100, 285-297.	1.5	30
128	<i>Arabidopsis thaliana</i> alpha1,2-glucosyltransferase (ALG10) is required for efficient N-glycosylation and leaf growth. <i>Plant Journal</i> , 2011, 68, 314-325.	5.7	58
129	The two endo- β -N-acetylglucosaminidase genes from <i>Arabidopsis thaliana</i> encode cytoplasmic enzymes controlling free N-glycan levels. <i>Plant Molecular Biology</i> , 2011, 77, 275-284.	3.9	22
130	Analysis of recombinant human follicle-stimulating hormone (FSH) by mass spectrometric approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2427-2438.	3.7	48
131	Glycan analysis by modern instrumental methods. <i>Proteomics</i> , 2011, 11, 631-643.	2.2	137
132	The Alg5 ortholog WollknÄuel is essential for correct epidermal differentiation during <i>Drosophila</i> late embryogenesis. <i>Glycobiology</i> , 2011, 21, 743-756.	2.5	13
133	β -N-Acetylhexosaminidases HEXO1 and HEXO3 Are Responsible for the Formation of Paucimannosidic N-Glycans in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 10793-10802.	3.4	69
134	Discovery and Structural Characterization of Fucosylated Oligomannosidic N-Glycans in Mushrooms. <i>Journal of Biological Chemistry</i> , 2011, 286, 5977-5984.	3.4	32
135	Characterization and Scope of S-layer Protein O-Glycosylation in <i>Tannerella forsythia</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 38714-38724.	3.4	82
136	Rapid High Yield Production of Different Glycoforms of Ebola Virus Monoclonal Antibody. <i>PLoS ONE</i> , 2011, 6, e26040.	2.5	61
137	Analytical and Functional Aspects of Antibody Sialylation. <i>Journal of Clinical Immunology</i> , 2010, 30, 15-19.	3.8	59
138	Phenotype-related differential β -2,6- or β -2,3-sialylation of glycoprotein N-glycans in human chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2010, 18, 240-248.	1.3	45
139	The response to unfolded protein is involved in osmotolerance of <i>Pichia pastoris</i> . <i>BMC Genomics</i> , 2010, 11, 207.	2.8	74
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