Markus Aebi

List of Articles by Year in descending order

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155 peer-reviewed articles	15,856 peer-reviewed citations	23079 60 peer-reviewed h-index	147458 6.10 score
169 documents	19341 doc citations	18930 68 h-index	28135 citing authors

#	Article	IF	Citations
1	Comparison of pregnant mare serum gonadotropin products with surprising differences in protein content. Scientific Reports, 2025, 15, .	2.7	2
2	Microfluidic mimicry of the Golgi-linked N -glycosylation machinery. Lab on A Chip, 2025, 25, 1907-1917.	4.0	3
3	A hierarchical structure in the N-glycosylation process governs the N-glycosylation output: prolonged cultivation induces glycoenzymes expression variations that are reflected in the cellular N-glycome but not in the protein and site-specific glycoprofile of CHO cells. Glycobiology, 2024, 34, .	1.5	5
4	Structure–function relationship of a novel fucoside-binding fruiting body lectin from Coprinopsis cinerea exhibiting nematotoxic activity. Glycobiology, 2022, 32, 600-615.	1.5	10
5	Glycosylation network mapping and site-specific glycan maturation in vivo. IScience, 2022, 25, 105417.	2.4	13
6	Molecular basis for glycan recognition and reaction priming of eukaryotic oligosaccharyltransferase. Nature Communications, 2022, 13, .	10.8	30
7	Glycan–protein interactions determine kinetics of N -glycan remodeling. RSC Chemical Biology, 2021, 2, 917-931.	2.6	31
8	Substrate specificities and reaction kinetics of the yeast oligosaccharyltransferase isoforms. Journal of Biological Chemistry, 2021, 296, 100809.	1.3	8
9	N-Glycosylation Enhances Conformational Flexibility of Protein Disulfide Isomerase Revealed by Microsecond Molecular Dynamics and Markov State Modeling. Journal of Physical Chemistry B, 2021, 125, 9467-9479.	2.0	22
10	Functional analysis of Ost3p and Ost6p containing yeast oligosaccharyltransferases. Glycobiology, 2021, 31, 1604-1615.	1.5	8
11	Structure and mechanism of the ER-based glucosyltransferase ALG6. Nature, 2020, 579, 443-447.	30.6	84
12	Cytoplasmic glycoengineering enables biosynthesis of nanoscale glycoprotein assemblies. Nature Communications, 2019, 10, .	10.8	50
13	Mechanistic reconstruction of glycoprotein secretion through monitoring of intracellular N-glycan processing. Science Advances, 2019, 5, .	8.1	47
14	Bidirectional Propagation of Signals and Nutrients in Fungal Networks via Specialized Hyphae. Current Biology, 2019, 29, 217-228.e4.	2.5	115
15	SnapShot: O-Glycosylation Pathways across Kingdoms. Cell, 2018, 172, 632-632.e2.	23.4	95
16	Structure of the yeast oligosaccharyltransferase complex gives insight into eukaryotic N-glycosylation. Science, 2018, 359, 545-550.	26.1	196
17	Quantitative Profiling of N-linked Glycosylation Machinery in Yeast Saccharomyces cerevisiae. Molecular and Cellular Proteomics, 2018, 17, 18-30.	3.2	34
18	A molecular mechanism for the enzymatic methylation of nitrogen atoms within peptide bonds. Science Advances, 2018, 4, .	8.1	58

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19	Induction of antibacterial proteins and peptides in the coprophilous mushroom Coprinopsis cinerea in response to bacteria. ISME Journal, 2018, 13, 588-602.	5.9	98
20	The genomes of Crithidia bombi and C. expoeki, common parasites of bumblebees. PLoS ONE, 2018, 13, e0189738.	1.5	38
21	Precisely heterogeneous - the making of N-glycoproteins. FASEB Journal, 2018, 32, .	2.3	1
22	The N -linking glycosylation system from Actinobacillus pleuropneumoniae is required for adhesion and has potential use in glycoengineering. Open Biology, 2017, 7, 160212.	1.8	31
23	Chemo-enzymatic synthesis of lipid-linked GlcNAc2Man5 oligosaccharides using recombinant Alg1, Alg2 and Alg11 proteins. Glycobiology, 2017, 27, 726-733.	1.5	41
24	Molecular basis of lipid-linked oligosaccharide recognition and processing by bacterial oligosaccharyltransferase. Nature Structural and Molecular Biology, 2017, 24, 1100-1106.	5.8	83
25	A biosynthetic route for polysialylating proteins in Escherichia coli. Metabolic Engineering, 2017, 44, 293-301.	5.3	40
26	Analysis of substrate specificity of Trypanosoma brucei oligosaccharyltransferases (OSTs) by functional expression of domain-swapped chimeras in yeast. Journal of Biological Chemistry, 2017, 292, 20342-20352.	1.3	9
27	Engineering protein glycosylation in prokaryotes. Current Opinion in Systems Biology, 2017, 5, 23-31.	1.2	30
28	Characterization of the single-subunit oligosaccharyltransferase STT3A from Trypanosoma brucei using synthetic peptides and lipid-linked oligosaccharide analogs. Glycobiology, 2017, 27, 525-535.	1.5	35
29	Influence of protein/glycan interaction on site-specific glycan heterogeneity. FASEB Journal, 2017, 31, 4623-4635.	2.3	44
30	Supercharging Reagent for Enhanced Liquid Chromatographic Separation and Charging of Sialylated and High-Molecular-Weight Glycopeptides for NanoHPLC–ESI-MS/MS Analysis. Analytical Chemistry, 2016, 88, 8484-8494.	5.2	19
31	Mapping the O-Mannose Glycoproteome in Saccharomyces cerevisiae. Molecular and Cellular Proteomics, 2016, 15, 1323-1337.	3.2	81
32	Structural characterization of the N-linked pentasaccharide decorating glycoproteins of the halophilic archaeonHaloferax volcanii. Glycobiology, 2016, 26, 745-756.	1.5	41
33	Posttranslational Modifications of Intact Proteins Detected by NMR Spectroscopy: Application to Glycosylation. Angewandte Chemie - International Edition, 2015, 54, 7096-7100.	11.6	56
34	Inhibition of Haemonchus contortus larval development by fungal lectins. Parasites and Vectors, 2015, 8, .	2.0	52
35	Parasite Glycobiology: A Bittersweet Symphony. PLoS Pathogens, 2015, 11, e1005169.	2.9	46
36	Disruption of the C. elegans Intestinal Brush Border by the Fungal Lectin CCL2 Phenocopies Dietary Lectin Toxicity in Mammals. PLoS ONE, 2015, 10, e0129381.	1.5	48

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37	An enzyme-based screening system for the rapid assessment of protein N-glycosylation efficiency in yeast. Glycobiology, 2015, 25, 252-257.	1.5	9
38	The interplay of Hrd3 and the molecular chaperone system ensures efficient degradation of malfolded secretory proteins. Molecular Biology of the Cell, 2015, 26, 185-194.	1.8	37
39	Glycosylation profiles determine extravasation and disease-targeting properties of armed antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2000-2005.	5.2	36
40	Analysis of site-specificN-glycan remodeling in the endoplasmic reticulum and the Golgi. Glycobiology, 2015, 25, 1335-1349.	1.5	71
41	Protein degradation corrects for imbalanced subunit stoichiometry in OST complex assembly. Molecular Biology of the Cell, 2015, 26, 2596-2608.	1.8	56
42	Posttranslational Modifications of Intact Proteins Detected by NMR Spectroscopy: Application to Glycosylation. Angewandte Chemie, 2015, 127, 7202-7206.	0.9	10
43	Symbol Nomenclature for Graphical Representations of Glycans. Glycobiology, 2015, 25, 1323-1324.	1.5	1,097
44	Structure and mechanism of an active lipid-linked oligosaccharide flippase. Nature, 2015, 524, 433-438.	30.6	199
45	Substrate Specificity of Cytoplasmic N-Glycosyltransferase. Journal of Biological Chemistry, 2014, 289, 24521-24532.	1.3	59
46	Structural Basis of Substrate Specificity of Human Oligosaccharyl Transferase Subunit N33/Tusc3 and Its Role in Regulating Protein N-Glycosylation. Structure, 2014, 22, 590-601.	2.4	89
47	Copsin, a Novel Peptide-based Fungal Antibiotic Interfering with the Peptidoglycan Synthesis. Journal of Biological Chemistry, 2014, 289, 34953-34964.	1.3	170
48	Probing bacterial–fungal interactions at the single cell level. Integrative Biology (United Kingdom), 2014, 6, 935-945.	1.4	83
49	Comparative transcriptomics of the model mushroom Coprinopsis cinerea reveals tissue-specific armories and a conserved circuitry for sexual development. BMC Genomics, 2014, 15, .	2.1	80
50	Protein O-Mannosyltransferases Associate with the Translocon to Modify Translocating Polypeptide Chains. Journal of Biological Chemistry, 2014, 289, 8599-8611.	1.3	22
51	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, .	5.2	86
52	Molecular Analysis of an Alternative N-Glycosylation Machinery by Functional Transfer from Actinobacillus pleuropneumoniae to Escherichia coli. Journal of Biological Chemistry, 2014, 289, 2170-2179.	1.3	79
53	HR-MAS NMR reveals a pH-dependent LPS alteration by de-O-acetylation at abequose in the O-antigen of Salmonella enterica serovar Typhimurium. Carbohydrate Research, 2013, 382, 58-64.	2.2	13
54	Unexpected reactivity and mechanism of carboxamide activation in bacterial N-linked protein glycosylation. Nature Communications, 2013, 4, .	10.8	62

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55	N-Linked Protein Glycosylation in the Endoplasmic Reticulum. Cold Spring Harbor Perspectives in Biology, 2013, 5, a013359-a013359.	4.8	304
56	N-linked protein glycosylation in the ER. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2430-2437.	2.5	701
57	A Combined System for Engineering Glycosylation Efficiency and Glycan Structure in Saccharomyces cerevisiae. Applied and Environmental Microbiology, 2013, 79, 997-1007.	2.4	78
58	A two-step enzymatic glycosylation of polypeptides with complex N-glycans. Bioorganic and Medicinal Chemistry, 2013, 21, 2262-2270.	2.1	60
59	Eukaryotic Oligosaccharyltransferase Generates Free Oligosaccharides during N-Glycosylation. Journal of Biological Chemistry, 2013, 288, 32673-32684.	1.3	52
60	Identification of the galactosyltransferase of Cryptococcus neoformans involved in the biosynthesis of basidiomycete-type glycosylinositolphosphoceramide. Glycobiology, 2013, 23, 1210-1219.	1.5	9
61	Mechanism of Bacterial Oligosaccharyltransferase. Journal of Biological Chemistry, 2013, 288, 8849-8861.	1.3	87
62	Plasticity of the β-Trefoil Protein Fold in the Recognition and Control of Invertebrate Predators and Parasites by a Fungal Defence System. PLoS Pathogens, 2012, 8, e1002706.	2.9	75
63	Galactosylated Fucose Epitopes in Nematodes. Journal of Biological Chemistry, 2012, 287, 28276-28290.	1.3	52
64	Structural Basis of Trypsin Inhibition and Entomotoxicity of Cospin, Serine Protease Inhibitor Involved in Defense of Coprinopsis cinerea Fruiting Bodies. Journal of Biological Chemistry, 2012, 287, 3898-3907.	1.3	60
65	An engineered eukaryotic protein glycosylation pathway in Escherichia coli. Nature Chemical Biology, 2012, 8, 434-436.	9.1	270
66	On-Cell MAS NMR: Physiological Clues from Living Cells. Journal of the American Chemical Society, 2012, 134, 17513-17519.	11.7	30
67	Supported Lipopolysaccharide Bilayers. Langmuir, 2012, 28, 12199-12208.	3.0	35
68	Nematotoxicity of Marasmius oreades Agglutinin (MOA) Depends on Glycolipid Binding and Cysteine Protease Activity. Journal of Biological Chemistry, 2011, 286, 30337-30343.	1.3	50
69	X-ray structure of a bacterial oligosaccharyltransferase. Nature, 2011, 474, 350-355.	30.6	356
70	N-Linked Glycosylation of Antibody Fragments in Escherichia coli. Bioconjugate Chemistry, 2011, 22, 488-496.	2.9	64
71	A Complex of Pdi1p and the Mannosidase Htm1p Initiates Clearance of Unfolded Glycoproteins from the Endoplasmic Reticulum. Molecular Cell, 2011, 42, 782-793.	8.6	117
72	Mechanisms and principles of N-linked protein glycosylation. Current Opinion in Structural Biology, 2011, 21, 576-582.	4.6	680

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73	Glycomimicry: display of fucosylation on the lipo-oligosaccharide of recombinant Escherichia coli K12. Glycoconjugate Journal, 2011, 28, 39-47.	1.8	17
74	Oligosaccharyltransferase: the central enzyme of N-linked protein glycosylation. Journal of Inherited Metabolic Disease, 2011, 34, 869-878.	2.6	199
75	The genetic interaction network of CCW12, a Saccharomyces cerevisiae gene required for cell wall integrity during budding and formation of mating projections. BMC Genomics, 2011, 12, .	2.1	41
76	Cytoplasmic N-Glycosyltransferase of Actinobacillus pleuropneumoniae Is an Inverting Enzyme and Recognizes the NX(S/T) Consensus Sequence. Journal of Biological Chemistry, 2011, 286, 35267-35274.	1.3	85
77	Relaxed acceptor site specificity of bacterial oligosaccharyltransferase in vivo. Glycobiology, 2011, 21, 45-54.	1.5	63
78	N-glycan structures: recognition and processing in the ER. Trends in Biochemical Sciences, 2010, 35, 74-82.	5.8	466
79	A combined method for producing homogeneous glycoproteins with eukaryotic N-glycosylation. Nature Chemical Biology, 2010, 6, 264-266.	9.1	184
80	Identification, Characterization, and Biosynthesis of a Novel N-Glycan Modification in the Fruiting Body of the Basidiomycete Coprinopsis cinerea. Journal of Biological Chemistry, 2010, 285, 10715-10723.	1.3	27
81	The Escherichia coli glycophage display system. Glycobiology, 2010, 20, 1366-1372.	1.5	34
82	Caenorhabditis elegans N-glycan Core β-galactoside Confers Sensitivity towards Nematotoxic Fungal Galectin CGL2. PLoS Pathogens, 2010, 6, e1000717.	2.9	108
83	Glycomimicry: Display of the GM3 sugar epitope on Escherichia coli and Salmonella enterica sv Typhimurium. Glycobiology, 2010, 20, 1289-1297.	1.5	24
84	Oxidoreductase activity of oligosaccharyltransferase subunits Ost3p and Ost6p defines site-specific glycosylation efficiency. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11061-11066.	5.2	125
85	O-Antigen-NegativeSalmonella entericaSerovar Typhimurium Is Attenuated in Intestinal Colonization but Elicits Colitis in Streptomycin-Treated Mice. Infection and Immunity, 2009, 77, 2568-2575.	2.0	63
86	Htm1 protein generates the N-glycan signal for glycoprotein degradation in the endoplasmic reticulum. Journal of Cell Biology, 2009, 184, 159-172.	3.6	238
87	Molecular Basis for Galactosylation of Core Fucose Residues in Invertebrates. Journal of Biological Chemistry, 2009, 284, 36223-36233.	1.3	58
88	Analysis of Glycosylation Site Occupancy Reveals a Role for Ost3p and Ost6p in Site-specific N-Glycosylation Efficiency. Molecular and Cellular Proteomics, 2009, 8, 357-364.	3.2	85
89	Distinct donor and acceptor specificities of Trypanosoma brucei oligosaccharyltransferases. EMBO Journal, 2009, 28, 2650-2661.	5.1	104
90	NMR Structure Determination of a Segmentally Labeled Glycoprotein Using in Vitro Glycosylation. Journal of the American Chemical Society, 2009, 131, 1274-1281.	11.7	75

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91	Human RFT1 Deficiency Leads to a Disorder of N-Linked Glycosylation. American Journal of Human Genetics, 2008, 82, 600-606.	4.0	61
92	Structural Basis for Chitotetraose Coordination by CGL3, a Novel Galectin-Related Protein from Coprinopsis cinerea. Journal of Molecular Biology, 2008, 379, 146-159.	2.9	59
93	All in One:Leishmania majorSTT3 Proteins Substitute for the Whole Oligosaccharyltransferase Complex inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2008, 19, 3758-3768.	1.8	78
94	Limited Redundancy in Phosphorylation of Retinoblastoma Tumor Suppressor Protein by Cyclin-Dependent Kinases in Acute Lymphoblastic Leukemia. American Journal of Pathology, 2006, 169, 1074-1079.	2.8	15
95	Two distinct but interchangeable mechanisms for flipping of lipid-linked oligosaccharides. EMBO Journal, 2006, 25, 967-976.	5.1	150
96	Definition of the bacterial N-glycosylation site consensus sequence. EMBO Journal, 2006, 25, 1957-1966.	5.1	339
97	The N-glycosylation defect of cwh8Δ yeast cells causes a distinct defect in sphingolipid biosynthesis. Glycobiology, 2006, 16, 155-164.	1.5	21
98	Targeted Gene Silencing in the Model Mushroom Coprinopsis cinerea (Coprinus cinereus) by Expression of Homologous Hairpin RNAs. Eukaryotic Cell, 2006, 5, 732-744.	2.7	78
99	An Essential Gene for Fruiting Body Initiation in the Basidiomycete Coprinopsis cinerea Is Homologous to Bacterial Cyclopropane Fatty Acid Synthase Genes. Genetics, 2006, 172, 873-884.	3.3	50
100	Interplay of the Wzx Translocase and the Corresponding Polymerase and Chain LengthRegulator Proteins in the Translocation and Periplasmic Assembly of Lipopolysaccharide O Antigen. Journal of Bacteriology, 2006, 188, 5124-5135.	2.2	90
101	Substrate specificity of bacterial oligosaccharyltransferase suggests a common transfer mechanism for the bacterial and eukaryotic systems. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7088-7093.	5.2	194
102	Altered glycan structures: the molecular basis of congenital disorders of glycosylation. Current Opinion in Structural Biology, 2005, 15, 490-498.	4.6	238
103	The N-X-S/T consensus sequence is required but not sufficient for bacterial N-linked protein glycosylation. Glycobiology, 2005, 15, 361-367.	1.5	104
104	Engineering N-linked protein glycosylation with diverse O antigen lipopolysaccharide structures in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3016-3021.	5.2	430
105	ALG9 mannosyltransferase is involved in two different steps of lipid-linked oligosaccharide biosynthesis. Glycobiology, 2005, 15, 1156-1163.	1.5	65
106	The 3.4-kDa Ost4 protein is required for the assembly of two distinct oligosaccharyltransferase complexes in yeast. Glycobiology, 2005, 15, 1396-1406.	1.5	60
107	Biosynthesis of Lipid-linked Oligosaccharides in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2005, 280, 34500-34506.	1.3	74
108	Ligand interactions of the Coprinopsis cinerea galectins. Fungal Genetics and Biology, 2005, 42, 293-305.	1.8	28

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109	Deficiency of the first mannosylation step in the N-glycosylation pathway causes congenital disorder of glycosylation type Ik. Human Molecular Genetics, 2004, 13, 535-542.	2.1	84
110	Structure and Functional Analysis of the Fungal Galectin CGL2. Structure, 2004, 12, 689-702.	2.4	115
111	Roles of N-Linked Glycans in the Endoplasmic Reticulum. Annual Review of Biochemistry, 2004, 73, 1019-1049.	14.0	1,952
112	Promoter analysis of cgl2, a galectin encoding gene transcribed during fruiting body formation in Coprinopsis cinerea (Coprinus cinereus). Fungal Genetics and Biology, 2004, 41, 1120-1131.	1.8	30
113	Multiple Endoplasmic Reticulum-associated Pathways Degrade Mutant Yeast Carboxypeptidase Y in Mammalian Cells. Journal of Biological Chemistry, 2003, 278, 46895-46905.	1.3	40
114	Expression and characterization of a human cDNA that complements the temperature-sensitive defect in dolichol kinase activity in the yeast sec59-1 mutant: the enzymatic phosphorylation of dolichol and diacylglycerol are catalyzed by separate CTP-mediated kinase activities in Saccharomyces cerevisiae. Glycobiology, 2002, 12, 555-562.	1.5	33
115	ALG12 mannosyltransferase defect in congenital disorder of glycosylation type lg. Human Molecular Genetics, 2002, 11, 2331-2339.	2.1	76
116	Transmembrane movement of dolichol linked carbohydrates during N-glycoprotein biosynthesis in the endoplasmic reticulum. Seminars in Cell and Developmental Biology, 2002, 13, 171-178.	3.8	76
117	Translocation of lipid-linked oligosaccharides across the ER membrane requires Rft1 protein. Nature, 2002, 415, 447-450.	30.6	261
118	Intracellular Functions of N-Linked Glycans. Science, 2001, 291, 2364-2369.	26.1	2,302
119	Htm1p, a mannosidase-like protein, is involved in glycoprotein degradation in yeast. EMBO Reports, 2001, 2, 423-430.	3.5	239
120	Congenital disorders of glycosylation: genetic model systems lead the way. Trends in Cell Biology, 2001, 11, 136-141.	10.9	164
121	Morphological variations in oidium formation in the basidiomycete Coprinus cinereus. Mycological Research, 2001, 105, 603-610.	2.6	12
122	An alternative cis-isoprenyltransferase activity in yeast that produces polyisoprenols with chain lengths similar to mammalian dolichols. Glycobiology, 2001, 11, 89-98.	1.5	43
123	The CWH8 Gene Encodes a Dolichyl Pyrophosphate Phosphatase with a Luminally Oriented Active Site in the Endoplasmic Reticulum of Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 41455-41464.	1.3	72
124	Multiple cotransformations in Coprinus cinereus. Fungal Genetics Reports, 2001, 48, 32-34.	0.0	4
125	Multi-allelic origin of congenital disorder of glycosylation (CDG)-Ic. Human Genetics, 2000, 106, 538-545.	1.8	62
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127	A mutation in the human ortholog of the Saccharomyces cerevisiae ALG6 gene causes carbohydrate-deficient glycoprotein syndrome type-Ic. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6982-6987.	5.2	107
128	Title is missing!. Glycoconjugate Journal, 1999, 16, 669-671.	1.8	101
129	Molecular basis of carbohydrate-deficient glycoprotein syndromes type I with normal phosphomannomutase activity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 167-178.	2.8	45
130	The dolichol pathway of N-linked glycosylation. Biochimica Et Biophysica Acta - General Subjects, 1999, 1426, 239-257.	1.6	589
131	Rapid isolation of genes from an indexed genomic library ofC. cinereus in a novelpab1+ cosmid. Journal of Microbiological Methods, 1999, 35, 129-141.	1.4	21
132	The Saccharomyces cerevisiae CWH8 gene is required for full levels of dolichol-linked oligosaccharides in the endoplasmic reticulum and for efficient N-glycosylation. Glycobiology, 1999, 9, 243-253.	1.5	34
133	A sweet introduction to glycobiology. Trends in Cell Biology, 1998, 8, 296.	10.9	0
134	Blue Light Overrides Repression of Asexual Sporulation by Mating Type Genes in the BasidiomyceteCoprinus cinereus. Fungal Genetics and Biology, 1998, 23, 95-109.	1.8	63
135	Degradation of Misfolded Endoplasmic Reticulum Glycoproteins in Saccharomyces cerevisiae Is Determined by a Specific Oligosaccharide Structure. Journal of Cell Biology, 1998, 142, 1223-1233.	3.6	330
136	The ALG10 locus of Saccharomyces cerevisiae encodes the alpha-1,2 glucosyltransferase of the endoplasmic reticulum: the terminal glucose of the lipid-linked oligosaccharide is required for efficient N-linked glycosylation. Glycobiology, 1998, 8, 455-462.	1.5	102
137	Genetic tailoring of N-linked oligosaccharides: The role of glucose residues in glycoprotein processing of Saccharomyces cerevisiae in vivo. Glycobiology, 1998, 8, 155-164.	1.5	83
138	Involvement of Protein N-Glycosyl Chain Glucosylation and Processing in the Biosynthesis of Cell Wall β-1,6-Glucan of Saccharomyces cerevisiae. Genetics, 1998, 149, 843-856.	3.3	57
139	A novel carbohydrate-deficient glycoprotein syndrome characterized by a deficiency in glucosylation of the dolichol-linked oligosaccharide.. Journal of Clinical Investigation, 1998, 102, 647-652.	6.6	91
140	Prion-inducing domain 2–114 of yeast Sup35 protein transforms in vitro into amyloid-like filaments. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6618-6622.	5.2	324
141	Synthesis and Enzymatic Phosphorylation of a Photoactivatable Dolichol Analogue. Journal of the American Chemical Society, 1997, 119, 10992-10999.	11.7	28
142	Asexual Sporulation inCoprinus cinereus:Structure and Development of Oidiophores and Oidia in anAmut BmutHomokaryon. Fungal Genetics and Biology, 1997, 22, 112-126.	1.8	40
143	A specific screen for oligosaccharyltransferase mutations identifies the 9kDa OST5 protein required for optimal activity invivo and invitro. EMBO Journal, 1997, 16, 1164-1172.	5.1	64
144	The STT3 protein is a component of the yeast oligosaccharyltransferase complex. Molecular Genetics and Genomics, 1997, 256, 628-637.	0.5	53

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146	Cloning and characterization of the ALG3 gene of Saccharomyces cerevisiae. Glycobiology, 1996, 6, 439-444.	1.5	129
147	Isolation of the ALG6 locus of Saccharomyces cerevisiae required for glucosylation in the N-linked glycosylation pathway. Glycobiology, 1996, 6, 493-498.	1.5	100
148	STT3, a highly conserved protein required for yeast oligosaccharyl transferase activity in vivo.. EMBO Journal, 1995, 14, 4949-4960.	5.1	169
149	PCR-mediated cloning and sequencing of the DmOST50 gene, a WBP1/AvOST50/OST48 homologue, from Drosophila melanogaster. Gene, 1995, 158, 209-212.	1.6	8
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151	Isolation of the ALG5 Locus Encoding the UDP-Glucose:Dolichyl-Phosphate Glucosyltransferase from Saccharomyces cerevisiae. FEBS Journal, 1994, 224, 71-79.	0.2	106
152	New phenotype of mutations deficient in glucosylation of the lipid-linked oligosaccharide: cloning of the ALG8 locus.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5977-5981.	5.2	105
153	Yeast Wbp1p and Swp1p form a protein complex essential for oligosaccharyl transferase activity.. EMBO Journal, 1993, 12, 279-284.	5.1	119
154	The yeast WBP1 is essential for oligosaccharyl transferase activity in vivo and in vitro.. EMBO Journal, 1992, 11, 2071-2075.	5.1	146
155	An essential 45 kDa yeast transmembrane protein reacts with anti-nuclear pore antibodies: purification of the protein, immunolocalization and cloning of the gene. Trends in Cell Biology, 1992, 2, 75.	10.9	0