Christopher M West

List of Publications by Year
in descending order

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71 papers	1,930 citations	257450 24 h-index	302126 39 g-index
77 all docs	77 docs citations	77 times ranked	1871 citing authors

#	Article	IF	Citations
1	Glycomics, Glycoproteomics, and Glycogenomics: An Inter-Taxa Evolutionary Perspective. Molecular and Cellular Proteomics, 2021, 20, 100024.	3.8	27
2	The nucleocytosolic O-fucosyltransferase SPINDLY affects protein expression and virulence in Toxoplasma gondii. Journal of Biological Chemistry, 2021, 296, 100039.	3.4	9
3	Biochemical and biophysical analyses of hypoxia sensing prolyl hydroxylases from Dictyostelium discoideum and Toxoplasma gondii. Journal of Biological Chemistry, 2020, 295, 16545-16561.	3.4	10
4	A terminal Î±3-galactose modification regulates an E3 ubiquitin ligase subunit in Toxoplasma gondii. Journal of Biological Chemistry, 2020, 295, 9223-9243.	3.4	6
5	Skp1 Dimerization Conceals Its F-Box Protein Binding Site. Biochemistry, 2020, 59, 1527-1536.	2.5	10
6	Toxoplasma F-box protein 1 is required for daughter cell scaffold function during parasite replication. PLoS Pathogens, 2019, 15, e1007946.	4.7	27
7	Skp1 isoforms are differentially modified by a dual function prolyl 4-hydroxylase/N-acety lglucosaminyltransferase in a plant pathogen. Glycobiology, 2019, 29, 705-714.	2.5	8
8	Trypanosoma cruzi13C-labeledO-Glycan standards for mass spectrometry. Glycobiology, 2019, 29, 280-284.	2.5	5
9	Nucleocytoplasmic O-glycosylation in protists. Current Opinion in Structural Biology, 2019, 56, 204-212.	5.7	13
10	A Toxoplasma Prolyl Hydroxylase Mediates Oxygen Stress Responses by Regulating Translation Elongation. MBio, 2019, 10, .	4.1	14
11	CRISPR/Cas9 and glycomics tools for Toxoplasma glycobiology. Journal of Biological Chemistry, 2019, 294, 1104-1125.	3.4	51
12	Glycosylation Promotes the Random Coil to Helix Transition in a Region of a Protist Skp1 Associated with F-Box Binding. Biochemistry, 2018, 57, 511-515.	2.5	12
13	Rapid screening of sugar-nucleotide donor specificities of putative glycosyltransferases. Glycobiology, 2017, 27, 206-212.	2.5	45
14	O2 sensingâ€“associated glycosylation exposes the F-boxâ€“combining site of the Dictyostelium Skp1 subunit in E3 ubiquitin ligases. Journal of Biological Chemistry, 2017, 292, 18897-18915.	3.4	25
15	Characterization of a cytoplasmic glucosyltransferase that extends the core trisaccharide of the Toxoplasma Skp1 E3 ubiquitin ligase subunit. Journal of Biological Chemistry, 2017, 292, 18644-18659.	3.4	19
16	Bordetella bronchiseptica exploits the complex life cycle of Dictyostelium discoideum as an amplifying transmission vector. PLoS Biology, 2017, 15, e2000420.	5.6	60
17	Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice. Gastroenterology, 2016, 151, 152-164.e11.	1.3	105
18	Identification of Apolipoprotein A-I as a Retinoic Acid-binding Protein in the Eye. Journal of Biological Chemistry, 2016, 291, 18991-19005.	3.4	27

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19	The E3 Ubiquitin Ligase Adaptor Protein Skp1 Is Glycosylated by an Evolutionarily Conserved Pathway That Regulates Protist Growth and Development. Journal of Biological Chemistry, 2016, 291, 4268-4280.	3.4	35
20	The 2015 Karl Meyer Lectureship Award and the Rosalind Kornfeld Award for Lifetime Achievement in Glycobiology, from the Society for Glycobiology. Glycobiology, 2015, 25, 1137-1138.	2.5	0
21	Chemical Synthesis of a Glycopeptide Derived from Skp1 for Probing Protein Specific Glycosylation. Chemistry - A European Journal, 2015, 21, 11779-11787.	3.3	9
22	Evolutionary diversity of social amoebae N-glycomes may support interspecific autonomy. Glycoconjugate Journal, 2015, 32, 345-359.	2.7	7
23	Hyaluronan synthase assembles chitin oligomers with -GlcNAc(Â1->)UDP at the reducing end. Glycobiology, 2015, 25, 632-643.	2.5	24
24	Oxygen sensing by protozoans: how they catch their breath. Current Opinion in Microbiology, 2015, 26, 41-47.	5.1	31
25	Glycosylation of Skp1 Promotes Formation of Skp1â€“Cullin-1â€“F-box Protein Complexes in Dictyostelium. Molecular and Cellular Proteomics, 2015, 14, 66-80.	3.8	26
26	Generating Isoform-Specific Antibodies: Lessons from Nucleocytoplasmic Glycoprotein Skp1. , 2015, , 927-934.		1
27	Novel Regulation of Skp1 by the Dictyostelium AgtA Î±-Galactosyltransferase Involves the Skp1-binding Activity of Its WD40 Repeat Domain. Journal of Biological Chemistry, 2014, 289, 9076-9088.	3.4	17
28	Golgi UDP-GlcNAc:Polypeptide O -Î±- N -Acetyl- d -Glucosaminyltransferase 2 (TcOGNT2) Regulates Trypomastigote Production and Function in Trypanosoma cruzi. Eukaryotic Cell, 2014, 13, 1312-1327.	3.4	12
29	Detection of distinct glycosylation patterns on human Î³-glutamyl transpeptidase 1 using antibody-lectin sandwich array (ALSA) technology. BMC Biotechnology, 2014, 14, 101.	3.3	6
30	Conformational Changes Associated with Post-Translational Modifications of Pro143in Skp1 ofDictyosteliumâ€”A Dipeptide Model System. Journal of the American Chemical Society, 2014, 136, 15170-15175.	13.7	6
31	Glycosylation of Skp1 Affects Its Conformation and Promotes Binding to a Model F-Box Protein. Biochemistry, 2014, 53, 1657-1669.	2.5	42
32	Generating Isoform-Specific Antibodies: Lessons from the Nucleocytoplasmic Glycoprotein Skp1. , 2014, , 1-8.		1
33	N-Glycomic and N-Glycoproteomic Studies in the Social Amoebae. Methods in Molecular Biology, 2013, 983, 205-229.	0.9	11
34	The Skp1 Protein from Toxoplasma Is Modified by a Cytoplasmic Prolyl 4-Hydroxylase Associated with Oxygen Sensing in the Social Amoeba Dictyostelium. Journal of Biological Chemistry, 2012, 287, 25098-25110.	3.4	44
35	Skp1 Prolyl 4-Hydroxylase of Dictyostelium Mediates Glycosylation-independent and -dependent Responses to O2 without Affecting Skp1 Stability. Journal of Biological Chemistry, 2012, 287, 2006-2016.	3.4	19
36	Role of the Skp1 prolyl-hydroxylation/glycosylation pathway in oxygen dependent submerged development of Dictyostelium. BMC Developmental Biology, 2012, 12, 31.	2.1	19

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37	Nonenzymatic and Enzymatic Functions of the Skp1 Î±Galactosyltransferase in Dictyostelium Oxygenâ€Sensing. FASEB Journal, 2012, 26, 607.7.	0.5	0
38	Requirements for Skp1 Processing by Cytosolic Prolyl 4(trans)-Hydroxylase and Î±-N-Acetylglucosaminyltransferase Enzymes Involved in O₂ Signaling in Dictyostelium. Biochemistry, 2011, 50, 1700-1713.	2.5	20
39	Comparative genomics of the social amoebae Dictyostelium discoideum and Dictyostelium purpureum. Genome Biology, 2011, 12, R20.	9.6	141
40	Prolyl hydroxylation- and glycosylation-dependent functions of Skp1 in O2-regulated development of Dictyostelium. Developmental Biology, 2011, 349, 283-295.	2.0	25
41	Analysis of Site-specific Glycosylation of Renal and Hepatic Î³-Glutamyl Transpeptidase from Normal Human Tissue. Journal of Biological Chemistry, 2010, 285, 29511-29524.	3.4	45
42	Inflammatory Cytokine Response to Bacillus anthracis Peptidoglycan Requires Phagocytosis and Lysosomal Trafficking. Infection and Immunity, 2010, 78, 2418-2428.	2.2	39
43	Glycopeptidome of a Heavily N-Glycosylated Cell Surface Glycoprotein of Dictyostelium Implicated in Cell Adhesion. Journal of Proteome Research, 2010, 9, 3495-3510.	3.7	18
44	A cytoplasmic prolyl hydroxylation and glycosylation pathway modifies Skp1 and regulates O2-dependent development in Dictyostelium. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 160-171.	2.4	38
45	O-GlcNAc protein modification in plants: Evolution and function. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 49-56.	2.4	131
46	UDP-GlcNAc:Glycoprotein N-acetylglucosamine-1-phosphotransferase mediates the initial step in the formation of the methylphosphomannosyl residues on the high mannose oligosaccharides of Dictyostelium discoideum glycoproteins. Biochemical and Biophysical Research Communications, 2010, 393, 678-681.	2.1	11
47	Dependence of Stress Resistance on a Spore Coat Heteropolysaccharide in Dictyostelium. Eukaryotic Cell, 2009, 8, 27-36.	3.4	10
48	Role of a Cytoplasmic Dual-function Glycosyltransferase in O2 Regulation of Development in Dictyostelium. Journal of Biological Chemistry, 2009, 284, 28896-28904.	3.4	22
49	Molecular analysis of a UDP-GlcNAc:polypeptide Î±-N-acetylglucosaminyltransferase implicated in the initiation of mucin-type O-glycosylation in Trypanosoma cruzi. Glycobiology, 2009, 19, 918-933.	2.5	23
50	Bacillus anthracis Peptidoglycan Stimulates an Inflammatory Response in Monocytes through the p38 Mitogen-Activated Protein Kinase Pathway. PLoS ONE, 2008, 3, e3706.	2.5	46
51	Prolyl 4-hydroxylase-1 mediates O2 signaling during development ofDictyostelium. Development (Cambridge), 2007, 134, 3349-3358.	2.5	55
52	Role of SP65 in Assembly of the Dictyostelium discoideum Spore Coat. Eukaryotic Cell, 2007, 6, 1137-1149.	3.4	2
53	Detection of Cytoplasmic Glycosylation Associated with Hydroxyproline. Methods in Enzymology, 2006, 417, 389-404.	1.0	16
54	Molecular Characterization of a Novel UDP-galactose:Fucoside Î±3-Galactosyltransferase That Modifies Skp1 in the Cytoplasm of Dictyostelium. Journal of Biological Chemistry, 2006, 281, 12713-12721.	3.4	17

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55	Skp1 prolyl 4â€hydroxylase mediates O ₂ â€dependence of morphogenesis in Dictyostelium. FASEB Journal, 2006, 20, LB75.	0.5	0
56	The Skp1 Prolyl Hydroxylase from Dictyostelium Is Related to the Hypoxia-inducible Factor-Î± Class of Animal Prolyl 4-Hydroxylases. Journal of Biological Chemistry, 2005, 280, 14645-14655.	3.4	43
57	Specificity of a Soluble UDP-Galactose:Fucoside Î±1,3-Galactosyltransferase That Modifies the Cytoplasmic Glycoprotein Skp1 in Dictyostelium. Journal of Biological Chemistry, 2004, 279, 29050-29059.	3.4	22
58	Cytoplasmic glycosylation of protein-hydroxyproline and its relationship to other glycosylation pathways. Biochimica Et Biophysica Acta - General Subjects, 2004, 1673, 29-44.	2.4	38
59	Initiation of Mucin-type O-Glycosylation in Dictyostelium Is Homologous to the Corresponding Step in Animals and Is Important for Spore Coat Function. Journal of Biological Chemistry, 2003, 278, 51395-51407.	3.4	23
60	Comparative analysis of spore coat Formation, structure, and function in Dictyostelium. International Review of Cytology, 2003, 222, 237-293.	6.2	46
61	A Bifunctional Diglycosyltransferase Forms the FucÎ±1,2GalÎ²1,3-Disaccharide on Skp1 in the Cytoplasm ofDictyostelium. Journal of Biological Chemistry, 2002, 277, 46527-46534.	3.4	39
62	Complex glycosylation of Skp1 in Dictyostelium: implications for the modification of other eukaryotic cytoplasmic and nuclear proteins. Glycobiology, 2002, 12, 17R-27R.	2.5	35
63	Molecular Cloning and Expression of a UDP-N-acetylglucosamine (GlcNAc):Hydroxyproline Polypeptide GlcNAc-transferase That Modifies Skp1 in the Cytoplasm ofDictyostelium. Journal of Biological Chemistry, 2002, 277, 46328-46337.	3.4	33
64	Identification of a UDP-GlcNAc:Skp1-Hydroxyproline GlcNAc-transferase in the Cytoplasm of Dictyostelium. Journal of Biological Chemistry, 1999, 274, 36392-36402.	3.4	28
65	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
66	The cytosolic glycoprotein FP21 of Dictyostelium discoideum is encoded by two genes resulting in a polymorphism at a single amino acid position. Gene, 1997, 200, 1-10.	2.2	21
67	Purification and Characterization of an Î±1,2-L-Fucosyltransferase, Which Modifies the Cytosolic Protein FP21, from the Cytosol of Dictyostelium. Journal of Biological Chemistry, 1996, 271, 12024-12035.	3.4	27
68	Characterization of FP21, a Cytosolic Glycoprotein from Dictyostelium. Journal of Biological Chemistry, 1995, 270, 3022-3030.	3.4	41
69	The Differentiation of a Cell Sorting Mutant of Dictyostelium discoideum. (cell sorting mutant/cell) Tj ETQq1 1 0.784314 rgBT /Overlo Differentiation, 1994, 36, 597-604.	1.5	2
70	Cell differentiation in Dictyostelium discoideum controls assembly of protein-linked glycans. Glycobiology, 1993, 3, 165-177.	2.5	13
71	Transformation of avian myogenic cultures with myelocytomatosis virus strain 29. Wilhelm Roux's Archives of Developmental Biology, 1984, 193, 52-56.	1.4	1