

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	Comparative genomics of the social amoebae <i>Dictyostelium discoideum</i> and <i>Dictyostelium purpureum</i> . <i>Genome Biology</i> , 2011, 12, R20.	9.6	141
2	O-GlcNAc protein modification in plants: Evolution and function. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 49-56.	2.4	131
3	Defective Intestinal Mucin-Type O-Glycosylation Causes Spontaneous Colitis-Associated Cancer in Mice. <i>Gastroenterology</i> , 2016, 151, 152-164.e11.	1.3	105
4	The Cytoplasmic F-box Binding Protein SKP1 Contains a Novel Pentasaccharide Linked to Hydroxyproline in <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 18242-18249.	3.4	72
5	<i>Bordetella bronchiseptica</i> exploits the complex life cycle of <i>Dictyostelium discoideum</i> as an amplifying transmission vector. <i>PLoS Biology</i> , 2017, 15, e2000420.	5.6	60
6	Prolyl 4-hydroxylase-1 mediates O ₂ signaling during development of <i>Dictyostelium</i> . <i>Development (Cambridge)</i> , 2007, 134, 3349-3358.	2.5	55
7	CRISPR/Cas9 and glycomics tools for <i>Toxoplasma</i> glycobiology. <i>Journal of Biological Chemistry</i> , 2019, 294, 1104-1125.	3.4	51
8	Comparative analysis of spore coat Formation, structure, and function in <i>Dictyostelium</i> . <i>International Review of Cytology</i> , 2003, 222, 237-293.	6.2	46
9	<i>Bacillus anthracis</i> Peptidoglycan Stimulates an Inflammatory Response in Monocytes through the p38 Mitogen-Activated Protein Kinase Pathway. <i>PLoS ONE</i> , 2008, 3, e3706.	2.5	46
10	Analysis of Site-specific Glycosylation of Renal and Hepatic β -Glutamyl Transpeptidase from Normal Human Tissue. <i>Journal of Biological Chemistry</i> , 2010, 285, 29511-29524.	3.4	45
11	Rapid screening of sugar-nucleotide donor specificities of putative glycosyltransferases. <i>Glycobiology</i> , 2017, 27, 206-212.	2.5	45
12	The Skp1 Protein from <i>Toxoplasma</i> Is Modified by a Cytoplasmic Prolyl 4-Hydroxylase Associated with Oxygen Sensing in the Social Amoeba <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 25098-25110.	3.4	44
13	The Skp1 Prolyl Hydroxylase from <i>Dictyostelium</i> Is Related to the Hypoxia-inducible Factor- β Class of Animal Prolyl 4-Hydroxylases. <i>Journal of Biological Chemistry</i> , 2005, 280, 14645-14655.	3.4	43
14	Glycosylation of Skp1 Affects Its Conformation and Promotes Binding to a Model F-Box Protein. <i>Biochemistry</i> , 2014, 53, 1657-1669.	2.5	42
15	Characterization of FP21, a Cytosolic Glycoprotein from <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 3022-3030.	3.4	41
16	A Bifunctional Diglycosyltransferase Forms the Fuc α 1,2Gal β 2,3-Disaccharide on Skp1 in the Cytoplasm of <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 46527-46534.	3.4	39
17	Inflammatory Cytokine Response to <i>Bacillus anthracis</i> Peptidoglycan Requires Phagocytosis and Lysosomal Trafficking. <i>Infection and Immunity</i> , 2010, 78, 2418-2428.	2.2	39
18	Cytoplasmic glycosylation of protein-hydroxyproline and its relationship to other glycosylation pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1673, 29-44.	2.4	38

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19	A cytoplasmic prolyl hydroxylation and glycosylation pathway modifies Skp1 and regulates O ₂ -dependent development in Dictyostelium. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 160-171.	2.4	38
20	Complex glycosylation of Skp1 in Dictyostelium: implications for the modification of other eukaryotic cytoplasmic and nuclear proteins. <i>Glycobiology</i> , 2002, 12, 17R-27R.	2.5	35
21	The E3 Ubiquitin Ligase Adaptor Protein Skp1 Is Glycosylated by an Evolutionarily Conserved Pathway That Regulates Protist Growth and Development. <i>Journal of Biological Chemistry</i> , 2016, 291, 4268-4280.	3.4	35
22	Molecular Cloning and Expression of a UDP-N-acetylglucosamine (GlcNAc):Hydroxyproline Polypeptide GlcNAc-transferase That Modifies Skp1 in the Cytoplasm of Dictyostelium. <i>Journal of Biological Chemistry</i> , 2002, 277, 46328-46337.	3.4	33
23	Oxygen sensing by protozoans: how they catch their breath. <i>Current Opinion in Microbiology</i> , 2015, 26, 41-47.	5.1	31
24	Identification of a UDP-GlcNAc:Skp1-Hydroxyproline GlcNAc-transferase in the Cytoplasm of Dictyostelium. <i>Journal of Biological Chemistry</i> , 1999, 274, 36392-36402.	3.4	28
25	Purification and Characterization of an α 1,2-L-Fucosyltransferase, Which Modifies the Cytosolic Protein FP21, from the Cytosol of Dictyostelium. <i>Journal of Biological Chemistry</i> , 1996, 271, 12024-12035.	3.4	27
26	Identification of Apolipoprotein A-I as a Retinoic Acid-binding Protein in the Eye. <i>Journal of Biological Chemistry</i> , 2016, 291, 18991-19005.	3.4	27
27	Toxoplasma F-box protein 1 is required for daughter cell scaffold function during parasite replication. <i>PLoS Pathogens</i> , 2019, 15, e1007946.	4.7	27
28	Glycomics, Glycoproteomics, and Glycogenomics: An Inter-Taxa Evolutionary Perspective. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100024.	3.8	27
29	Glycosylation of Skp1 Promotes Formation of Skp1-Cullin-1-F-box Protein Complexes in Dictyostelium. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 66-80.	3.8	26
30	Prolyl hydroxylation- and glycosylation-dependent functions of Skp1 in O ₂ -regulated development of Dictyostelium. <i>Developmental Biology</i> , 2011, 349, 283-295.	2.0	25
31	O ₂ sensing-associated glycosylation exposes the F-box-combining site of the Dictyostelium Skp1 subunit in E3 ubiquitin ligases. <i>Journal of Biological Chemistry</i> , 2017, 292, 18897-18915.	3.4	25
32	Hyaluronan synthase assembles chitin oligomers with -GlcNAc(1-3)UDP at the reducing end. <i>Glycobiology</i> , 2015, 25, 632-643.	2.5	24
33	Initiation of Mucin-type O-Glycosylation in Dictyostelium Is Homologous to the Corresponding Step in Animals and Is Important for Spore Coat Function. <i>Journal of Biological Chemistry</i> , 2003, 278, 51395-51407.	3.4	23
34	Molecular analysis of a UDP-GlcNAc:polypeptide α -N-acetylglucosaminyltransferase implicated in the initiation of mucin-type O-glycosylation in <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , 2009, 19, 918-933.	2.5	23
35	Specificity of a Soluble UDP-Galactose:Fucoside α 1,3-Galactosyltransferase That Modifies the Cytoplasmic Glycoprotein Skp1 in Dictyostelium. <i>Journal of Biological Chemistry</i> , 2004, 279, 29050-29059.	3.4	22
36	Role of a Cytoplasmic Dual-function Glycosyltransferase in O ₂ Regulation of Development in Dictyostelium. <i>Journal of Biological Chemistry</i> , 2009, 284, 28896-28904.	3.4	22

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37	The cytosolic glycoprotein FP21 of <i>Dictyostelium discoideum</i> is encoded by two genes resulting in a polymorphism at a single amino acid position. <i>Gene</i> , 1997, 200, 1-10.	2.2	21
38	Requirements for Skp1 Processing by Cytosolic Prolyl 4(<i>trans</i>)-Hydroxylase and $\hat{1}\pm$ -N-Acetylglucosaminyltransferase Enzymes Involved in O ₂ Signaling in <i>Dictyostelium</i> . <i>Biochemistry</i> , 2011, 50, 1700-1713.	2.5	20
39	Skp1 Prolyl 4-Hydroxylase of <i>Dictyostelium</i> Mediates Glycosylation-independent and -dependent Responses to O ₂ without Affecting Skp1 Stability. <i>Journal of Biological Chemistry</i> , 2012, 287, 2006-2016.	3.4	19
40	Role of the Skp1 prolyl-hydroxylation/glycosylation pathway in oxygen dependent submerged development of <i>Dictyostelium</i> . <i>BMC Developmental Biology</i> , 2012, 12, 31.	2.1	19
41	Characterization of a cytoplasmic glucosyltransferase that extends the core trisaccharide of the <i>Toxoplasma</i> Skp1 E3 ubiquitin ligase subunit. <i>Journal of Biological Chemistry</i> , 2017, 292, 18644-18659.	3.4	19
42	Glycopeptidome of a Heavily N-Glycosylated Cell Surface Glycoprotein of <i>Dictyostelium</i> Implicated in Cell Adhesion. <i>Journal of Proteome Research</i> , 2010, 9, 3495-3510.	3.7	18
43	Molecular Characterization of a Novel UDP-galactose:Fucoside $\hat{1}\pm$ 3-Galactosyltransferase That Modifies Skp1 in the Cytoplasm of <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 12713-12721.	3.4	17
44	Novel Regulation of Skp1 by the <i>Dictyostelium</i> AgtA $\hat{1}\pm$ -Galactosyltransferase Involves the Skp1-binding Activity of Its WD40 Repeat Domain. <i>Journal of Biological Chemistry</i> , 2014, 289, 9076-9088.	3.4	17
45	Detection of Cytoplasmic Glycosylation Associated with Hydroxyproline. <i>Methods in Enzymology</i> , 2006, 417, 389-404.	1.0	16
46	A <i>Toxoplasma</i> Prolyl Hydroxylase Mediates Oxygen Stress Responses by Regulating Translation Elongation. <i>MBio</i> , 2019, 10, .	4.1	14
47	Cell differentiation in <i>Dictyostelium discoideum</i> controls assembly of protein-linked glycans. <i>Glycobiology</i> , 1993, 3, 165-177.	2.5	13
48	Nucleocytoplasmic O-glycosylation in protists. <i>Current Opinion in Structural Biology</i> , 2019, 56, 204-212.	5.7	13
49	Golgi UDP-GlcNAc:Polypeptide O- $\hat{1}\pm$ -N-Acetyl-d-Glucosaminyltransferase 2 (TcOGNT2) Regulates Trypomastigote Production and Function in <i>Trypanosoma cruzi</i> . <i>Eukaryotic Cell</i> , 2014, 13, 1312-1327.	3.4	12
50	Glycosylation Promotes the Random Coil to Helix Transition in a Region of a Protist Skp1 Associated with F-Box Binding. <i>Biochemistry</i> , 2018, 57, 511-515.	2.5	12
51	UDP-GlcNAc:Glycoprotein N-acetylglucosamine-1-phosphotransferase mediates the initial step in the formation of the methylphosphomannosyl residues on the high mannose oligosaccharides of <i>Dictyostelium discoideum</i> glycoproteins. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 678-681.	2.1	11
52	N-Glycomic and N-Glycoproteomic Studies in the Social Amoebae. <i>Methods in Molecular Biology</i> , 2013, 983, 205-229.	0.9	11
53	Dependence of Stress Resistance on a Spore Coat Heteropolysaccharide in <i>Dictyostelium</i> . <i>Eukaryotic Cell</i> , 2009, 8, 27-36.	3.4	10
54	Biochemical and biophysical analyses of hypoxia sensing prolyl hydroxylases from <i>Dictyostelium discoideum</i> and <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 16545-16561.	3.4	10

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55	Skp1 Dimerization Conceals Its F-Box Protein Binding Site. <i>Biochemistry</i> , 2020, 59, 1527-1536.	2.5	10
56	Chemical Synthesis of a Glycopeptide Derived from Skp1 for Probing Protein Specific Glycosylation. <i>Chemistry - A European Journal</i> , 2015, 21, 11779-11787.	3.3	9
57	The nucleocytoplasmic O-fucosyltransferase SPINDLY affects protein expression and virulence in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2021, 296, 100039.	3.4	9
58	Skp1 isoforms are differentially modified by a dual function prolyl 4-hydroxylase/N-acetylglucosaminyltransferase in a plant pathogen. <i>Glycobiology</i> , 2019, 29, 705-714.	2.5	8
59	Evolutionary diversity of social amoebae N-glycomes may support interspecific autonomy. <i>Glycoconjugate Journal</i> , 2015, 32, 345-359.	2.7	7
60	Detection of distinct glycosylation patterns on human β -glutamyl transpeptidase 1 using antibody-lectin sandwich array (ALSA) technology. <i>BMC Biotechnology</i> , 2014, 14, 101.	3.3	6
61	Conformational Changes Associated with Post-Translational Modifications of Pro143in Skp1 of <i>Dictyostelium</i> A Dipeptide Model System. <i>Journal of the American Chemical Society</i> , 2014, 136, 15170-15175.	13.7	6
62	A terminal β -galactose modification regulates an E3 ubiquitin ligase subunit in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 9223-9243.	3.4	6
63	<i>Trypanosoma cruzi</i> ^{13}C -labeled O-Glycan standards for mass spectrometry. <i>Glycobiology</i> , 2019, 29, 280-284.	2.5	5
64	The Differentiation of a Cell Sorting Mutant of <i>Dictyostelium discoideum</i> . (cell sorting mutant/cell) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Differentiation</i> , 1994, 36, 597-604.	1.5	2
65	Role of SP65 in Assembly of the <i>Dictyostelium discoideum</i> Spore Coat. <i>Eukaryotic Cell</i> , 2007, 6, 1137-1149.	3.4	2
66	Transformation of avian myogenic cultures with myelocytomatosis virus strain 29. Wilhelm Roux's <i>Archives of Developmental Biology</i> , 1984, 193, 52-56.	1.4	1
67	Generating Isoform-Specific Antibodies: Lessons from Nucleocytoplasmic Glycoprotein Skp1. , 2015, , 927-934.		1
68	Generating Isoform-Specific Antibodies: Lessons from the Nucleocytoplasmic Glycoprotein Skp1. , 2014, , 1-8.		1
69	The 2015 Karl Meyer Lectureship Award and the Rosalind Kornfeld Award for Lifetime Achievement in Glycobiology, from the Society for Glycobiology. <i>Glycobiology</i> , 2015, 25, 1137-1138.	2.5	0
70	Skp1 prolyl 4-hydroxylase mediates O ₂ dependence of morphogenesis in <i>Dictyostelium</i> . <i>FASEB Journal</i> , 2006, 20, LB75.	0.5	0
71	Nonenzymatic and Enzymatic Functions of the Skp1 β -Galactosyltransferase in <i>Dictyostelium</i> Oxygen Sensing. <i>FASEB Journal</i> , 2012, 26, 607.7.	0.5	0