Chad Slawson

List of Publications by Year
in descending order

62 papers	4,879 citations	257450 24 h-index	233421 45 g-index
65 all docs	65 docs citations	65 times ranked	5032 citing authors

#	Article	IF	Citations
1	Cycling of O-linked Î²-N-acetylglucosamine on nucleocytoplasmic proteins. Nature, 2007, 446, 1017-1022.	27.8	1,246
2	Cross Talk Between O-GlcNAcylation and Phosphorylation: Roles in Signaling, Transcription, and Chronic Disease. Annual Review of Biochemistry, 2011, 80, 825-858.	11.1	1,081
3	O-GlcNAc signalling: implications for cancer cell biology. Nature Reviews Cancer, 2011, 11, 678-684.	28.4	385
4	Extensive Crosstalk Between O-GlcNAcylation and Phosphorylation Regulates Cytokinesis. Science Signaling, 2010, 3, ra2.	3.6	262
5	Perturbations in O-linked Î²-N-Acetylglucosamine Protein Modification Cause Severe Defects in Mitotic Progression and Cytokinesis. Journal of Biological Chemistry, 2005, 280, 32944-32956.	3.4	247
6	O-GlcNAc cycling: How a single sugar post-translational modification is changing the Way We think about signaling networks. Journal of Cellular Biochemistry, 2006, 97, 71-83.	2.6	152
7	A Mitotic GlcNAcylation/Phosphorylation Signaling Complex Alters the Posttranslational State of the Cytoskeletal Protein Vimentin. Molecular Biology of the Cell, 2008, 19, 4130-4140.	2.1	147
8	NleB, a Bacterial Effector with Glycosyltransferase Activity, Targets GAPDH Function to Inhibit NF-Î¹B Activation. Cell Host and Microbe, 2013, 13, 87-99.	11.0	126
9	Dynamic interplay between O-GlcNAc and O-phosphate: the sweet side of protein regulation. Current Opinion in Structural Biology, 2003, 13, 631-636.	5.7	124
10	O-GlcNAcase Expression is Sensitive to Changes in O-GlcNAc Homeostasis. Frontiers in Endocrinology, 2014, 5, 206.	3.5	103
11	Removal of Abnormal Myofilament O-GlcNAcylation Restores Ca2+ Sensitivity in Diabetic Cardiac Muscle. Diabetes, 2015, 64, 3573-3587.	0.6	82
12	Altering O-Linked Î²-N-Acetylglucosamine Cycling Disrupts Mitochondrial Function. Journal of Biological Chemistry, 2014, 289, 14719-14730.	3.4	81
13	Sustained O-GlcNAcylation reprograms mitochondrial function to regulate energy metabolism. Journal of Biological Chemistry, 2017, 292, 14940-14962.	3.4	79
14	Changes in O-Linked N-Acetylglucosamine (O-GlcNAc) Homeostasis Activate the p53 Pathway in Ovarian Cancer Cells. Journal of Biological Chemistry, 2016, 291, 18897-18914.	3.4	70
15	O-Linked N-Acetylglucosamine Modification on CCAAT Enhancer-binding Protein Î². Journal of Biological Chemistry, 2009, 284, 19248-19254.	3.4	66
16	O-GlcNAcylation and O-GlcNAc Cycling Regulate Gene Transcription: Emerging Roles in Cancer. Cancers, 2021, 13, 1666.	3.7	62
17	Real Talk: The Inter-play Between the mTOR, AMPK, and Hexosamine Biosynthetic Pathways in Cell Signaling. Frontiers in Endocrinology, 2018, 9, 522.	3.5	56
18	O-GlcNAc modification of Sox2 regulates self-renewal in pancreatic cancer by promoting its stability. Theranostics, 2019, 9, 3410-3424.	10.0	45

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19	The E2F-1 associated retinoblastoma-susceptibility gene product is modified by O-GlcNAc. Amino Acids, 2011, 40, 877-883.	2.7	41
20	Elevated O-GlcNAcylation enhances pro-inflammatory Th17 function by altering the intracellular lipid microenvironment. Journal of Biological Chemistry, 2019, 294, 8973-8990.	3.4	41
21	The sweet side of the cell cycle. Biochemical Society Transactions, 2017, 45, 313-322.	3.4	36
22	Characterization of the O-GlcNAc protein modification in Xenopus laevis oocyte during oogenesis and progesterone-stimulated maturation. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 121-129.	2.4	34
23	O-GlcNAc homeostasis contributes to cell fate decisions during hematopoiesis. Journal of Biological Chemistry, 2019, 294, 1363-1379.	3.4	33
24	O-Linked N-Acetylglucosamine Cycling Regulates Mitotic Spindle Organization. Journal of Biological Chemistry, 2013, 288, 27085-27099.	3.4	30
25	Modulation of O-GlcNAc Levels in the Liver Impacts Acetaminophen-Induced Liver Injury by Affecting Protein Adduct Formation and Glutathione Synthesis. Toxicological Sciences, 2018, 162, 599-610.	3.1	26
26	Effect of one month duration ketogenic and non-ketogenic high fat diets on mouse brain bioenergetic infrastructure. Journal of Bioenergetics and Biomembranes, 2015, 47, 1-11.	2.3	23
27	Reduced O-GlcNAcase expression promotes mitotic errors and spindle defects. Cell Cycle, 2016, 15, 1363-1375.	2.6	22
28	O-GlcNAc-Dependent Regulation of Progesterone Receptor Function in Breast Cancer. Hormones and Cancer, 2018, 9, 12-21.	4.9	22
29	O-Linked N-Acetylglucosamine (O-GlcNAc) Transferase and O-GlcNAcase Interact with Mi2Î² Protein at the Aγ-Globin Promoter. Journal of Biological Chemistry, 2016, 291, 15628-15640.	3.4	21
30	O-GlcNAc: a novel regulator of immunometabolism. Journal of Bioenergetics and Biomembranes, 2018, 50, 223-229.	2.3	18
31	Regulation of Liver Regeneration by Hepatocyte O-GlcNAcylation in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1510-1529.	4.5	18
32	Disruption of Oâ€GlcNAc homeostasis during mammalian oocyte meiotic maturation impacts fertilization. Molecular Reproduction and Development, 2019, 86, 543-557.	2.0	17
33	The Role of O-GlcNAcylation in Immune Cell Activation. Frontiers in Endocrinology, 2021, 12, 596617.	3.5	17
34	A bioenergetics systems evaluation of ketogenic diet liver effects. Applied Physiology, Nutrition and Metabolism, 2017, 42, 955-962.	1.9	16
35	Ttc21b deficiency attenuates autosomal dominant polycystic kidney disease in a kidney tubular- and maturation-dependent manner. Kidney International, 2022, 102, 577-591.	5.2	9
36	Sweet action: The dynamics of Oâ€GlcNAcylation during meiosis in mouse oocytes. Molecular Reproduction and Development, 2015, 82, 915-915.	2.0	8

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37	Biocatalytic Lactone Generation in Genetically Engineered Escherichia coli and Identification of Products by Gas Chromatography-Mass Spectroscopy. Journal of Chemical Education, 2001, 78, 1533.	2.3	6
38	Mapping the O-GlcNAc Modified Proteome: Applications for Health and Disease. Frontiers in Molecular Biosciences, 2022, 9, .	3.5	6
39	Chromosomal localization of Ewing sarcoma EWSR1/FLI1 protein promotes the induction of aneuploidy. Journal of Biological Chemistry, 2021, 296, 100164.	3.4	5
40	O-Glcnacylation Is Essential for Erythropoiesis. Blood, 2019, 134, 2218-2218.	1.4	5
41	O-GlcNAc cycling mediates energy balance by regulating caloric memory. Appetite, 2021, 165, 105320.	3.7	4
42	A proteolytic method for evaluating O-GlcNAcylation on proteins of similar molecular weight to antibody heavy chain after immunoprecipitation. Analytical Biochemistry, 2020, 611, 114001.	2.4	1
43	OGA Inhibition Alters Energetics and Nutrient Sensing in Alzheimerâ€™s Disease Cytoplasmic Hybrids. Journal of Alzheimer's Disease, 2020, 78, 1743-1753.	2.6	1
44	Oâ€GlcNAc Transferase is a Critical Regulator of Cytokinesis. FASEB Journal, 2006, 20, A37.	0.5	1
45	Regulation of GATA-1-Controlled Genes By O-Glcnacylation in Erythroid Cells. Blood, 2020, 136, 46-47.	1.4	1
46	New ways of thinking about old things: the role of O-GlcNAc in cellular metabolism. Journal of Bioenergetics and Biomembranes, 2018, 50, 153-154.	2.3	0
47	Oâ€GlcNAc controls mitochondrial quality control mechanisms and mitochondrial stress response proteins. FASEB Journal, 2021, 35, .	0.5	0
48	Sustained Oâ€GlcNAcylation causes ERK Signal and APP Amplification. FASEB Journal, 2021, 35, .	0.5	0
49	Changes in Oâ€GlcNAcylation Alter Mitochondrial Function. FASEB Journal, 2021, 35, .	0.5	0
50	Editorial: Nutrient Sensing: The Constant in All Other Things. Frontiers in Endocrinology, 2021, 12, 705640.	3.5	0
51	Vimentin is a Target of an Oâ€GlcNAc/Oâ€Phosphate Signaling Complex at Mâ€Phase. FASEB Journal, 2007, 21, A615.	0.5	0
52	The regulation of Aurora Kinase B by Oâ€GlcNAcylation. FASEB Journal, 2012, 26, 934.5.	0.5	0
53	Identification of OGT interacting proteins at M phase. FASEB Journal, 2012, 26, 934.7.	0.5	0
54	Quantitative proteomic analysis of proteins and postâ€translational modifications during the metaphase to anaphase transition after altered Oâ€GlcNAcylation. FASEB Journal, 2012, 26, 978.5.	0.5	0

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55	Quantitative Proteomics to Profile Postâ€translational Modifications During M Phase: Interplay Between Oâ€GlcNAcylation and Phosphorylation. FASEB Journal, 2013, 27, 555.4.	0.5	0
56	Oâ€GlcNAc: The sweet side of protein regulation. FASEB Journal, 2013, 27, lb181.	0.5	0
57	O-Glcnacylation Regulates Î³-Globin Transcription. Blood, 2013, 122, 1020-1020.	1.4	0
58	The Mechanism for Tau Tangles (LB102). FASEB Journal, 2014, 28, LB102.	0.5	0
59	Elevated Oâ€GlcNAc Exacerbates Proâ€Inflammatory Cytokine Secretion from CD4 + T cells. FASEB Journal, 2018, 32, 673.9.	0.5	0
60	Oâ€GlcNAcylation: The Switch between Termination of Regeneration and Initiation of Hepatic Dysplasia. FASEB Journal, 2019, 33, 369.10.	0.5	0
61	Fine Tuning of Hemoglobin Switching and Erythropoiesis. FASEB Journal, 2019, 33, 620.9.	0.5	0
62	A sugary addition to the urea cycle. Journal of Molecular Cell Biology, 2022, , .	3.3	0