Gerald M Hart

List of Publications by Year in Descending Order

347 papers	26,398 citations	94 h-index	160 g-index
370 ext. papers	28,979 ext. citations	8.2 avg, IF	7.34 L-index

#	Paper	IF	Citations
347	The Beginner's Guide to -GlcNAc: From Nutrient Sensitive Pathway Regulation to Its Impact on the Immune System.. *Frontiers in Immunology*, **2022**, 13, 828648	8.4	0
346	Nutrient regulation of the flow of genetic information by O-GlcNAcylation. *Biochemical Society Transactions*, **2021**, 49, 867-880	5.1	2
345	Excessive -GlcNAcylation Causes Heart Failure and Sudden Death. *Circulation*, **2021**, 143, 1687-1703	16.7	12
344	Detection and Analysis of Proteins Modified by O-Linked N-Acetylglucosamine. *Current Protocols*, **2021**, 1, e129		3
343	Targeting O-GlcNAcylation to develop novel therapeutics. *Molecular Aspects of Medicine*, **2021**, 79, 100885	15.7	15
342	Oxidized CaMKII and O-GlcNAcylation cause increased atrial fibrillation in diabetic mice by distinct mechanisms. *Journal of Clinical Investigation*, **2021**, 131,	15.9	14
341	Carbohydrates | O-Linked GlcNAc Biosynthesis, Function, and Medicinal Implications **2021**, 639-645		
340	O-GlcNAcylation and Diabetes **2021**, 133-148		
339	Analytical and Biochemical Perspectives of Protein O-GlcNAcylation. *Chemical Reviews*, **2021**, 121, 1513-1581	60.1	21
338	Increased O-GlcNAcylation prevents degeneration of dopamine neurons. *Brain*, **2020**, 143, 3515-3518	11.2	0
337	CBS homogenization mutation strategy narrows the glycan binding profile of a GlcNAc-specific lectin AANL. *Glycobiology*, **2020**, 30, 159-173	5.8	3
336	TATA-Box Binding Protein O-GlcNAcylation at T114 Regulates Formation of the B-TFIID Complex and Is Critical for Metabolic Gene Regulation. *Molecular Cell*, **2020**, 77, 1143-1152.e7	17.6	16
335	Nutrient regulation of signaling and transcription. *Journal of Biological Chemistry*, **2019**, 294, 2211-2231	5.4	153
334	-GlcNAcylation and phosphorylation of actin Ser in diabetic nephropathy. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F1359-F1374	4.3	6
333	O-GlcNAc Site Mapping by Using a Combination of Chemoenzymatic Labeling, Copper-Free Click Chemistry, Reductive Cleavage, and Electron-Transfer Dissociation Mass Spectrometry. *Analytical Chemistry*, **2019**, 91, 2620-2625	7.8	17
332	Updates to the Symbol Nomenclature for Glycans guidelines. *Glycobiology*, **2019**, 29, 620-624	5.8	148
331	AANL (Agrocybe aegerita lectin 2) is a new facile tool to probe for O-GlcNAcylation. *Glycobiology*, **2018**, 28, 363-373	5.8	14

330	Nutrient Regulation of Signaling and Transcription. *FASEB Journal*, **2018**, 32, 98.1	0.9	1
329	O-GlcNAc transferase regulates excitatory synapse maturity. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1684-1689	11.5	40
328	Analysis of Protein O-GlcNAcylation by Mass Spectrometry. *Current Protocols in Protein Science*, **2017**, 87, 24.10.1-24.10.16	3.1	18
327	PB-05Localization of the O-GlcNAcylated Actin and O-phosphorylated Actin in the Diabetic Kidney: Immunohistochemical Study. *Microscopy (Oxford, England)*, **2017**, 66, i35-i35	1.3	
326	GlyTouCan 1.0--The international glycan structure repository. *Nucleic Acids Research*, **2016**, 44, D1237-42	20.1	72
325	Roles of O-GlcNAc in chronic diseases of aging. *Molecular Aspects of Medicine*, **2016**, 51, 1-15	16.7	86
324	Nutrient regulation of gene expression by O-GlcNAcylation of chromatin. *Current Opinion in Chemical Biology*, **2016**, 33, 88-94	9.7	41
323	New insights: A role for O-GlcNAcylation in diabetic complications. *Critical Reviews in Biochemistry and Molecular Biology*, **2016**, 51, 150-61	8.7	65
322	Nutrient Regulation of Cancer Cells by O-GlcNAcylation **2016**, 95-108		
321	The nutrient sensor OGT in PVN neurons regulates feeding. *Science*, **2016**, 351, 1293-6	33.3	87
320	Mass Spectrometry-Based Quantitative O-GlcNAcomic Analysis. *Methods in Molecular Biology*, **2016**, 1410, 91-103	1.4	3
319	Training the next generation of biomedical investigators in glycosciences. *Journal of Clinical Investigation*, **2016**, 126, 405-8	15.9	29
318	Comparative Proteomics Reveals Dysregulated Mitochondrial O-GlcNAcylation in Diabetic Hearts. *Journal of Proteome Research*, **2016**, 15, 2254-64	5.6	52
317	Removal of Abnormal Myofilament O-GlcNAcylation Restores Ca2+ Sensitivity in Diabetic Cardiac Muscle. *Diabetes*, **2015**, 64, 3573-87	0.9	68
316	Diabetes-associated dysregulation of O-GlcNAcylation in rat cardiac mitochondria. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6050-5	11.5	126
315	Symbol Nomenclature for Graphical Representations of Glycans. *Glycobiology*, **2015**, 25, 1323-4	5.8	585
314	Nutrient regulation of transcription and signalling by O-GlcNAcylation. *Perspectives in Science*, **2015**, 6, 49-57	0.8	5
313	A Quarter Century of Glycobiology. *Glycobiology*, **2015**, 25, 1321-2	5.8	

312	O-GlcNAcomic Profiling Identifies Widespread O-Linked β-N-Acetylglucosamine Modification (O-GlcNAcylation) in Oxidative Phosphorylation System Regulating Cardiac Mitochondrial Function. *Journal of Biological Chemistry*, **2015**, 290, 29141-53	5.4	58
311	O-GlcNAcylation: Nutrient Sensor that Regulates Cell Physiology **2015**, 1193-1199		2
310	Diabetes and O-GlcNAcylation **2015**, 1207-1212		2
309	O-GlcNAcylation: Nutrient Sensor in Chronic Diseases of Aging **2015**, 1201-1205		
308	O-GlcNAcylation Modifies the Metastatic Properties of Prostate Cancer Cells. *FASEB Journal*, **2015**, 29, 717.2	0.9	
307	Cross-talk between two essential nutrient-sensitive enzymes: O-GlcNAc transferase (OGT) and AMP-activated protein kinase (AMPK). *Journal of Biological Chemistry*, **2014**, 289, 10592-10606	5.4	124
306	Nutrient regulation of signaling, transcription, and cell physiology by O-GlcNAcylation. *Cell Metabolism*, **2014**, 20, 208-13	24.6	245
305	The role of O-GlcNAc signaling in the pathogenesis of diabetic retinopathy. *Proteomics - Clinical Applications*, **2014**, 8, 218-31	3.1	42
304	The dynamic metabolism of hyaluronan regulates the cytosolic concentration of UDP-GlcNAc. *Matrix Biology*, **2014**, 35, 14-7	11.4	72
303	Three Decades of Research on O-GlcNAcylation - A Major Nutrient Sensor That Regulates Signaling, Transcription and Cellular Metabolism. *Frontiers in Endocrinology*, **2014**, 5, 183	5.7	78
302	Minireview series on the thirtieth anniversary of research on O-GlcNAcylation of nuclear and cytoplasmic proteins: Nutrient regulation of cellular metabolism and physiology by O-GlcNAcylation. *Journal of Biological Chemistry*, **2014**, 289, 34422-3	5.4	37
301	O-GlcNAc profiling: from proteins to proteomes. *Clinical Proteomics*, **2014**, 11, 8	5	185
300	O-GlcNAcylation of Neuronal Proteins: Roles in Neuronal Functions and in Neurodegeneration. *Advances in Neurobiology*, **2014**, 9, 343-66	2.1	16
299	O-Linked N-Acetylglucosamine (GlcNAc) Transferase (UDP-N-Acetylglucosamine: Polypeptide-N-Acetylglucosaminyl Transferase) (OGT) **2014**, 393-408		2
298	O-GlcNAcylation modifies the metastatic properties of prostate cancer cells (789.5). *FASEB Journal*, **2014**, 28, 789.5	0.9	
297	O-GlcNAcomic profiling reveals altered O-GlcNAcylation of mitochondrial proteins in diabetes (608.4). *FASEB Journal*, **2014**, 28, 608.4	0.9	
296	Diabetes and O-GlcNAcylation **2014**, 1-6		
295	O-GlcNAcylation: A Nutrient Sensor That Regulates Cell Physiology **2014**, 1-7		

294	Roles of the Nutrient Sensor, O-GlcNAcylation, in Chronic Diseases of Aging **2014**, 1-5		
293	O-GlcNAcomics--Revealing roles of O-GlcNAcylation in disease mechanisms and development of potential diagnostics. *Proteomics - Clinical Applications*, **2013**, 7, 597-606	3.1	31
292	Diabetic hyperglycaemia activates CaMKII and arrhythmias by O-linked glycosylation. *Nature*, **2013**, 502, 372-6	50.4	382
291	How sugar tunes your clock. *Cell Metabolism*, **2013**, 17, 155-6	24.6	12
290	Chemical approaches to study O-GlcNAcylation. *Chemical Society Reviews*, **2013**, 42, 4345-57	58.5	49
289	Detection of O-GlcNAc modifications on cardiac myofilament proteins. *Methods in Molecular Biology*, **2013**, 1005, 157-68	1.4	2
288	Nutrient regulation of immunity: O-GlcNAcylation regulates stimulus-specific NF-Ƀ-dependent transcription. *Science Signaling*, **2013**, 6, pe26	8.8	9
287	Thematic minireview series on glycobiology and extracellular matrices: glycan functions pervade biology at all levels. *Journal of Biological Chemistry*, **2013**, 288, 6903	5.4	16
286	Protein O-GlcNAcylation in diabetes and diabetic complications. *Expert Review of Proteomics*, **2013**, 10, 365-80	4.2	157
285	O-GlcNAcylation of kinases. *Biochemical and Biophysical Research Communications*, **2012**, 422, 224-8	3.4	61
284	Modification of RelA by O-linked N-acetylglucosamine links glucose metabolism to NF-Ƀ acetylation and transcription. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 16888-93	11.5	71
283	Evidence of the involvement of O-GlcNAc-modified human RNA polymerase II CTD in transcription in vitro and in vivo. *Journal of Biological Chemistry*, **2012**, 287, 23549-61	5.4	117
282	Tandem mass spectrometry identifies many mouse brain O-GlcNAcylated proteins including EGF domain-specific O-GlcNAc transferase targets. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 7280-5	11.5	234
281	Regulation of CK2 by phosphorylation and O-GlcNAcylation revealed by semisynthesis. *Nature Chemical Biology*, **2012**, 8, 262-9	11.7	119
280	Detection and analysis of proteins modified by O-linked N-acetylglucosamine. *Current Protocols in Protein Science*, **2011**, Chapter 12, Unit12.8	3.1	37
279	Detection and analysis of proteins modified by O-linked N-acetylglucosamine. *Current Protocols in Molecular Biology*, **2011**, Chapter 17, Unit 17.6	2.9	34
278	Cross talk between O-GlcNAcylation and phosphorylation: roles in signaling, transcription, and chronic disease. *Annual Review of Biochemistry*, **2011**, 80, 825-58	29.1	882
277	O-GlcNAc signalling: implications for cancer cell biology. *Nature Reviews Cancer*, **2011**, 11, 678-84	31.3	311

276	The dynamic stress-induced "O-GlcNAc-ome" highlights functions for O-GlcNAc in regulating DNA damage/repair and other cellular pathways. *Amino Acids*, **2011**, 40, 793-808	3.5	84
275	The E2F-1 associated retinoblastoma-susceptibility gene product is modified by O-GlcNAc. *Amino Acids*, **2011**, 40, 877-83	3.5	33
274	Morphological changes in diabetic kidney are associated with increased O-GlcNAcylation of cytoskeletal proteins including □actinin 4. *Clinical Proteomics*, **2011**, 8, 15	5	28
273	dbOGAP - an integrated bioinformatics resource for protein O-GlcNAcylation. *BMC Bioinformatics*, **2011**, 12, 91	3.6	79
272	Program and abstracts for the 2011 Meeting of the Society for Glycobiology. *Glycobiology*, **2011**, 21, 1454-1531	5.8	6
271	Cellular content of UDP-N-acetylhexosamines controls hyaluronan synthase 2 expression and correlates with O-linked N-acetylglucosamine modification of transcription factors YY1 and SP1. *Journal of Biological Chemistry*, **2011**, 286, 33632-40	5.4	53
270	Aberrant O-GlcNAcylation characterizes chronic lymphocytic leukemia. *Leukemia*, **2010**, 24, 1588-98	10.7	98
269	The intersections between O-GlcNAcylation and phosphorylation: implications for multiple signaling pathways. *Journal of Cell Science*, **2010**, 123, 13-22	5.3	237
268	Regulation of insulin receptor substrate 1 (IRS-1)/AKT kinase-mediated insulin signaling by O-Linked beta-N-acetylglucosamine in 3T3-L1 adipocytes. *Journal of Biological Chemistry*, **2010**, 285, 5204-11	5.4	110
267	O-GlcNAc transferase regulates mitotic chromatin dynamics. *Journal of Biological Chemistry*, **2010**, 285, 34460-8	5.4	96
266	Enrichment and site mapping of O-linked N-acetylglucosamine by a combination of chemical/enzymatic tagging, photochemical cleavage, and electron transfer dissociation mass spectrometry. *Molecular and Cellular Proteomics*, **2010**, 9, 153-60	7.6	199
265	Increased expression of beta-N-acetylglucosaminidase in erythrocytes from individuals with pre-diabetes and diabetes. *Diabetes*, **2010**, 59, 1845-50	0.9	50
264	Beta-N-acetylglucosamine (O-GlcNAc) is part of the histone code. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 19915-20	11.5	275
263	O-GlcNAc cycling enzymes associate with the translational machinery and modify core ribosomal proteins. *Molecular Biology of the Cell*, **2010**, 21, 1922-36	3.5	83
262	O-linked beta-N-acetylglucosamine (O-GlcNAc): Extensive crosstalk with phosphorylation to regulate signaling and transcription in response to nutrients and stress. *Biochimica Et Biophysica Acta - General Subjects*, **2010**, 1800, 96-106	4	310
261	Glycomics hits the big time. *Cell*, **2010**, 143, 672-6	56.2	484
260	Extensive crosstalk between O-GlcNAcylation and phosphorylation regulates cytokinesis. *Science Signaling*, **2010**, 3, ra2	8.8	231
259	The ubiquitin carboxyl hydrolase BAP1 forms a ternary complex with YY1 and HCF-1 and is a critical regulator of gene expression. *Molecular and Cellular Biology*, **2010**, 30, 5071-85	4.8	185

258	Dynamic Crosstalk between GlcNAcylation and Phosphorylation: Roles in Signaling, Transcription and Human Disease (Supplementary Material). *Current Signal Transduction Therapy*, **2010**, 5, 25-40	0.8	3
257	O-GlcNAc signaling: a metabolic link between diabetes and cancer?. *Trends in Biochemical Sciences*, **2010**, 35, 547-55	10.3	262
256	Site-specific interplay between O-GlcNAcylation and phosphorylation in cellular regulation. *FEBS Letters*, **2010**, 584, 2526-38	3.8	129
255	Complex Between GlcNAcylation & Phosphorylation is Extensive: Roles in Nutrient Sensing & Signaling. *FASEB Journal*, **2010**, 24, 303.2	0.9	
254	Regulation of calcium/calmodulin-dependent kinase IV by O-GlcNAc modification. *Journal of Biological Chemistry*, **2009**, 284, 21327-37	5.4	103
253	A PGC-1alpha-O-GlcNAc transferase complex regulates FoxO transcription factor activity in response to glucose. *Journal of Biological Chemistry*, **2009**, 284, 5148-57	5.4	137
252	Site-specific GlcNAcylation of human erythrocyte proteins: potential biomarker(s) for diabetes. *Diabetes*, **2009**, 58, 309-17	0.9	108
251	O-linked N-acetylglucosamine modification on CCAAT enhancer-binding protein beta: role during adipocyte differentiation. *Journal of Biological Chemistry*, **2009**, 284, 19248-54	5.4	57
250	Symbol nomenclature for glycan representation. *Proteomics*, **2009**, 9, 5398-9	4.8	142
249	Human Proteinpedia enables sharing of human protein data. *Nature Biotechnology*, **2008**, 26, 164-7	44.5	138
248	Murine platelets are not regulated by O-linked beta-N-acetylglucosamine. *Archives of Biochemistry and Biophysics*, **2008**, 474, 220-4	4.1	6
247	Cross-talk between GlcNAcylation and phosphorylation: roles in insulin resistance and glucose toxicity. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E17-28	6	195
246	AMP-activated protein kinase and p38 MAPK activate O-GlcNAcylation of neuronal proteins during glucose deprivation. *Journal of Biological Chemistry*, **2008**, 283, 13009-20	5.4	164
245	O-GlcNAc regulates FoxO activation in response to glucose. *Journal of Biological Chemistry*, **2008**, 283, 16283-92	5.4	224
244	O-linked beta-N-acetylglucosaminyltransferase substrate specificity is regulated by myosin phosphatase targeting and other interacting proteins. *Journal of Biological Chemistry*, **2008**, 283, 33935-41	5.4	120
243	Characterization of beta-N-acetylglucosaminidase cleavage by caspase-3 during apoptosis. *Journal of Biological Chemistry*, **2008**, 283, 23557-66	5.4	79
242	Regulation of the O-linked beta-N-acetylglucosamine transferase by insulin signaling. *Journal of Biological Chemistry*, **2008**, 283, 21411-7	5.4	121
241	Cross-talk between GlcNAcylation and phosphorylation: site-specific phosphorylation dynamics in response to globally elevated O-GlcNAc. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 13793-8	11.5	252

240	Cardioprotection by N-acetylglucosamine linkage to cellular proteins. *Circulation*, **2008**, 117, 1172-82	16.7	179
239	O-linked GlcNAc modification of cardiac myofilament proteins: a novel regulator of myocardial contractile function. *Circulation Research*, **2008**, 103, 1354-8	15.7	103
238	A mitotic GlcNAcylation/phosphorylation signaling complex alters the posttranslational state of the cytoskeletal protein vimentin. *Molecular Biology of the Cell*, **2008**, 19, 4130-40	3.5	129
237	Glycomic Approaches to Study GlcNAcylation: Protein Identification, Site-mapping, and Site-specific O-GlcNAc Quantitation. *Clinical Proteomics*, **2008**, 4, 5-13	5	23
236	Two-dimensional gel-based approaches for the assessment of N-Linked and O-GlcNAc glycosylation in human and simian immunodeficiency viruses. *Proteomics*, **2008**, 8, 4919-30	4.8	17
235	N-propanoylmannosamine interferes with O-GlcNAc modification of the tyrosine 3-monooxygenase and stimulates dopamine secretion. *Journal of Neuroscience Research*, **2008**, 86, 647-52	4.4	7
234	Determining Role of O-GlcNAcylation During T-cell Activation. *FASEB Journal*, **2008**, 22, 826.3	0.9	
233	O-GlcNAc modification of CaMKIV. *FASEB Journal*, **2008**, 22, 1043.3	0.9	
232	The alpha2 catalytic subunit of AMP-activated protein kinase (AMPK) is O-GlcNAc modified. *FASEB Journal*, **2008**, 22, 614.7	0.9	
231	A PGC-1-O-GlcNAc Transferase Complex Regulates Foxo1a Activation in Response to Glucose. *FASEB Journal*, **2008**, 22, 613.1	0.9	
230	Coactivator Associated Arginine Methyltransferase 1 (CARM1) is reciprocally regulated by phosphorylation and O-GlcNAcylation. *FASEB Journal*, **2008**, 22, 1043.2	0.9	
229	O-GlcNAc modification in diabetes and Alzheimer's disease. *Molecular BioSystems*, **2007**, 3, 766-72		195
228	Elevation of the post-translational modification of proteins by O-linked N-acetylglucosamine leads to deterioration of the glucose-stimulated insulin secretion in the pancreas of diabetic Goto-Kakizaki rats. *Glycobiology*, **2007**, 17, 127-40	5.8	73
227	Dynamic interplay between O-linked N-acetylglucosaminylation and glycogen synthase kinase-3-dependent phosphorylation. *Molecular and Cellular Proteomics*, **2007**, 6, 1365-79	7.6	162
226	Cycling of O-linked beta-N-acetylglucosamine on nucleocytoplasmic proteins. *Nature*, **2007**, 446, 1017-22	30.4	1048
225	Deciphering the roles of O-GlcNAcylation during CD4+ T-cells activation. *FASEB Journal*, **2007**, 21, A1035	0.9	
224	O-GlcNAcylation of Kinases. *FASEB Journal*, **2007**, 21, A985	0.9	
223	Glycogen Synthase Kinase-3 (GSK3) Inhibition By Lithium Induces O-GlcNAcylation Perturbations. *FASEB Journal*, **2007**, 21, A1021	0.9	

222	O-GlcNAcylation: a new post-translational modification of ribosomal proteins. *FASEB Journal*, **2007**, 21, A280	0.9	
221	The role of O-GlcNAcylation of GLUT4 Storage Vesicle Proteins in Insulin Stimulated GLUT4 Trafficking. *FASEB Journal*, **2007**, 21, A663	0.9	
220	Vimentin is a Target of an O-GlcNAc/O-Phosphate Signaling Complex at M-Phase. *FASEB Journal*, **2007**, 21, A615	0.9	
219	AMPK and p38 MAP kinase regulate OGT during glucose deprivation. *FASEB Journal*, **2007**, 21, A620	0.9	
218	Dynamic Cycling of the O-GlcNAc Transferase on the Estrogen Responsive pS2 Promoter During the Transcription Cycle.. *FASEB Journal*, **2007**, 21, A286	0.9	
217	O-GlcNAcase is Cleaved Between Its Glycosidase & Histone Acetyltransferase Domains by Caspase-3 During Apoptosis. *FASEB Journal*, **2007**, 21, A257	0.9	
216	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	4.7	138
215	Posttranslational, reversible O-glycosylation is stimulated by high glucose and mediates plasminogen activator inhibitor-1 gene expression and Sp1 transcriptional activity in glomerular mesangial cells. *Endocrinology*, **2006**, 147, 222-31	4.8	80
214	Identification of O-GlcNAc sites on proteins. *Methods in Enzymology*, **2006**, 415, 113-33	1.7	34
213	Cell signaling, the essential role of O-GlcNAc!. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 599-617	5	295
212	Reciprocal keratin 18 Ser48 O-GlcNAcylation and Ser52 phosphorylation using peptide analysis. *Biochemical and Biophysical Research Communications*, **2006**, 351, 708-12	3.4	12
211	Fine-tuning ER-beta structure with PTMs. *Chemistry and Biology*, **2006**, 13, 923-4		6
210	Insulin increases tyrosine phosphorylation and activity of O-GlcNAc Transferase (OGT). *FASEB Journal*, **2006**, 20, A955	0.9	
209	Elevated O-GlcNAc Cycling on FOXO1A Mediates Inappropriate Hepatic Gluconeogenesis. *FASEB Journal*, **2006**, 20, A955	0.9	2
208	Defining the Dynamic O-GlcNAc Proteome. *FASEB Journal*, **2006**, 20, A56	0.9	
207	O-GlcNAc Transferase is a Critical Regulator of Cytokinesis. *FASEB Journal*, **2006**, 20, A37	0.9	1
206	Elevated Post-Translational Modification of Proteins by O-Linked N-Acetylglucosamine in Various Tissues of Diabetic Goto-Kakizaki Rats Accompanied by Diabetic Complications. *Acta Histochemica Et Cytochemica*, **2005**, 38, 131-142	1.9	9
205	O-GlcNAc modification of nucleocytoplasmic proteins and diabetes. *Medical Molecular Morphology*, **2005**, 38, 84-91	2.3	42

204	Quantitative analysis of both protein expression and serine / threonine post-translational modifications through stable isotope labeling with dithiothreitol. *Proteomics*, **2005**, 5, 388-98	4.8	154
203	Perturbations in O-linked beta-N-acetylglucosamine protein modification cause severe defects in mitotic progression and cytokinesis. *Journal of Biological Chemistry*, **2005**, 280, 32944-56	5.4	218
202	Nucleocytoplasmic glycosylation, O-GlcNAc: identification and site mapping. *Methods in Molecular Biology*, **2004**, 284, 175-94	1.4	21
201	The coactivator of transcription CREB-binding protein interacts preferentially with the glycosylated form of Stat5. *Journal of Biological Chemistry*, **2004**, 279, 3563-72	5.4	130
200	Dynamic O-GlcNAc modification of nucleocytoplasmic proteins in response to stress. A survival response of mammalian cells. *Journal of Biological Chemistry*, **2004**, 279, 30133-42	5.4	416
199	Ogt-dependent X-chromosome-linked protein glycosylation is a requisite modification in somatic cell function and embryo viability. *Molecular and Cellular Biology*, **2004**, 24, 1680-90	4.8	334
198	O-GlcNAc transferase is in a functional complex with protein phosphatase 1 catalytic subunits. *Journal of Biological Chemistry*, **2004**, 279, 38466-70	5.4	106
197	O-GlcNAc modification: a nutritional sensor that modulates proteasome function. *Trends in Cell Biology*, **2004**, 14, 218-21	18.3	83
196	O-GlcNAcylation regulates phosphorylation of tau: a mechanism involved in Alzheimer's disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 10804-9	11.5	547
195	O-GlcNAc a sensor of cellular state: the role of nucleocytoplasmic glycosylation in modulating cellular function in response to nutrition and stress. *Biochimica Et Biophysica Acta - General Subjects*, **2004**, 1673, 13-28	4	319
194	Nucleocytoplasmic Glycosylation, O-linked β-N-Acetylglucosamine. *Current Organic Chemistry*, **2004**, 8, 369-383	1.7	2
193	GlcNAc Biosynthesis and Function, O-Linked **2004**, 189-192		
192	Protein Glycosylation, Overview **2004**, 504-509		
191	Structural and functional diversity of glycoconjugates: a formidable challenge to the glycoanalyst. *Methods in Molecular Biology*, **2003**, 213, 3-24	1.4	2
190	Dynamic interplay between O-GlcNAc and O-phosphate: the sweet side of protein regulation. *Current Opinion in Structural Biology*, **2003**, 13, 631-6	8.1	117
189	Localization of the O-GlcNAc transferase and O-GlcNAc-modified proteins in rat cerebellar cortex. *Brain Research*, **2003**, 966, 194-205	3.7	73
188	Dynamic nuclear and cytoplasmic glycosylation: enzymes of O-GlcNAc cycling. *Biochemistry*, **2003**, 42, 2493-9	3.2	68
187	O-GlcNAc turns twenty: functional implications for post-translational modification of nuclear and cytosolic proteins with a sugar. *FEBS Letters*, **2003**, 546, 154-8	3.8	155

186	The transcription factor PDX-1 is post-translationally modified by O-linked N-acetylglucosamine and this modification is correlated with its DNA binding activity and insulin secretion in min6 beta-cells. *Archives of Biochemistry and Biophysics*, **2003**, 415, 155-63	4.1	129
185	O-GlcNAc: a regulatory post-translational modification. *Biochemical and Biophysical Research Communications*, **2003**, 302, 435-41	3.4	163
184	Dynamic interplay between O-glycosylation and O-phosphorylation of nucleocytoplasmic proteins: a new paradigm for metabolic control of signal transduction and transcription. *Progress in Molecular Biology and Translational Science*, **2003**, 73, 107-36		96
183	Identification and cloning of a novel family of coiled-coil domain proteins that interact with O-GlcNAc transferase. *Journal of Biological Chemistry*, **2003**, 278, 5399-409	5.4	117
182	Roles of the tetratricopeptide repeat domain in O-GlcNAc transferase targeting and protein substrate specificity. *Journal of Biological Chemistry*, **2003**, 278, 24608-16	5.4	140
181	Proteomic approaches to analyze the dynamic relationships between nucleocytoplasmic protein glycosylation and phosphorylation. *Circulation Research*, **2003**, 93, 1047-58	15.7	107
180	Diverse regulation of protein function by O-GlcNAc: a nuclear and cytoplasmic carbohydrate post-translational modification. *Current Opinion in Chemical Biology*, **2002**, 6, 851-7	9.7	115
179	Elevated nucleocytoplasmic glycosylation by O-GlcNAc results in insulin resistance associated with defects in Akt activation in 3T3-L1 adipocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 5313-8	11.5	389
178	Dynamic interplay between O-glycosylation and O-phosphorylation of nucleocytoplasmic proteins: alternative glycosylation/phosphorylation of THR-58, a known mutational hot spot of c-Myc in lymphomas, is regulated by mitogens. *Journal of Biological Chemistry*, **2002**, 277, 19229-35	5.4	155
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