Tony Lefebvre

List of Publications by Year
in descending order

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78 papers	3,039 citations	126907 33 h-index	175258 52 g-index
82 all docs	82 docs citations	82 times ranked	3266 citing authors

#	Article	IF	Citations
1	O-GlcNAcylation: A New Cancer Hallmark?. Frontiers in Endocrinology, 2013, 4, 99.	3.5	207
2	O-GlcNAcylation Increases ChREBP Protein Content and Transcriptional Activity in the Liver. Diabetes, 2011, 60, 1399-1413.	0.6	180
3	Evidence of a balance between phosphorylation and O-GlcNAc glycosylation of Tau proteinsâ€"a role in nuclear localization. Biochimica Et Biophysica Acta - General Subjects, 2003, 1619, 167-176.	2.4	178
4	Oâ€GlcNAcylation stabilizes Î²â€catenin through direct competition with phosphorylation at threonine 41. FASEB Journal, 2014, 28, 3325-3338.	0.5	114
5	Identification of O-linked N-Acetylglucosamine Proteins in Rat Skeletal Muscle Using Two-dimensional Gel Electrophoresis and Mass Spectrometry. Molecular and Cellular Proteomics, 2004, 3, 577-585.	3.8	99
6	Dysregulation of the nutrient/stress sensor O-GlcNAcylation is involved in the etiology of cardiovascular disorders, type-2 diabetes and Alzheimer's disease. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 67-79.	2.4	95
7	Protein ubiquitination is modulated by O â€GlcNAc glycosylation. FASEB Journal, 2008, 22, 2901-2911.	0.5	91
8	O-GlcNAc glycosylation: a signal for the nuclear transport of cytosolic proteins?. International Journal of Biochemistry and Cell Biology, 2005, 37, 765-774.	2.8	79
9	Identification of Structural and Functional O-Linked N-Acetylglucosamine-bearing Proteins in Xenopus laevis Oocyte. Molecular and Cellular Proteomics, 2008, 7, 2229-2245.	3.8	70
10	O-GlcNAcylation, an Epigenetic Mark. Focus on the Histone Code, TET Family Proteins, and Polycomb Group Proteins. Frontiers in Endocrinology, 2014, 5, 155.	3.5	70
11	Drug resistance related to aberrant glycosylation in colorectal cancer. Oncotarget, 2018, 9, 1380-1402.	1.8	69
12	O-Linked N-Acetylglucosaminyltransferase Inhibition Prevents G2/M Transition in Xenopus laevis Oocytes. Journal of Biological Chemistry, 2007, 282, 12527-12536.	3.4	63
13	The hexosamine biosynthetic pathway andO-GlcNAcylation drive the expression of Î²-catenin and cell proliferation. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E417-E424.	3.5	62
14	Identification of N-acetyl-d-glucosamine-specific lectins from rat liver cytosolic and nuclear compartments as heat-shock proteins. Biochemical Journal, 2001, 360, 179-188.	3.7	61
15	Effect of okadaic acid on O-linked N-acetylglucosamine levels in a neuroblastoma cell line. Biochimica Et Biophysica Acta - General Subjects, 1999, 1472, 71-81.	2.4	59
16	Characterization of O-GlcNAc cycling and proteomic identification of differentially O-GlcNAcylated proteins during G1/S transition. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1839-1848.	2.4	56
17	Glucose sensing O-GlcNAcylation pathway regulates the nuclear bile acid receptor farnesoid X receptor (FXR). Hepatology, 2014, 59, 2022-2033.	7.3	55
18	Cross-Dysregulation of O-GlcNAcylation and PI3K/AKT/mTOR Axis in Human Chronic Diseases. Frontiers in Endocrinology, 2018, 9, 602.	3.5	52

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19	Serum-stimulated cell cycle entry promotes ncOGT synthesis required for cyclin D expression. Oncogenesis, 2012, 1, e36-e36.	4.9	50
20	70-kDa-heat shock protein presents an adjustable lectinic activity towards O-linked N-acetylglucosamine. Biochemical and Biophysical Research Communications, 2004, 319, 21-26.	2.1	48
21	DoesO-GlcNAc play a role in neurodegenerative diseases?. Expert Review of Proteomics, 2005, 2, 265-275.	3.0	47
22	The Nutrient-Dependent O-GlcNAc Modification Controls the Expression of Liver Fatty Acid Synthase. Journal of Molecular Biology, 2016, 428, 3295-3304.	4.2	45
23	Insulin signaling controls the expression of O â€GlcNAc transferase and its interaction with lipid microdomains. FASEB Journal, 2013, 27, 3478-3486.	0.5	43
24	Silencing the Nucleocytoplasmic O-GlcNAc Transferase Reduces Proliferation, Adhesion, and Migration of Cancer and Fetal Human Colon Cell Lines. Frontiers in Endocrinology, 2016, 7, 46.	3.5	41
25	Modulation of O-GlcNAc glycosylation duringXenopus oocyte maturation. Journal of Cellular Biochemistry, 2004, 93, 999-1010.	2.6	39
26	Evidence for an imbalance between tau O-GlcNAcylation and phosphorylation in the hippocampus of a mouse model of Alzheimerâ€™s disease. Pharmacological Research, 2016, 105, 186-197.	7.1	39
27	Microinjection of recombinant O-GlcNAc transferase potentiates Xenopus oocytes M-phase entry. Biochemical and Biophysical Research Communications, 2008, 369, 539-546.	2.1	38
28	Identification of N-acetyl-d-glucosamine-specific lectins from rat liver cytosolic and nuclear compartments as heat-shock proteins. Biochemical Journal, 2001, 360, 179.	3.7	37
29	Hsp70-GlcNAc-binding activity is released by stress, proteasome inhibition, and protein misfolding. Biochemical and Biophysical Research Communications, 2007, 361, 414-420.	2.1	37
30	Detection and identification of Oâ€GlcNAcylated proteins by proteomic approaches. Proteomics, 2015, 15, 1039-1050.	2.2	36
31	Modulation of HSP70 GlcNAc-directed lectin activity by glucose availability and utilization. Glycobiology, 2006, 16, 22-28.	2.5	35
32	OGT: a short overview of an enzyme standing out from usual glycosyltransferases. Biochemical Society Transactions, 2017, 45, 365-370.	3.4	35
33	Combinatorial regulation of hepatic cytoplasmic signaling and nuclear transcriptional events by the OGT/REV-ERBÎ± complex. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11033-E11042.	7.1	35
34	Direct evidence of O-GlcNAcylation in the apicomplexan Toxoplasma gondii: a biochemical and bioinformatic study. Amino Acids, 2011, 40, 847-856.	2.7	34
35	Cryptosporidium parvum-induced ileo-caecal adenocarcinoma and WNT signaling in a rodent model. DMM Disease Models and Mechanisms, 2014, 7, 693-700.	2.4	34
36	O-GlcNAcylation and chromatin remodeling in mammals: an up-to-date overview. Biochemical Society Transactions, 2017, 45, 323-338.	3.4	34

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37	The Many Ways by Which O-GlcNAcylation May Orchestrate the Diversity of Complex Glycosylations. Molecules, 2018, 23, 2858.	3.8	34
38	The RBM14/CoAA-interacting, long intergenic non-coding RNA Paral1 regulates adipogenesis and coactivates the nuclear receptor PPARÎ³. Scientific Reports, 2017, 7, 14087.	3.3	33
39	Cross regulation between mTOR signaling and O-GlcNAcylation. Journal of Bioenergetics and Biomembranes, 2018, 50, 213-222.	2.3	33
40	O-glycan variability of egg-jelly mucins from Xenopus laevis: characterization of four phenotypes that differ by the terminal glycosylation of their mucins. Biochemical Journal, 2000, 352, 449-463.	3.7	32
41	Increased Chromatin Association of Sp1 in Interphase Cells by PP2A-mediated Dephosphorylations. Journal of Molecular Biology, 2006, 364, 897-908.	4.2	30
42	Glucokinase expression is regulated by glucose through O-GlcNAc glycosylation. Biochemical and Biophysical Research Communications, 2016, 478, 942-948.	2.1	30
43	Dual regulation of fatty acid synthase (FASN) expression by O-GlcNAc transferase (OGT) and mTOR pathway in proliferating liver cancer cells. Cellular and Molecular Life Sciences, 2021, 78, 5397-5413.	5.4	30
44	The tumor suppressor HIC1 (hypermethylated in cancer 1) is O-GlcNAc glycosylated. FEBS Journal, 2004, 271, 3843-3854.	0.2	26
45	Identification of O-GlcNAcylated proteins in Plasmodium falciparum. Malaria Journal, 2017, 16, 485.	2.3	25
46	Function and Molecular Modeling of the Interaction between Human Interleukin 6 and Its HNK-1 Oligosaccharide Ligands. Journal of Biological Chemistry, 2002, 277, 12246-12252.	3.4	22
47	Recombinant fungal lectin as a new tool to investigateO-GlcNAcylation processes. Glycobiology, 2017, 27, 123-128.	2.5	22
48	Cyclin D1 Stability Is Partly Controlled by O-GlcNAcylation. Frontiers in Endocrinology, 2019, 10, 106.	3.5	22
49	Survey of O-GlcNAc level variations in Xenopus laevis from oogenesis to early development. Glycoconjugate Journal, 2009, 26, 301-311.	2.7	21
50	O-glycosylation of the nuclear forms of Pax-6 products in quail neuroretina cells. Journal of Cellular Biochemistry, 2002, 85, 208-218.	2.6	20
51	O-GlcNAc Glycosylation and Neurological Disorders. Advances in Experimental Medicine and Biology, 2003, 535, 189-202.	1.6	20
52	PUGNAc treatment leads to an unusual accumulation of free oligosaccharides in CHO cells. Journal of Biochemistry, 2012, 151, 439-446.	1.7	20
53	Regulatory O-GlcNAcylation sites on FoxO1 are yet to be identified. Biochemical and Biophysical Research Communications, 2015, 462, 151-158.	2.1	20
54	Mitochondrial O-GlcNAc Transferase Interacts with and Modifies Many Proteins and Its Up-Regulation Affects Mitochondrial Function and Cellular Energy Homeostasis. Cancers, 2021, 13, 2956.	3.7	19

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55	Modification by SUMOylation Controls Both the Transcriptional Activity and the Stability of Delta-Lactoferrin. PLoS ONE, 2015, 10, e0129965.	2.5	18
56	O-GlcNAcylation and the Metabolic Shift in High-Proliferating Cells: All the Evidence Suggests that Sugars Dictate the Flux of Lipid Biogenesis in Tumor Processes. Frontiers in Oncology, 2016, 6, 6.	2.8	18
57	Design of glycosyltransferase inhibitors targeting humanO-GlcNAc transferase (OGT). MedChemComm, 2014, 5, 1172-1178.	3.4	17
58	O-GlcNAcylation Is Involved in the Regulation of Stem Cell Markers Expression in Colon Cancer Cells. Frontiers in Endocrinology, 2019, 10, 289.	3.5	16
59	30 Years Old: O-GlcNAc Reaches the Age of Reason Ã¢â‚¬â€œ Regulation of Cell Signaling and Metabolism by O-GlcNAcylation. Frontiers in Endocrinology, 2015, 6, 17.	3.5	15
60	O-GlcNAc transferase associates with the MCM2â€“7 complex and its silencing destabilizes MCMâ€“MCM interactions. Cellular and Molecular Life Sciences, 2018, 75, 4321-4339.	5.4	14
61	Apart From Rhoptries, Identification of Toxoplasma gondii's O-GlcNAcylated Proteins Reinforces the Universality of the O-GlcNAcome. Frontiers in Endocrinology, 2018, 9, 450.	3.5	13
62	Thymidylate synthase O-GlcNAcylation: a molecular mechanism of 5-FU sensitization in colorectal cancer. Oncogene, 2022, 41, 745-756.	5.9	12
63	OGT Controls the Expression and the Glycosylation of Eâ€cadherin, and Affects Glycosphingolipid Structures in Human Colon Cell Lines. Proteomics, 2019, 19, e1800452.	2.2	11
64	Exploring the Potential of Î²-Catenin O-GlcNAcylation by Using Fluorescence-Based Engineering and Imaging. Molecules, 2020, 25, 4501.	3.8	11
65	Identification of O-Glcnacylated Proteins in Trypanosoma cruzi. Frontiers in Endocrinology, 2019, 10, 199.	3.5	9
66	Recall sugars, forget Alzheimer's. Nature Chemical Biology, 2012, 8, 325-326.	8.0	7
67	Effect of amyloid-Î² (25â€“35) in hyperglycemic and hyperinsulinemic rats, effects on phosphorylation and O-GlcNAcylation of tau protein. Neuropeptides, 2017, 63, 18-27.	2.2	7
68	Identification of lipid raft glycoproteins obtained from boar spermatozoa. Glycoconjugate Journal, 2020, 37, 499-509.	2.7	6
69	O-glycosylation of the nuclear forms of Pax-6 products in quail neuroretina cells. Journal of Cellular Biochemistry, 2002, 85, 208-18.	2.6	6
70	Antibodies and Activity Measurements for the Detection of O-GlcNAc Transferase and Assay of its Substrate, UDP-GlcNAc. Methods in Molecular Biology, 2013, 1022, 147-159.	0.9	5
71	Proteomics and PUGNAcity will overcome questioning of insulin resistance induction by non-selective inhibition ofO-GlcNAcase. Proteomics, 2013, 13, n/a-n/a.	2.2	5
72	O-GlcNAcylation Prediction: An Unattained Objective. Advances and Applications in Bioinformatics and Chemistry, 2021, Volume 14, 87-102.	2.6	5

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73	Arginine 469 is a pivotal residue for the Hsc70â€“GlcNAc-binding property. Biochemical and Biophysical Research Communications, 2010, 400, 537-542.	2.1	4
74	O-GlcNAcylation: A sweet thorn in the spindle!. Cell Cycle, 2016, 15, 1954-1955.	2.6	3
75	Lâ€™acide gras synthase, une enzyme Â«Âmulti-FASetteÂÂ». Medecine/Sciences, 2022, 38, 445-452.	0.2	3
76	Editorial: O-GlcNAcylation: Expanding the Frontiers. Frontiers in Endocrinology, 2019, 10, 867.	3.5	2
77	Evaluation of the expression of fatty acid synthase and Oâ€‘GlcNAc transferase in patients with liver cancer by exploration of transcriptome databases and experimental approaches. Oncology Letters, 2022, 23, 105.	1.8	2
78	Disrupting membrane lipids composition promotes tumorigenesis: the other dark side of cholesterol and the potential implication of gangliosides. Translational Cancer Research, 2018, 7, S587-S590.	1.0	1