Adnan Halim

List of Publications by Year
in descending order

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47 papers	3,114 citations	159585 30 h-index	214800 47 g-index
49 all docs	49 docs citations	49 times ranked	4109 citing authors

#	Article	IF	Citations
1	Enrichment of glycopeptides for glycan structure and attachment site identification. Nature Methods, 2009, 6, 809-811.	19.0	309
2	Engineered CHO cells for production of diverse, homogeneous glycoproteins. Nature Biotechnology, 2015, 33, 842-844.	17.5	213
3	Site-specific characterization of threonine, serine, and tyrosine glycosylations of amyloid precursor protein/amyloid Î²-peptides in human cerebrospinal fluid. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11848-11853.	7.1	205
4	Mining the O-mannose glycoproteome reveals cadherins as major O-mannosylated glycoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21018-21023.	7.1	143
5	Molecular Logic of Neuronal Self-Recognition through Protocadherin Domain Interactions. Cell, 2015, 163, 629-642.	28.9	141
6	Human Urinary Glycoproteomics; Attachment Site Specific Analysis of N- and O-Linked Glycosylations by CID and ECD. Molecular and Cellular Proteomics, 2012, 11, M111.013649.	3.8	137
7	Assignment of Saccharide Identities through Analysis of Oxonium Ion Fragmentation Profiles in LCâ€“MS/MS of Glycopeptides. Journal of Proteome Research, 2014, 13, 6024-6032.	3.7	129
8	Characterizing the O-glycosylation landscape of human plasma, platelets, and endothelial cells. Blood Advances, 2017, 1, 429-442.	5.2	121
9	Advances in mass spectrometry driven O-glycoproteomics. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 33-42.	2.4	104
10	Interlaboratory Study on Differential Analysis of Protein Glycosylation by Mass Spectrometry: The ABRF Glycoprotein Research Multi-Institutional Study 2012. Molecular and Cellular Proteomics, 2013, 12, 2935-2951.	3.8	103
11	A systematic study of modulation of ADAM-mediated ectodomain shedding by site-specific O-glycosylation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14623-14628.	7.1	98
12	LCâ€“MS/MS Characterization of O-Glycosylation Sites and Glycan Structures of Human Cerebrospinal Fluid Glycoproteins. Journal of Proteome Research, 2013, 12, 573-584.	3.7	97
13	Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11163-11168.	7.1	83
14	An online nanoâ€LCâ€ESIâ€FTICRâ€MS method for comprehensive characterization of endogenous fragments from amyloid Î² and amyloid precursor protein in human and cat cerebrospinal fluid. Journal of Mass Spectrometry, 2012, 47, 591-603.	1.6	78
15	The GalNAc-type O-Glycoproteome of CHO Cells Characterized by the SimpleCell Strategy. Molecular and Cellular Proteomics, 2014, 13, 3224-3235.	3.8	72
16	SnapShot: O-Glycosylation Pathways across Kingdoms. Cell, 2018, 172, 632-632.e2.	28.9	72
17	Complex Regulation of Prolyl-4-Hydroxylases Impacts Root Hair Expansion. Molecular Plant, 2015, 8, 734-746.	8.3	70
18	Discovery of a nucleocytoplasmic O-mannose glycoproteome in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15648-15653.	7.1	67

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19	Display of the human mucinome with defined O-glycans by gene engineered cells. Nature Communications, 2021, 12, 4070.	12.8	67
20	Mapping the O-Mannose Glycoproteome in Saccharomyces cerevisiae. Molecular and Cellular Proteomics, 2016, 15, 1323-1337.	3.8	61
21	Glycoproteomics. Nature Reviews Methods Primers, 2022, 2, .	21.2	61
22	Different affinity of galectins for human serum glycoproteins: Galectin-3 binds many protease inhibitors and acute phase proteins. Glycobiology, 2008, 18, 384-394.	2.5	59
23	NleB/SseK effectors from Citrobacter rodentium, Escherichia coli, and Salmonella enterica display distinct differences in host substrate specificity. Journal of Biological Chemistry, 2017, 292, 11423-11430.	3.4	56
24	Low Density Lipoprotein Receptor Class A Repeats Are O-Glycosylated in Linker Regions. Journal of Biological Chemistry, 2014, 289, 17312-17324.	3.4	46
25	Differentiation of glycosphingolipid-derived glycan structural isomers by liquid chromatography/mass spectrometry. Glycobiology, 2010, 20, 1103-1116.	2.5	45
26	Exploring Regulation of Protein O-Glycosylation in Isogenic Human HEK293 Cells by Differential O-Glycoproteomics. Molecular and Cellular Proteomics, 2019, 18, 1396-1409.	3.8	44
27	Characterization of Binding Epitopes of CA125 Monoclonal Antibodies. Journal of Proteome Research, 2014, 13, 3349-3359.	3.7	42
28	Mammalian O-mannosylation of cadherins and plexins is independent of protein O-mannosyltransferases 1 and 2. Journal of Biological Chemistry, 2017, 292, 11586-11598.	3.4	39
29	Multiple distinct O-Mannosylation pathways in eukaryotes. Current Opinion in Structural Biology, 2019, 56, 171-178.	5.7	37
30	Targeting the glycoproteome. Glycoconjugate Journal, 2013, 30, 119-136.	2.7	35
31	O-Mannose and Oâ€“N-acetyl galactosamine glycosylation of mammalian Î±-dystroglycan is conserved in a region-specific manner. Glycobiology, 2012, 22, 1413-1423.	2.5	32
32	Glycoproteomic Analysis of Seven Major Allergenic Proteins Reveals Novel Post-translational Modifications. Molecular and Cellular Proteomics, 2015, 14, 191-204.	3.8	32
33	GlycoDomainViewer: a bioinformatics tool for contextual exploration of glycoproteomes. Glycobiology, 2018, 28, 131-136.	2.5	25
34	Site-specific O -glycosylation of N-terminal serine residues by polypeptide GalNAc-transferase 2 modulates human Î´-opioid receptor turnover at the plasma membrane. Cellular Signalling, 2018, 42, 184-193.	3.6	24
35	O-Linked Glycosylation of the Mucin Domain of the Herpes Simplex Virus Type 1-specific Glycoprotein gC-1 Is Temporally Regulated in a Seed-and-spread Manner. Journal of Biological Chemistry, 2015, 290, 5078-5091.	3.4	21
36	Endoplasmic reticulum transmembrane protein TMTC3 contributes to O-mannosylation of E-cadherin, cellular adherence, and embryonic gastrulation. Molecular Biology of the Cell, 2020, 31, 167-183.	2.1	21

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37	O-linked mucin-type glycosylation regulates the transcriptional programme downstream of EGFR. Glycobiology, 2021, 31, 200-210.	2.5	18
38	Genetically engineered cell factories produce glycoengineered vaccines that target antigen-presenting cells and reduce antigen-specific T-cell reactivity. Journal of Allergy and Clinical Immunology, 2018, 142, 1983-1987.	2.9	17
39	A strategy for generating cancer-specific monoclonal antibodies to aberrantO-glycoproteins: identification of a novel dysadherin-Tn antibody. Glycobiology, 2019, 29, 307-319.	2.5	17
40	Molecular pathogenesis of a new glycogenosis caused by a glycogenin-1 mutation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 493-499.	3.8	13
41	Novel Leb-like Helicobacter pylori-binding glycosphingolipid created by the expression of human Â-1,3/4-fucosyltransferase in FVB/N mouse stomach. Glycobiology, 2008, 19, 182-191.	2.5	11
42	The N-terminal domain of Î±-dystroglycan, released as a 38kDa protein, is increased in cerebrospinal fluid in patients with Lyme neuroborreliosis. Biochemical and Biophysical Research Communications, 2011, 412, 494-499.	2.1	11
43	LCâ€“MS/MS characterization of combined glycogenin-1 and glycogenin-2 enzymatic activities reveals their self-glucosylation preferences. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 398-405.	2.3	11
44	A Bacterial Mannose Binding Lectin as a Tool for the Enrichment of C- and O-Mannosylated Peptides. Analytical Chemistry, 2022, 94, 7329-7338.	6.5	8
45	Involvement of viral glycoprotein <scp>gC</scp>â€1 in expression of the selectin ligand sialylâ€Lewis X induced after infection with herpes simplex virus type 1. Apmis, 2013, 121, 280-289.	2.0	7
46	Microbial glycoproteomics. Current Opinion in Structural Biology, 2017, 44, 143-150.	5.7	6
47	Drosophila O-GlcNAcase Mutants Reveal an Expanded Glycoproteome and Novel Growth and Longevity Phenotypes. Cells, 2021, 10, 1026.	4.1	6