Weiming Yang

List of Publications by Year
in descending order

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35 papers	1,766 citations	331670 21 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	2012 citing authors

#	Article	IF	Citations
1	Proteogenomic characterization of pancreatic ductal adenocarcinoma. Cell, 2021, 184, 5031-5052.e26.	28.9	236
2	Comprehensive analysis of protein glycosylation by solid-phase extraction of N-linked glycans and glycosite-containing peptides. Nature Biotechnology, 2016, 34, 84-88.	17.5	213
3	GPQuest: A Spectral Library Matching Algorithm for Site-Specific Assignment of Tandem Mass Spectra to Intact N-glycopeptides. Analytical Chemistry, 2015, 87, 5181-5188.	6.5	163
4	Integrated Proteomic and Glycoproteomic Analyses of Prostate Cancer Cells Reveal Glycoprotein Alteration in Protein Abundance and Glycosylation*. Molecular and Cellular Proteomics, 2015, 14, 2753-2763.	3.8	113
5	Mapping the Oâ€glycoproteome using siteâ€specific extraction of Oâ€linked glycopeptides (EXoO). Molecular Systems Biology, 2018, 14, e8486.	7.2	110
6	Comparison of Enrichment Methods for Intact N- and O-Linked Glycopeptides Using Strong Anion Exchange and Hydrophilic Interaction Liquid Chromatography. Analytical Chemistry, 2017, 89, 11193-11197.	6.5	93
7	Inhibition of protein carbamylation in urea solution using ammonium-containing buffers. Analytical Biochemistry, 2014, 446, 76-81.	2.4	77
8	Glycan Analysis by Isobaric Aldehyde Reactive Tags and Mass Spectrometry. Analytical Chemistry, 2013, 85, 8188-8195.	6.5	73
9	Mucus sialylation determines intestinal host-commensal homeostasis. Cell, 2022, 185, 1172-1188.e28.	28.9	66
10	Site-Specific Fucosylation Analysis Identifying Glycoproteins Associated with Aggressive Prostate Cancer Cell Lines Using Tandem Affinity Enrichments of Intact Glycopeptides Followed by Mass Spectrometry. Analytical Chemistry, 2017, 89, 7623-7630.	6.5	65
11	N-GlycositeAtlas: a database resource for mass spectrometry-based human N-linked glycoprotein and glycosylation site mapping. Clinical Proteomics, 2019, 16, 35.	2.1	56
12	Glycoform Analysis of Recombinant and Human Immunodeficiency Virus Envelope Protein gp120 via Higher Energy Collisional Dissociation and Spectral-Aligning Strategy. Analytical Chemistry, 2014, 86, 6959-6967.	6.5	52
13	Classification of Tandem Mass Spectra for Identification of N- and O-linked Glycopeptides. Scientific Reports, 2016, 6, 37189.	3.3	45
14	Comprehensive Glycoproteomic Analysis of Chinese Hamster Ovary Cells. Analytical Chemistry, 2018, 90, 14294-14302.	6.5	42
15	Glycoproteins identified from heart failure and treatment models. Proteomics, 2015, 15, 567-579.	2.2	33
16	Simultaneous analyses of N-linked and O-linked glycans of ovarian cancer cells using solid-phase chemoenzymatic method. Clinical Proteomics, 2017, 14, 3.	2.1	32
17	Detection of aggressive prostate cancer associated glycoproteins in urine using glycoproteomics and mass spectrometry. Proteomics, 2016, 16, 2989-2996.	2.2	31
18	Large-scale site-specific mapping of the O-GalNAc glycoproteome. Nature Protocols, 2020, 15, 2589-2610.	12.0	28

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19	Identification of Critical Regions in Human SAMHD1 Required for Nuclear Localization and Vpx-Mediated Degradation. PLoS ONE, 2013, 8, e66201.	2.5	25
20	Combining Butyrated ManNAc with Glycoengineered CHO Cells Improves EPO Glycan Quality and Production. Biotechnology Journal, 2019, 14, 1800186.	3.5	23
21	Glycoproteomic analysis identifies human glycoproteins secreted from HIV latently infected T cells and reveals their presence in HIV+ plasma. Clinical Proteomics, 2014, 11, 9.	2.1	22
22	Urinary glycoproteins associated with aggressive prostate cancer. Theranostics, 2020, 10, 11892-11907.	10.0	22
23	Alterations of HIV-1 envelope phenotype and antibody-mediated neutralization by signal peptide mutations. PLoS Pathogens, 2018, 14, e1006812.	4.7	20
24	The rotavirus enterotoxin (NSP4) promotes re-modeling of the intracellular microtubule network. Virus Research, 2012, 163, 269-274.	2.2	16
25	Glycoproteomic Study Reveals Altered Plasma Proteins Associated with HIV Elite Suppressors. Theranostics, 2014, 4, 1153-1163.	10.0	15
26	Platelet glycoproteins associated with aspirinâ€treatment upon platelet activation. Proteomics, 2017, 17, 1600199.	2.2	15
27	Signal peptide of HIV-1 envelope modulates glycosylation impacting exposure of V1V2 and other epitopes. PLoS Pathogens, 2020, 16, e1009185.	4.7	14
28	Characterization of core fucosylation via sequential enzymatic treatments of intact glycopeptides and mass spectrometry analysis. Nature Communications, 2022, 13, .	12.8	14
29	Mass Spectrometric Mapping of Glycoproteins Modified by Tn-Antigen Using Solid-Phase Capture and Enzymatic Release. Analytical Chemistry, 2020, 92, 9230-9238.	6.5	11
30	Identification of glycoproteins associated with HIV latently infected cells using quantitative glycoproteomics. Proteomics, 2016, 16, 1872-1880.	2.2	10
31	Characterization of intact glycopeptides reveals the impact of culture media on siteâ€specific glycosylation of EPOâ€Fc fusion protein generated by CHOâ€GS cells. Biotechnology and Bioengineering, 2019, 116, 2303-2315.	3.3	9
32	Analysis of N-Glycoproteins Using Genomic N-Glycosite Prediction. Journal of Proteome Research, 2013, 12, 5609-5615.	3.7	8
33	A novel role for GalNAc-T2 dependent glycosylation in energy homeostasis. Molecular Metabolism, 2022, , 101472.	6.5	5
34	The molecular biology of rotaviruses X: intercellular dissemination of rotavirus NSP4 requires glycosylation and is mediated by direct cell-cell contact through cytoplasmic extrusions. Archives of Virology, 2012, 157, 305-314.	2.1	4
35	Proteomic Analysis of the Air-Way Fluid in Lung Cancer. Detection of Periostin in Bronchoalveolar Lavage (BAL). Frontiers in Oncology, 2020, 10, 1072.	2.8	4