Wei-Qian Cao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2877431/publications.pdf

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25	854	759233	610901
papers	citations	12 h-index	24 g-index

31	31	31	1032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Advances in Software Tools for More Generic and Precise Intact Glycopeptide Analysis. Molecular and Cellular Proteomics, 2021, 20, 100060.	3.8	71
2	OGP: A Repository of Experimentally Characterized O-glycoproteins to Facilitate Studies on O-glycosylation. Genomics, Proteomics and Bioinformatics, 2021, 19, 611-618.	6.9	12
3	Effective Enrichment Strategy Using Boronic Acid-Functionalized Mesoporous Grapheneâ€“Silica Composites for Intact N- and O-Linked Glycopeptide Analysis in Human Serum. Analytical Chemistry, 2021, 93, 6682-6691.	6.5	29
4	gQuant, an Automated Tool for Quantitative Glycomic Data Analysis. Frontiers in Chemistry, 2021, 9, 707738.	3.6	0
5	GproDIA enables data-independent acquisition glycoproteomics with comprehensive statistical control. Nature Communications, 2021, 12, 6073.	12.8	23
6	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. Nature Methods, 2021, 18, 1304-1316.	19.0	74
7	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for Bâ€Cell Lymphoma Therapy. Angewandte Chemie, 2021, 133, 3647-3654.	2.0	2
8	Precise, fast and comprehensive analysis of intact glycopeptides and modified glycans with pGlyco3. Nature Methods, 2021, 18, 1515-1523.	19.0	79
9	Aperture-controllable nano-electrospray emitter and its application in cardiac proteome analysis. Talanta, 2020, 207, 120340.	5.5	3
10	Novel methods in glycomics: a 2019 update. Expert Review of Proteomics, 2020, 17, 11-25.	3.0	25
11	An ultrafast and highly efficient enrichment method for both N-Glycopeptides and N-Glycans by bacterial cellulose. Analytica Chimica Acta, 2020, 1140, 60-68.	5.4	10
12	Development of a Computational Tool for Automated Interpretation of Intact O-Glycopeptide Tandem Mass Spectra from Single Proteins. Analytical Chemistry, 2020, 92, 6777-6784.	6.5	9
13	Straightforward and Highly Efficient Strategy for Hepatocellular Carcinoma Glycoprotein Biomarker Discovery Using a Nonglycopeptide-Based Mass Spectrometry Pipeline. Analytical Chemistry, 2019, 91, 12435-12443.	6.5	14
14	A multi-parallel N-glycopeptide enrichment strategy for high-throughput and in-depth mapping of the N-glycoproteome in metastatic human hepatocellular carcinoma cell lines. Talanta, 2019, 199, 254-261.	5.5	12
15	Locus-specific Retention Predictor (LsRP): A Peptide Retention Time Predictor Developed for Precision Proteomics. Scientific Reports, 2017, 7, 43959.	3.3	13
16	pGlyco 2.0 enables precision N-glycoproteomics with comprehensive quality control and one-step mass spectrometry for intact glycopeptide identification. Nature Communications, 2017, 8, 438.	12.8	250
17	Highly Selective Enrichment of Glycopeptides Based on Zwitterionically Functionalized Soluble Nanopolymers. Scientific Reports, 2016, 6, 29776.	3.3	22
18	Mapping and analyzing the human liver proteome: progress and potential. Expert Review of Proteomics, 2016, 13, 833-843.	3.0	7

#	Article	IF	Citations
19	pGlyco: a pipeline for the identification of intact N-glycopeptides by using HCD- and CID-MS/MS and MS3. Scientific Reports, 2016, 6, 25102.	3.3	84
20	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. Glycoconjugate Journal, 2016, 33, 405-415.	2.7	25
21	Glycan reducing end dual isotopic labeling (GREDIL) for mass spectrometry-based quantitative N-glycomics. Chemical Communications, 2015, 51, 13603-13606.	4.1	23
22	Global insight into N-glycome and N-glycoproteome of three most abundant snake venoms in Asia. Chemical Research in Chinese Universities, 2014, 30, 726-730.	2.6	1
23	Discovery and Confirmation of O-GlcNAcylated Proteins in Rat Liver Mitochondria by Combination of Mass Spectrometry and Immunological Methods. PLoS ONE, 2013, 8, e76399.	2.5	35
24	Enhanced N-glycosylation site exploitation of sialoglycopeptides by peptide IPG-IEF assisted TiO2 chromatography. Glycoconjugate Journal, 2012, 29, 433-443.	2.7	11
25	Microfluidic freeâ€flow paper electrochromatography for continuous separation of glycans. ChemElectroChem, 0, , .	3.4	0