

Wei-Qian Cao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

854
citations

759233

12
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docs citations

31
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	pGlyco 2.0 enables precision N-glycoproteomics with comprehensive quality control and one-step mass spectrometry for intact glycopeptide identification. <i>Nature Communications</i> , 2017, 8, 438.	12.8	250
2	pGlyco: a pipeline for the identification of intact N-glycopeptides by using HCD- and CID-MS/MS and MS3. <i>Scientific Reports</i> , 2016, 6, 25102.	3.3	84
3	Precise, fast and comprehensive analysis of intact glycopeptides and modified glycans with pGlyco3. <i>Nature Methods</i> , 2021, 18, 1515-1523.	19.0	79
4	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , 2021, 18, 1304-1316.	19.0	74
5	Recent Advances in Software Tools for More Generic and Precise Intact Glycopeptide Analysis. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100060.	3.8	71
6	Discovery and Confirmation of O-GlcNAcylated Proteins in Rat Liver Mitochondria by Combination of Mass Spectrometry and Immunological Methods. <i>PLoS ONE</i> , 2013, 8, e76399.	2.5	35
7	Effective Enrichment Strategy Using Boronic Acid-Functionalized Mesoporous Graphene/Silica Composites for Intact N- and O-Linked Glycopeptide Analysis in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 6682-6691.	6.5	29
8	Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines. <i>Glycoconjugate Journal</i> , 2016, 33, 405-415.	2.7	25
9	Novel methods in glycomics: a 2019 update. <i>Expert Review of Proteomics</i> , 2020, 17, 11-25.	3.0	25
10	Glycan reducing end dual isotopic labeling (GREDIL) for mass spectrometry-based quantitative N-glycomics. <i>Chemical Communications</i> , 2015, 51, 13603-13606.	4.1	23
11	GproDIA enables data-independent acquisition glycoproteomics with comprehensive statistical control. <i>Nature Communications</i> , 2021, 12, 6073.	12.8	23
12	Highly Selective Enrichment of Glycopeptides Based on Zwitterionically Functionalized Soluble Nanopolymers. <i>Scientific Reports</i> , 2016, 6, 29776.	3.3	22
13	Straightforward and Highly Efficient Strategy for Hepatocellular Carcinoma Glycoprotein Biomarker Discovery Using a Nonglycopeptide-Based Mass Spectrometry Pipeline. <i>Analytical Chemistry</i> , 2019, 91, 12435-12443.	6.5	14
14	Locus-specific Retention Predictor (LsRP): A Peptide Retention Time Predictor Developed for Precision Proteomics. <i>Scientific Reports</i> , 2017, 7, 43959.	3.3	13
15	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. <i>Talanta</i> , 2019, 199, 254-261.	5.5	12
16	OGP: A Repository of Experimentally Characterized O-glycoproteins to Facilitate Studies on O-glycosylation. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 611-618.	6.9	12
17	Enhanced N-glycosylation site exploitation of sialoglycopeptides by peptide IPC-IEF assisted TiO ₂ chromatography. <i>Glycoconjugate Journal</i> , 2012, 29, 433-443.	2.7	11
18	An ultrafast and highly efficient enrichment method for both N-Glycopeptides and N-Glycans by bacterial cellulose. <i>Analytica Chimica Acta</i> , 2020, 1140, 60-68.	5.4	10

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19	Development of a Computational Tool for Automated Interpretation of Intact <i>O</i> -Glycopeptide Tandem Mass Spectra from Single Proteins. <i>Analytical Chemistry</i> , 2020, 92, 6777-6784.	6.5	9
20	Mapping and analyzing the human liver proteome: progress and potential. <i>Expert Review of Proteomics</i> , 2016, 13, 833-843.	3.0	7
21	Aperture-controllable nano-electrospray emitter and its application in cardiac proteome analysis. <i>Talanta</i> , 2020, 207, 120340.	5.5	3
22	Glycoengineering of NK Cells with Glycan Ligands of CD22 and Selectins for B-Cell Lymphoma Therapy. <i>Angewandte Chemie</i> , 2021, 133, 3647-3654.	2.0	2
23	Global insight into N-glycome and N-glycoproteome of three most abundant snake venoms in Asia. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 726-730.	2.6	1
24	gQuant, an Automated Tool for Quantitative Glycomic Data Analysis. <i>Frontiers in Chemistry</i> , 2021, 9, 707738.	3.6	0
25	Microfluidic free-flow paper electrochromatography for continuous separation of glycans. <i>ChemElectroChem</i> , 0, , .	3.4	0