Wenjing Peng

List of Publications by Year in descending order

36 papers	902 citations	516710 16 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	770 citing authors

#	Article	IF	Citations
1	Characterization of isomeric glycan structures by LCâ€MS/MS. Electrophoresis, 2017, 38, 2100-2114.	2.4	123
2	Isomeric Separation of Permethylated Glycans by Porous Graphitic Carbon (PGC)-LC-MS/MS at High Temperatures. Analytical Chemistry, 2017, 89, 6590-6597.	6.5	96
3	Advances in mass spectrometryâ€based glycoproteomics. Electrophoresis, 2018, 39, 3104-3122.	2.4	75
4	Advances in mass spectrometryâ€based glycomics. Electrophoresis, 2018, 39, 3063-3081.	2.4	72
5	Revealing the Biological Attributes of N-Glycan Isomers in Breast Cancer Brain Metastasis Using Porous Graphitic Carbon (PGC) Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS). Journal of Proteome Research, 2019, 18, 3731-3740.	3.7	44
6	Clinical application of quantitative glycomics. Expert Review of Proteomics, 2018, 15, 1007-1031.	3.0	40
7	MSâ€based glycomics and glycoproteomics methods enabling isomeric characterization. Mass Spectrometry Reviews, 2023, 42, 577-616.	5.4	40
8	Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. Current Pharmaceutical Biotechnology, 2016, 17, 788-801.	1.6	31
9	Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium Staphylococcus aureus: A Proteomic Characterization. Journal of Proteome Research, 2017, 16, 2579-2586.	3.7	30
10	Carbon Nanoparticles and Graphene Nanosheets as MALDI Matrices in Glycomics: a New Approach to Improve Glycan Profiling in Biological Samples. Journal of the American Society for Mass Spectrometry, 2018, 29, 1892-1900.	2.8	30
11	Protein Expression Analysis of an In Vitro Murine Model of Prostate Cancer Progression: Towards Identification of High-Potential Therapeutic Targets. Journal of Personalized Medicine, 2020, 10, 83.	2.5	25
12	8-plex LCâ€“MS/MS Analysis of Permethylated N-Glycans Achieved by Using Stable Isotopic Iodomethane. Analytical Chemistry, 2019, 91, 11794-11802.	6.5	24
13	Integrated Transcriptomics, Proteomics, and Glycomics Reveals the Association between Up-regulation of Sialylated N-glycans/Integrin and Breast Cancer Brain Metastasis. Scientific Reports, 2019, 9, 17361.	3.3	23
14	Comparative membrane proteomics analyses of breast cancer cell lines to understand the molecular mechanism of breast cancer brain metastasis. Electrophoresis, 2017, 38, 2124-2134.	2.4	21
15	Glucose unit index (GUI) of permethylated glycans for effective identification of glycans and glycan isomers. Analyst, The, 2020, 145, 6656-6667.	3.5	21
16	Advances in mass spectrometryâ€based glycomicsâ€”An update covering the period 2017â€“2021. Electrophoresis, 2022, 43, 119-142.	2.4	21
17	Enhanced Quantitative LC-MS/MS Analysis of N-linked Glycans Derived from Glycoproteins Using Sodium Deoxycholate Detergent. Journal of Proteome Research, 2018, 17, 2668-2678.	3.7	19
18	Advances in mass spectrometryâ€based glycoproteomics: An update covering the period 2017â€“2021. Electrophoresis, 2022, 43, 370-387.	2.4	19

#	Article	IF	Citations
19	N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. Microbial Ecology, 2020, 80, 223-236.	2.8	17
20	Direct Comparison of N-Glycans and Their Isomers Derived from Spike Glycoprotein 1 of MERS-CoV, SARS-CoV-1, and SARS-CoV-2. Journal of Proteome Research, 2021, 20, 4357-4365.	3.7	17
21	Separation of Permethylated O-Glycans, Free Oligosaccharides, and Glycosphingolipid-Glycans Using Porous Graphitized Carbon (PGC) Column. Metabolites, 2020, 10, 433.	2.9	16
22	Comparative Membrane N-Glycomics of Different Breast Cancer Cell Lines To Understand Breast Cancer Brain Metastasis. Journal of Proteome Research, 2020, 19, 854-863.	3.7	14
23	Characterization of glycan isomers using magnetic carbon nanoparticles as a MALDI co-matrix. RSC Advances, 2019, 9, 20137-20148.	3.6	13
24	Glycomic and Glycoproteomic Techniques in Neurodegenerative Disorders and Neurotrauma: Towards Personalized Markers. Cells, 2022, 11, 581.	4.1	13
25	A carbon nanoparticlesâ€based solidâ€phase purification method facilitating sensitive MALDIâ€“MS analysis of permethylated Nâ€glycans. Electrophoresis, 2018, 39, 3087-3095.	2.4	12
26	Salmonella enterica serovar Typhimurium chitinases modulate the intestinal glycome and promote small intestinal invasion. PLoS Pathogens, 2022, 18, e1010167.	4.7	11
27	Isomeric separation of permethylated glycans by extra-long reversed-phase liquid chromatography (RPLC)-MS/MS. Analyst, The, 2022, , .	3.5	10
28	Analysis of NIST Monoclonal Antibody Reference Material Glycosylation Using the LCâ€“MS/MS-Based Glycoproteomic Approach. Journal of Proteome Research, 2021, 20, 818-830.	3.7	6
29	Glycome Profiling of Cancer Cell Lines Cultivated in Physiological and Commercial Media. Biomolecules, 2022, 12, 743.	4.0	4
30	Heat Stress of Algal Partner Hinders Colonization Success and Alters the Algal Cell Surface Glycome in a Cnidarian-Algal Symbiosis. Microbiology Spectrum, 2022, 10, .	3.0	4
31	A general new method for calculating the molecular nonpolar surface for analysis of LC-MS data. International Journal of Mass Spectrometry, 2021, 461, 116495.	1.5	3
32	LC-MS/MS in glycomics and glycoproteomics analyses. , 2021, , 391-441.		3
33	Object classification in analytical chemistry via dataâ€driven discovery of partial differential equations. Computational and Mathematical Methods, 2021, 3, e1164.	0.8	2
34	Determination of Isomeric Glycan Structures by Permethylation and Liquid Chromatographyâ€“Mass Spectrometry (LC-MS). Methods in Molecular Biology, 2021, 2271, 281-301.	0.9	1
35	GlycanGUI: Automated Glycan Annotation and Quantification Using Glucose Unit Index. Frontiers in Chemistry, 2021, 9, 707382.	3.6	1
36	A Reciprocal Best-hit Approach to Characterize Isomeric N-Glycans Using Tandem Mass Spectrometry. Analytical Chemistry, 2022, 94, 10003-10010.	6.5	1