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	MSâ€based glycomics and glycoproteomics methods enabling isomeric characterization. Mass Spectrometry Reviews, 2023, 42, 577-616.	5.4	40
2	Advances in mass spectrometryâ€based glycomicsâ€"An update covering the period 2017â€"2021. Electrophoresis, 2022, 43, 119-142.	2.4	21
3	Advances in mass spectrometryâ€based glycoproteomics: An update covering the period 2017â€"2021. Electrophoresis, 2022, 43, 370-387.	2.4	19
4	Glycomic and Glycoproteomic Techniques in Neurodegenerative Disorders and Neurotrauma: Towards Personalized Markers. Cells, 2022, 11, 581.	4.1	13
5	Isomeric separation of permethylated glycans by extra-long reversed-phase liquid chromatography (RPLC)-MS/MS. Analyst, The, 2022, , .	3.5	10
6	Salmonella enterica serovar Typhimurium chitinases modulate the intestinal glycome and promote small intestinal invasion. PLoS Pathogens, 2022, 18, e1010167.	4.7	11
7	Glycome Profiling of Cancer Cell Lines Cultivated in Physiological and Commercial Media. Biomolecules, 2022, 12, 743.	4.0	4
8	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
9	A Reciprocal Best-hit Approach to Characterize Isomeric *N*-Glycans Using Tandem Mass Spectrometry. Analytical Chemistry, 2022, 94, 10003-10010.	6.5	1
10	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
11	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
12	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
13	Object classification in analytical chemistry via dataâ€driven discovery of partial differential equations. Computational and Mathematical Methods, 2021, 3, e1164.	0.8	2
14	GlycanGUI: Automated Glycan Annotation and Quantification Using Glucose Unit Index. Frontiers in Chemistry, 2021, 9, 707382.	3.6	1
15	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
16	LC-MS/MS in glycomics and glycoproteomics analyses. , 2021, , 391-441.		3
17	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
18	Glucose unit index (GUI) of permethylated glycans for effective identification of glycans and glycan isomers. Analyst, The, 2020, 145, 6656-6667.	3.5	21

#	ARTICLE	IF	CITATIONS
19	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
20	Separation of Permethylated O-Glycans, Free Oligosaccharides, and Glycosphingolipid-Glycans Using Porous Graphitized Carbon (PGC) Column. Metabolites, 2020, 10, 433.	2.9	16
21	N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. Microbial Ecology, 2020, 80, 223-236.	2.8	17
22	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
23	Characterization of glycan isomers using magnetic carbon nanoparticles as a MALDI co-matrix. RSC Advances, 2019, 9, 20137-20148.	3.6	13
24	8-plex LC–MS/MS Analysis of Permethylated *N*-Glycans Achieved by Using Stable Isotopic Iodomethane. Analytical Chemistry, 2019, 91, 11794-11802.	6.5	24
25	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
26	Clinical application of quantitative glycomics. Expert Review of Proteomics, 2018, 15, 1007-1031.	3.0	40
27	Advances in mass spectrometry–based glycoproteomics. Electrophoresis, 2018, 39, 3104-3122.	2.4	75
28	Advances in mass spectrometry–based glycomics. Electrophoresis, 2018, 39, 3063-3081.	2.4	72
29	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
30	A carbon nanoparticles–based solid–phase purification method facilitating sensitive MALDI–MS analysis of permethylated *N*–glycans. Electrophoresis, 2018, 39, 3087-3095.	2.4	12
31	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
32	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
33	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
34	Multitargeted Flavonoid Inhibition of the Pathogenic Bacterium *Staphylococcus aureus*: A Proteomic Characterization. Journal of Proteome Research, 2017, 16, 2579-2586.	3.7	30
35	Characterization of isomeric glycan structures by LC–MS/MS. Electrophoresis, 2017, 38, 2100-2114.	2.4	123
36	Characterization of Pharmaceutical IgG and Biosimilars Using Miniaturized Platforms and LC-MS/MS. Current Pharmaceutical Biotechnology, 2016, 17, 788-801.	1.6	31