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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9638788/publications.pdf

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34 papers	2,330 citations	257450 24 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	2814 citing authors

#	Article	IF	Citations
1	Human plasma protein N-glycosylation. Glycoconjugate Journal, 2016, 33, 309-343.	2.7	325
2	High-Throughput Profiling of Protein N-Glycosylation by MALDI-TOF-MS Employing Linkage-Specific Sialic Acid Esterification. Analytical Chemistry, 2014, 86, 5784-5793.	6.5	298
3	Immunoglobulin G (IgG) Fab Glycosylation Analysis Using a New Mass Spectrometric High-throughput Profiling Method Reveals Pregnancy-associated Changes. Molecular and Cellular Proteomics, 2014, 13, 3029-3039.	3.8	216
4	Subclass-specific IgG glycosylation is associated with markers of inflammation and metabolic health. Scientific Reports, 2017, 7, 12325.	3.3	123
5	Linkage-Specific Sialic Acid Derivatization for MALDI-TOF-MS Profiling of IgG Glycopeptides. Analytical Chemistry, 2015, 87, 8284-8291.	6.5	112
6	MassyTools: A High-Throughput Targeted Data Processing Tool for Relative Quantitation and Quality Control Developed for Glycomic and Glycoproteomic MALDI-MS. Journal of Proteome Research, 2015, 14, 5088-5098.	3.7	107
7	Changes in Healthy Human IgG Fc-Glycosylation after Birth and during Early Childhood. Journal of Proteome Research, 2016, 15, 1853-1861.	3.7	91
8	The benefits of hybrid fragmentation methods for glycoproteomics. TrAC - Trends in Analytical Chemistry, 2018, 108, 260-268.	11.4	88
9	High-Throughput Analysis and Automation for Glycomics Studies. Chromatographia, 2015, 78, 321-333.	1.3	84
10	Automation of High-Throughput Mass Spectrometry-Based Plasma N-Glycome Analysis with Linkage-Specific Sialic Acid Esterification. Journal of Proteome Research, 2015, 14, 4080-4086.	3.7	81
11	Automated High-Throughput Permethylation for Glycosylation Analysis of Biologics Using MALDI-TOF-MS. Analytical Chemistry, 2016, 88, 8562-8569.	6.5	69
12	Meta-heterogeneity: Evaluating and Describing the Diversity in Glycosylation Between Sites on the Same Glycoprotein. Molecular and Cellular Proteomics, 2021, 20, 100010.	3.8	60
13	Human Plasma N-glycosylation as Analyzed by Matrix-Assisted Laser Desorption/Ionization-Fourier Transform Ion Cyclotron Resonance-MS Associates with Markers of Inflammation and Metabolic Health. Molecular and Cellular Proteomics, 2017, 16, 228-242.	3.8	58
14	The N-Glycosylation of Mouse Immunoglobulin G (IgG)-Fragment Crystallizable Differs Between IgG Subclasses and Strains. Frontiers in Immunology, 2017, 8, 608.	4.8	58
15	Pregnancy-associated serum N-glycome changes studied by high-throughput MALDI-TOF-MS. Scientific Reports, 2016, 6, 23296.	3.3	54
16	Plasma N-Glycome Signature of Down Syndrome. Journal of Proteome Research, 2015, 14, 4232-4245.	3.7	51
17	Plasma protein N-glycan signatures of type 2 diabetes. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2613-2622.	2.4	50
18	Improved in vivo anti-tumor effects of IgA-Her2 antibodies through half-life extension and serum exposure enhancement by FcRn targeting. MAbs, 2016, 8, 87-98.	5.2	47

#	Article	IF	Citations
19	Serum Protein N-Glycosylation Changes with Rheumatoid Arthritis Disease Activity during and after Pregnancy. Frontiers in Medicine, 2017, 4, 241.	2.6	44
20	A comparison of anti-HER2 IgA and IgG1 in vivo efficacy is facilitated by high N-glycan sialylation of the IgA. MAbs, 2016, 8, 74-86.	5.2	39
21	Neutrophil myeloperoxidase harbors distinct site-specific peculiarities in its glycosylation. Journal of Biological Chemistry, 2019, 294, 20233-20245.	3.4	35
22	MALDI-TOF-MS reveals differential N-linked plasma- and IgG-glycosylation profiles between mothers and their newborns. Scientific Reports, 2016, 6, 34001.	3.3	31
23	DNA hypomethylation upregulates expression of the MGAT3 gene in HepG2 cells and leads to changes in N-glycosylation of secreted glycoproteins. Scientific Reports, 2016, 6, 24363.	3.3	26
24	Ethyl Esterification for MALDI-MS Analysis of Protein Glycosylation. Methods in Molecular Biology, 2016, 1394, 151-162.	0.9	25
25	Murine Plasma N-Glycosylation Traits Associated with Sex and Strain. Journal of Proteome Research, 2016, 15, 3489-3499.	3.7	24
26	Monitoring Human Milk Î²-Casein Phosphorylation and O-Glycosylation Over Lactation Reveals Distinct Differences between the Proteome and Endogenous Peptidome. International Journal of Molecular Sciences, 2021, 22, 8140.	4.1	23
27	Acute phase inflammation is characterized by rapid changes in plasma/peritoneal fluid N-glycosylation in mice. Glycoconjugate Journal, 2016, 33, 457-470.	2.7	18
28	Reformatting palivizumab and motavizumab from IgG to human IgA impairs their efficacy against RSV infection in vitro and in vivo. MAbs, 2018, 10, 453-462.	5.2	17
29	Differences in IgG Fc Glycosylation Are Associated with Outcome of Pediatric Meningococcal Sepsis. MBio, 2018, 9, .	4.1	17
30	Neutrophil azurophilic granule glycoproteins are distinctively decorated by atypical pauci- and phosphomannose glycans. Communications Biology, 2021, 4, 1012.	4.4	16
31	IgG and IgM glycosylation patterns in patients undergoing image-guided tumor ablation. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1786-1794.	2.4	13
32	Effluent and serum protein N-glycosylation is associated with inflammation and peritoneal membrane transport characteristics in peritoneal dialysis patients. Scientific Reports, 2018, 8, 979.	3.3	12
33	Detection of Bacterial Î±-l-Fucosidases with an Ortho-Quinone Methide-Based Probe and Mapping of the Probe-Protein Adducts. Molecules, 2022, 27, 1615.	3.8	9
34	Sialic Acid Derivatization for the Rapid Subclass- and Sialic Acid Linkage-Specific MALDI-TOF-MS Analysis of IgG Fc-Glycopeptides. Methods in Molecular Biology, 2017, 1503, 49-62.	0.9	6