

# Manfred Wuhrer

## List of Publications by Year in descending order

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Version: 2024-02-01

393  
papers

23,545  
citations

5558

82  
h-index

16127

124  
g-index

417  
all docs

417  
docs citations

417  
times ranked

16125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic predisposition (HLA-SE) is associated with ACPA-IgG variable domain glycosylation in the predisease phase of RA. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 141-143.	0.5	11
2	High sensitivity glycomics in biomedicine. <i>Mass Spectrometry Reviews</i> , 2022, 41, 1014-1039.	2.8	9
3	Lipopolysaccharide O-antigen molecular and supramolecular modifications of plant root microbiota are pivotal for host recognition. <i>Carbohydrate Polymers</i> , 2022, 277, 118839.	5.1	9
4	Analysis of the glyco-code in pancreatic ductal adenocarcinoma identifies glycan-mediated immune regulatory circuits. <i>Communications Biology</i> , 2022, 5, 41.	2.0	8
5	Antibody glycosylation in COVID-19. <i>Glycoconjugate Journal</i> , 2022, 39, 335-344.	1.4	10
6	Prevention of Fetal/Neonatal Alloimmune Thrombocytopenia in Mice: Biochemical and Cell Biological Characterization of Isoforms of a Human Monoclonal Antibody. <i>ImmunoHorizons</i> , 2022, 6, 90-103.	0.8	2
7	Detailed Analytical Characterization of a Bispecific IgG1 CrossMab Antibody of the Knob-into-Hole Format Applying Various Stress Conditions Revealed Pronounced Stability. <i>ACS Omega</i> , 2022, 7, 3671-3679.	1.6	6
8	Studying protein structure and function by native separationâ€“mass spectrometry. <i>Nature Reviews Chemistry</i> , 2022, 6, 215-231.	13.8	27
9	Native Liquid Chromatography and Mass Spectrometry to Structurally and Functionally Characterize Endo-Xylanase Proteoforms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1307.	1.8	4
10	Differential <i>N</i> - and <i>O</i> -glycosylation signatures of HIVâ€“1 Gag virusâ€“like particles and coproduced extracellular vesicles. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1207-1221.	1.7	3
11	Transforming growth factor- $\beta$ challenge alters the N-, O-, and $\beta$ -glycosphingolipid glycomes in PaTu-S pancreatic adenocarcinoma cells. <i>Journal of Biological Chemistry</i> , 2022, 298, 101717.	1.6	4
12	IgG Antiâ€“Citruillinated Protein Antibody Variable Domain Glycosylation Increases Before the Onset of Rheumatoid Arthritis and Stabilizes Thereafter: A Crossâ€“Sectional Study Encompassing ~1,500 Samples. <i>Arthritis and Rheumatology</i> , 2022, 74, 1147-1158.	2.9	23
13	Glycosphingolipid-Glycan Signatures of Acute Myeloid Leukemia Cell Lines Reflect Hematopoietic Differentiation. <i>Journal of Proteome Research</i> , 2022, 21, 1029-1040.	1.8	7
14	Fc galactosylation of anti-platelet human IgG1 alloantibodies enhances complement activation on platelets. <i>Haematologica</i> , 2022, 107, 2432-2444.	1.7	17
15	Glycan and Protein Analysis of Glycoengineered Bacterial <i>E. coli</i> Vaccines by MALDI-in-Source Decay FT-ICR Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 4979-4987.	3.2	8
16	High-Mannose N-Glycans as Malignant Progression Markers in Early-Stage Colorectal Cancer. <i>Cancers</i> , 2022, 14, 1552.	1.7	30
17	Immunoglobulin G1 Fc glycosylation as an early hallmark of severe COVID-19. <i>EBioMedicine</i> , 2022, 78, 103957.	2.7	33
18	Developments and perspectives in high-throughput protein glycomics: enabling the analysis of thousands of samples. <i>Glycobiology</i> , 2022, 32, 651-663.	1.3	24

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19	Surface Ig variable domain glycosylation affects autoantigen binding and acts as threshold for human autoreactive B cell activation. <i>Science Advances</i> , 2022, 8, eabm1759.	4.7	30
20	Definition of IgG Subclass-Specific Glycopatterns in Idiopathic Membranous Nephropathy: Aberrant IgG Glycoforms in Blood. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4664.	1.8	7
21	High Diversity of Glycosphingolipid Glycans of Colorectal Cancer Cell Lines Reflects the Cellular Differentiation Phenotype. <i>Molecular and Cellular Proteomics</i> , 2022, 21, 100239.	2.5	9
22	Sialic Acid Derivatization of Fluorescently Labeled N-Glycans Allows Linkage Differentiation by Reversed-Phase Liquid Chromatography–Fluorescence Detection–Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 6639-6648.	3.2	10
23	PHGDH heterogeneity potentiates cancer cell dissemination and metastasis. <i>Nature</i> , 2022, 605, 747-753.	13.7	77
24	Immunoassay for quantification of antigen-specific IgG fucosylation. <i>EBioMedicine</i> , 2022, 81, 104109.	2.7	7
25	High-Throughput Glycomic Methods. <i>Chemical Reviews</i> , 2022, 122, 15865-15913.	23.0	30
26	Colorectal cancer cell lines show striking diversity of their O-glycome reflecting the cellular differentiation phenotype. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 337-350.	2.4	34
27	Role of glycosylation in TGF- $\beta$ 2 signaling and epithelial-to-mesenchymal transition in cancer. <i>Protein and Cell</i> , 2021, 12, 89-106.	4.8	40
28	IgG Fc N-Glycosylation Translates MHCII Haplotype into Autoimmune Skin Disease. <i>Journal of Investigative Dermatology</i> , 2021, 141, 285-294.	0.3	12
29	N-Glycomic Signature of Stage II Colorectal Cancer and Its Association With the Tumor Microenvironment. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100057.	2.5	42
30	Anion exchange chromatography – Mass spectrometry for monitoring multiple quality attributes of erythropoietin biopharmaceuticals. <i>Analytica Chimica Acta</i> , 2021, 1143, 166-172.	2.6	17
31	The SPPL3-Defined Glycosphingolipid Repertoire Orchestrates HLA Class I-Mediated Immune Responses. <i>Immunity</i> , 2021, 54, 132-150.e9.	6.6	52
32	Afucosylated IgG characterizes enveloped viral responses and correlates with COVID-19 severity. <i>Science</i> , 2021, 371, .	6.0	244
33	Sheathless CE-MS as a tool for monitoring exchange efficiency and stability of bispecific antibodies. <i>Electrophoresis</i> , 2021, 42, 171-176.	1.3	9
34	High-throughput glycopeptide profiling of prostate-specific antigen from seminal plasma by MALDI-MS. <i>Talanta</i> , 2021, 222, 121495.	2.9	12
35	Sugar Matters: Improving In Vivo Clearance Rate of Highly Glycosylated Recombinant Plasma Proteins for Therapeutic Use. <i>Pharmaceuticals</i> , 2021, 14, 54.	1.7	0
36	The structure and role of lactone intermediates in linkage-specific sialic acid derivatization reactions. <i>Glycoconjugate Journal</i> , 2021, 38, 157-166.	1.4	6

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37	Human Gb3/CD77 synthase produces P1 glycotope-capped N-glycans, which mediate Shiga toxin 1 but not Shiga toxin 2 cell entry. <i>Journal of Biological Chemistry</i> , 2021, 296, 100299.	1.6	9
38	Glycosylation analysis. , 2021, , 65-92.		0
39	Site-Specific <i>N</i> -Linked Glycosylation Analysis of Human Carcinoembryonic Antigen by Sheathless Capillary Electrophoresis-Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2021, 20, 1666-1675.	1.8	24
40	Clinical Perspective on Proteomic and Glycomic Biomarkers for Diagnosis, Prognosis, and Prediction of Pancreatic Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2655.	1.8	14
41	Altered glycosylation of IgG4 promotes lectin complement pathway activation in anti-PLA2R1-associated membranous nephropathy. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	94
42	Functional monovalency amplifies the pathogenicity of anti-MuSK IgG4 in myasthenia gravis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	28
43	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 4666-4675.	3.2	19
44	Serum N-glycan profiles differ for various breast cancer subtypes. <i>Glycoconjugate Journal</i> , 2021, 38, 387-395.	1.4	10
45	Profiling the proteoforms of urinary prostate-specific antigen by capillary electrophoresis mass spectrometry. <i>Journal of Proteomics</i> , 2021, 238, 104148.	1.2	12
46	Serum and Plasma Immunoglobulin G Fc N-Glycosylation Is Stable during Storage. <i>Journal of Proteome Research</i> , 2021, 20, 2935-2941.	1.8	6
47	Terminal $\alpha$ 2,6-sialylation of epidermal growth factor receptor modulates antibody therapy response of colorectal cancer cells. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 835-850.	2.1	24
48	Structural and Functional Characterization of SARS-CoV-2 RBD Domains Produced in Mammalian Cells. <i>Analytical Chemistry</i> , 2021, 93, 6839-6847.	3.2	39
49	Dopant-Enriched Nitrogen Gas for Enhanced Electrospray Ionization of Released Glycans in Negative Ion Mode. <i>Analytical Chemistry</i> , 2021, 93, 6919-6923.	3.2	14
50	Oxonium Ion Guided Analysis of Quantitative Proteomics Data Reveals Site-Specific O-Glycosylation of Anterior Gradient Protein 2 (AGR2). <i>International Journal of Molecular Sciences</i> , 2021, 22, 5369.	1.8	5
51	ST6Gal1 targets the ectodomain of ErbB2 in a site-specific manner and regulates gastric cancer cell sensitivity to trastuzumab. <i>Oncogene</i> , 2021, 40, 3719-3733.	2.6	27
52	Afucosylated IgG Targets Fc $\gamma$ RIV for Enhanced Tumor Therapy in Mice. <i>Cancers</i> , 2021, 13, 2372.	1.7	7
53	Large-Scale Analysis of Apolipoprotein CIII Glycosylation by Ultrahigh Resolution Mass Spectrometry. <i>Frontiers in Chemistry</i> , 2021, 9, 678883.	1.8	9
54	High titers and low fucosylation of early human anti-SARS-CoV-2 IgG promote inflammation by alveolar macrophages. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	166

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55	O- and N-Glycosylation of Serum Immunoglobulin A is Associated with IgA Nephropathy and Glomerular Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 2455-2465.	3.0	33
56	A semi-automated, high throughput approach for O-glycosylation profiling of in vitro established cancer cell lines by MALDI-FT-ICR MS. <i>Glycoconjugate Journal</i> , 2021, , 1.	1.4	1
57	Aberrant glycosylation of anti-SARS-CoV-2 spike IgG is a prothrombotic stimulus for platelets. <i>Blood</i> , 2021, 138, 1481-1489.	0.6	66
58	Fc Galactosylation Promotes Hexamerization of Human IgG1, Leading to Enhanced Classical Complement Activation. <i>Journal of Immunology</i> , 2021, 207, 1545-1554.	0.4	56
59	Association of Antibody-Dependent Neutrophil Phagocytosis With Distinct Antibody Glycosylation Profiles Following Typhoid Vaccination. <i>Frontiers in Tropical Diseases</i> , 2021, 2, .	0.5	2
60	Native Structural and Functional Proteoform Characterization of the Prolyl-Alanyl-Specific Endoprotease EndoPro from <i>Aspergillus niger</i> . <i>Journal of Proteome Research</i> , 2021, 20, 4875-4885.	1.8	8
61	Protein Mannosylation as a Diagnostic and Prognostic Biomarker of Lupus Nephritis: An Unusual Glycan Neopeptide in Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2021, 73, 2069-2077.	2.9	15
62	Glycoform analysis of intact erythropoietin by MALDI FT-ICR mass spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1185, 339084.	2.6	5
63	Glycoform-resolved pharmacokinetic studies in a rat model employing glycoengineered variants of a therapeutic monoclonal antibody. <i>MAbs</i> , 2021, 13, 1865596.	2.6	23
64	Fc gamma receptor IIIb binding of individual antibody proteoforms resolved by affinity chromatography-mass spectrometry. <i>MAbs</i> , 2021, 13, 1982847.	2.6	11
65	Plasma protein N-glycosylation is associated with cardiovascular disease, nephropathy, and retinopathy in type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002345.	1.2	14
66	Biophysical Evaluation of Rhesus Macaque Fc Gamma Receptors Reveals Similar IgG Fc Glycoform Preferences to Human Receptors. <i>Frontiers in Immunology</i> , 2021, 12, 754710.	2.2	8
67	Afucosylated Plasmodium falciparum-specific IgG is induced by infection but not by subunit vaccination. <i>Nature Communications</i> , 2021, 12, 5838.	5.8	36
68	Integrated N- and O-Glycomics of Acute Myeloid Leukemia (AML) Cell Lines. <i>Cells</i> , 2021, 10, 3058.	1.8	7
69	Affinity Capillary Electrophoresis-Mass Spectrometry as a Tool to Unravel Proteoform-Specific Antibody-Receptor Interactions. <i>Analytical Chemistry</i> , 2021, 93, 15133-15141.	3.2	15
70	Glycation Interferes with the Expression of Sialyltransferases in Meningiomas. <i>Cells</i> , 2021, 10, 3298.	1.8	1
71	A functional spleen contributes to afucosylated IgG in humans. <i>Scientific Reports</i> , 2021, 11, 24045.	1.6	4
72	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	2.5	87

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73	Monitoring of immunoglobulin N- and O-glycosylation in health and disease. <i>Glycobiology</i> , 2020, 30, 226-240.	1.3	75
74	IgG Fc glycosylation as an axis of humoral immunity in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 710-713.e9.	1.5	27
75	Monitoring glycation levels of a bispecific monoclonal antibody at subunit level by ultrahigh-resolution MALDI FT-ICR mass spectrometry. <i>MAbs</i> , 2020, 12, 1682403.	2.6	30
76	Characterization of Macrophage Galactose-type Lectin (MGL) ligands in colorectal cancer cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129513.	1.1	22
77	IgA subclasses have different effector functions associated with distinct glycosylation profiles. <i>Nature Communications</i> , 2020, 11, 120.	5.8	141
78	O- and N-glycosylation analysis of cell lines by ultrahigh resolution MALDI-FTICR-MS. <i>International Journal of Mass Spectrometry</i> , 2020, 448, 116267.	0.7	6
79	Intact and subunit-specific analysis of bispecific antibodies by sheathless CE-MS. <i>Analytica Chimica Acta</i> , 2020, 1134, 18-27.	2.6	28
80	MS-Based Allotype-Specific Analysis of Polyclonal IgG-Fc N-Glycosylation. <i>Frontiers in Immunology</i> , 2020, 11, 2049.	2.2	17
81	N-Glycoproteins Have a Major Role in MGL Binding to Colorectal Cancer Cell Lines: Associations with Overall Proteome Diversity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5522.	1.8	11
82	Prominent members of the human gut microbiota express endo-acting O-glycanases to initiate mucin breakdown. <i>Nature Communications</i> , 2020, 11, 4017.	5.8	81
83	Mass spectrometry in clinical glycomics: The path from biomarker identification to clinical implementation. <i>Clinical Mass Spectrometry</i> , 2020, 18, 1-12.	1.9	17
84	Site-Specific Glycosylation Mapping of Fc Gamma Receptor IIIb from Neutrophils of Individual Healthy Donors. <i>Analytical Chemistry</i> , 2020, 92, 13172-13181.	3.2	12
85	Immunoglobulin G Glycoprofiles are Unaffected by Common Bottom-Up Sample Processing. <i>Journal of Proteome Research</i> , 2020, 19, 4158-4162.	1.8	5
86	Serum $\alpha$ -Glycome analysis reveals pancreatic cancer disease signatures. <i>Cancer Medicine</i> , 2020, 9, 8519-8529.	1.3	22
87	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. <i>Blood Advances</i> , 2020, 4, 3875-3885.	2.5	8
88	Improved N- and C-Terminal Sequencing of Proteins by Combining Positive and Negative Ion MALDI In-Source Decay Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 12429-12436.	3.2	7
89	Dissecting Total Plasma and Protein-Specific Glycosylation Profiles in Congenital Disorders of Glycosylation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7635.	1.8	15
90	Differential O- and Glycosphingolipid Glycosylation in Human Pancreatic Adenocarcinoma Cells With Opposite Morphology and Metastatic Behavior. <i>Frontiers in Oncology</i> , 2020, 10, 732.	1.3	16

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91	Glycomics studies using sialic acid derivatization and mass spectrometry. <i>Nature Reviews Chemistry</i> , 2020, 4, 229-242.	13.8	74
92	Evaluation of Sibling and Twin Fragment Ions Improves the Structural Characterization of Proteins by Top-Down MALDI In-Source Decay Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 5871-5881.	3.2	9
93	A Matrix-Assisted Laser Desorption/Ionization <sup>+</sup> Mass Spectrometry Assay for the Relative Quantitation of Antennary Fucosylated N-Glycans in Human Plasma. <i>Frontiers in Chemistry</i> , 2020, 8, 138.	1.8	14
94	Systematic Evaluation of Normalization Methods for Glycomics Data Based on Performance of Network Inference. <i>Metabolites</i> , 2020, 10, 271.	1.3	13
95	IgG Fc sialylation is regulated during the germinal center reaction following immunization with different adjuvants. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 146, 652-666.e11.	1.5	45
96	Monoclonal immunoglobulins promote bone loss in multiple myeloma. <i>Blood</i> , 2020, 136, 2656-2666.	0.6	21
97	Cysteine Aminoethylation Enables the Site-Specific Glycosylation Analysis of Recombinant Human Erythropoietin using Trypsin. <i>Analytical Chemistry</i> , 2020, 92, 9476-9481.	3.2	10
98	Metformin and statin use associate with plasma protein N-glycosylation in people with type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001230.	1.2	8
99	Anti-D monoclonal antibodies from 23 human and rodent cell lines display diverse IgG Fc-glycosylation profiles that determine their clinical efficacy. <i>Scientific Reports</i> , 2020, 10, 1464.	1.6	14
100	Simultaneous Immunoglobulin A and G Glycopeptide Profiling for High-Throughput Applications. <i>Analytical Chemistry</i> , 2020, 92, 4518-4526.	3.2	28
101	IgG-Fc glycosylation before and after rituximab treatment in immune thrombocytopenia. <i>Scientific Reports</i> , 2020, 10, 3051.	1.6	12
102	Natural killer cell activation by respiratory syncytial virus-specific antibodies is decreased in infants with severe respiratory infections and correlates with Fc-glycosylation. <i>Clinical and Translational Immunology</i> , 2020, 9, e1112.	1.7	27
103	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. <i>Science Advances</i> , 2020, 6, eaax0301.	4.7	90
104	Molecular signatures of tumor progression in myxoid liposarcoma identified by N-glycan mass spectrometry imaging. <i>Laboratory Investigation</i> , 2020, 100, 1252-1261.	1.7	20
105	Development of a 96-well plate sample preparation method for integrated N- and O-glycomics using porous graphitized carbon liquid chromatography-mass spectrometry. <i>Molecular Omics</i> , 2020, 16, 355-363.	1.4	47
106	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 and GluK3. <i>EMBO Journal</i> , 2020, 39, e103457.	3.5	20
107	FcγR Binding and ADCC Activity of Human IgG Allotypes. <i>Frontiers in Immunology</i> , 2020, 11, 740.	2.2	101
108	Targeting Glycans and Heavily Glycosylated Proteins for Tumor Imaging. <i>Cancers</i> , 2020, 12, 3870.	1.7	13



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109	Semiautomated glycoproteomics data analysis workflow for maximized glycopeptide identification and reliable quantification. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 3038-3051.	1.3	7
110	Recombinant human monoclonal HLA antibodies of different IgG subclasses recognising the same epitope: Excellent tools to study differential effects of donor-specific antibodies. <i>Hla</i> , 2019, 94, 415-424.	0.4	11
111	OGT Controls the Expression and the Glycosylation of E-cadherin, and Affects Glycosphingolipid Structures in Human Colon Cell Lines. <i>Proteomics</i> , 2019, 19, e1800452.	1.3	11
112	Human DC-SIGN and CD23 do not interact with human IgG. <i>Scientific Reports</i> , 2019, 9, 9995.	1.6	38
113	Glycoform-resolved FcγRIIIa affinity chromatography-mass spectrometry. <i>MAbs</i> , 2019, 11, 1191-1196.	2.6	42
114	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. <i>Nature Communications</i> , 2019, 10, 3275.	5.8	70
115	Characterization and prediction of positional 4-hydroxyproline and sulfotyrosine, two post-translational modifications that can occur at substantial levels in CHO cells-expressed biotherapeutics. <i>MAbs</i> , 2019, 11, 1219-1232.	2.6	19
116	Site-specific N- and O-glycosylation analysis of ataccept. <i>MAbs</i> , 2019, 11, 1053-1063.	2.6	21
117	The Glycosylation Site of Myelin Oligodendrocyte Glycoprotein Affects Autoantibody Recognition in a Large Proportion of Patients. <i>Frontiers in Immunology</i> , 2019, 10, 1189.	2.2	15
118	Dried blood spot N-glycome analysis by MALDI mass spectrometry. <i>Talanta</i> , 2019, 205, 120104.	2.9	19
119	Expanding the Reaction Space of Linkage-Specific Sialic Acid Derivatization. <i>Molecules</i> , 2019, 24, 3617.	1.7	20
120	Paucity of Paucimannosylation Revoked. <i>Proteomics</i> , 2019, 19, e1900244.	1.3	5
121	N-glycome signatures in human plasma: associations with physiology and major diseases. <i>FEBS Letters</i> , 2019, 593, 2966-2976.	1.3	62
122	On the presence of HLA-SE alleles and ACPA-IgG variable domain glycosylation in the phase preceding the development of rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1616-1620.	0.5	35
123	Mo1764 Serum N-Glycomic Biomarkers Predict Treatment Escalation in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2019, 156, S-830.	0.6	0
124	N-linked Glycans in the Variable Domain of IgG Anti-Citrullinated Protein Antibodies Predict the Development of Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2019, 71, 1626-1633.	2.9	80
125	Highly sensitive CE-ESI-MS analysis of N-glycans from complex biological samples. <i>Nature Communications</i> , 2019, 10, 2137.	5.8	90
126	Serum protein N-glycosylation changes in multiple myeloma. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 960-970.	1.1	33



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127	N-Glycomic and Transcriptomic Changes Associated with CDX1 mRNA Expression in Colorectal Cancer Cell Lines. <i>Cells</i> , 2019, 8, 273.	1.8	17
128	DOP10 Serum N-glycomic biomarkers predict treatment escalation in inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , 2019, 13, S032-S033.	0.6	2
129	The Role of Glycosphingolipids in Immune Cell Functions. <i>Frontiers in Immunology</i> , 2019, 10, 90.	2.2	101
130	OPO295â€¦N-LINKED GLYCANS IN THE VARIABLE DOMAIN OF ACPA-IGG IN THE DEVELOPMENT OF RHEUMATOID ARTHRITIS. , 2019, , .		1
131	Functional Attributes of Antibodies, Effector Cells, and Target Cells Affecting NK Cellâ€™Mediated Antibody-Dependent Cellular Cytotoxicity. <i>Journal of Immunology</i> , 2019, 203, 3126-3135.	0.4	54
132	Proteoform-Resolved Fcâ€™IIIa Binding Assay for Fab Glycosylated Monoclonal Antibodies Achieved by Affinity Chromatography Mass Spectrometry of Fc Moieties. <i>Frontiers in Chemistry</i> , 2019, 7, 698.	1.8	17
133	Glycoproteomic Analysis of MGL-Binding Proteins on Acute T-Cell Leukemia Cells. <i>Journal of Proteome Research</i> , 2019, 18, 1125-1132.	1.8	18
134	Structural Analysis of Monoclonal Antibodies by Ultrahigh Resolution MALDI In-Source Decay FT-ICR Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 2079-2085.	3.2	48
135	Improved and semi-automated reductive â†²-elimination workflow for higher throughput protein O-glycosylation analysis. <i>PLoS ONE</i> , 2019, 14, e0210759.	1.1	20
136	Unique patterns of glycosylation in immunoglobulin subclass G4â€™related disease and primary sclerosing cholangitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 1878-1886.	1.4	30
137	High-throughput Serum N-Glycomics: Method Comparison and Application to Study Rheumatoid Arthritis and Pregnancy-associated Changes. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 3-15.	2.5	69
138	Glycosylation of Immunoglobulins Determine Bone Loss in Multiple Myeloma. <i>Blood</i> , 2019, 134, 4324-4324.	0.6	0
139	An In-Depth Glycosylation Assay for Urinary Prostate-Specific Antigen. <i>Analytical Chemistry</i> , 2018, 90, 4414-4421.	3.2	54
140	The glycomic effect of N-acetylglucosaminyltransferase III overexpression in metastatic melanoma cells. GnT-III modifies highly branched N-glycans. <i>Glycoconjugate Journal</i> , 2018, 35, 217-231.	1.4	22
141	Low amounts of bisecting glycans characterize cerebrospinal fluid-borne IgG. <i>Journal of Neuroimmunology</i> , 2018, 320, 19-24.	1.1	4
142	Serum sialylation changes in cancer. <i>Glycoconjugate Journal</i> , 2018, 35, 139-160.	1.4	127
143	ACPA IgG galactosylation associates with disease activity in pregnant patients with rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, annrheumdis-2018-212946.	0.5	31
144	Cutis laxa, exocrine pancreatic insufficiency and altered cellular metabolomics as additional symptoms in a new patient with ATP6AP1-CDG. <i>Molecular Genetics and Metabolism</i> , 2018, 123, 364-374.	0.5	23

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145	Adaptive antibody diversification through N-linked glycosylation of the immunoglobulin variable region. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1901-1906.	3.3	98
146	Effluent and serum protein N-glycosylation is associated with inflammation and peritoneal membrane transport characteristics in peritoneal dialysis patients. Scientific Reports, 2018, 8, 979.	1.6	12
147	N- and O-glycosylation Analysis of Human C1-inhibitor Reveals Extensive Mucin-type O-Glycosylation. Molecular and Cellular Proteomics, 2018, 17, 1225-1238.	2.5	49
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