Manfred Wuhrer

List of Publications by Year
in descending order

393	23,545	5574 82	16183 124
papers	citations	h-index	g-index

417	417	417	16125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic predisposition (HLA-SE) is associated with ACPA-IgG variable domain glycosylation in the predisease phase of RA. Annals of the Rheumatic Diseases, 2022, 81, 141-143.	0.9	11
2	High sensitivity glycomics in biomedicine. Mass Spectrometry Reviews, 2022, 41, 1014-1039.	5.4	9
3	Lipopolysaccharide O-antigen molecular and supramolecular modifications of plant root microbiota are pivotal for host recognition. Carbohydrate Polymers, 2022, 277, 118839.	10.2	9
4	Analysis of the glyco-code in pancreatic ductal adenocarcinoma identifies glycan-mediated immune regulatory circuits. Communications Biology, 2022, 5, 41.	4.4	8
5	Antibody glycosylation in COVID-19. Glycoconjugate Journal, 2022, 39, 335-344.	2.7	10
6	Prevention of Fetal/Neonatal Alloimmune Thrombocytopenia in Mice: Biochemical and Cell Biological Characterization of Isoforms of a Human Monoclonal Antibody. ImmunoHorizons, 2022, 6, 90-103.	1.8	2
7	Detailed Analytical Characterization of a Bispecific IgG1 CrossMab Antibody of the Knob-into-Hole Format Applying Various Stress Conditions Revealed Pronounced Stability. ACS Omega, 2022, 7, 3671-3679.	3.5	6
8	Studying protein structure and function by native separationâ€“mass spectrometry. Nature Reviews Chemistry, 2022, 6, 215-231.	30.2	27
9	Native Liquid Chromatography and Mass Spectrometry to Structurally and Functionally Characterize Endo-Xylanase Proteoforms. International Journal of Molecular Sciences, 2022, 23, 1307.	4.1	4
10	Differential Nâ€•and Oâ€glycosylation signatures of HIVâ€1 Gag virusâ€like particles and coproduced extracellular vesicles. Biotechnology and Bioengineering, 2022, 119, 1207-1221.	3.3	3
11	Transforming growth factor-Î² challenge alters the N-, O-, andÂglycosphingolipid glycomes in PaTu-S pancreatic adenocarcinoma cells. Journal of Biological Chemistry, 2022, 298, 101717.	3.4	4
12	IgG Antiâ€“Citrullinated Protein Antibody Variable Domain Glycosylation Increases Before the Onset of Rheumatoid Arthritis and Stabilizes Thereafter: A Crossâ€Sectional Study Encompassing ~1,500 Samples. Arthritis and Rheumatology, 2022, 74, 1147-1158.	5.6	23
13	Glycosphingolipid-Glycan Signatures of Acute Myeloid Leukemia Cell Lines Reflect Hematopoietic Differentiation. Journal of Proteome Research, 2022, 21, 1029-1040.	3.7	7
14	Fc galactosylation of anti-platelet human IgG1 alloantibodies enhances complement activation on platelets. Haematologica, 2022, 107, 2432-2444.	3.5	17
15	Glycan and Protein Analysis of Glycoengineered Bacterial E. coli Vaccines by MALDI-in-Source Decay FT-ICR Mass Spectrometry. Analytical Chemistry, 2022, 94, 4979-4987.	6.5	8
16	High-Mannose N-Glycans as Malignant Progression Markers in Early-Stage Colorectal Cancer. Cancers, 2022, 14, 1552.	3.7	30
17	Immunoglobulin G1 Fc glycosylation as an early hallmark of severe COVID-19. EBioMedicine, 2022, 78, 103957.	6.1	33
18	Developments and perspectives in high-throughput protein glycomics: enabling the analysis of thousands of samples. Glycobiology, 2022, 32, 651-663.	2.5	24

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19	Surface Ig variable domain glycosylation affects autoantigen binding and acts as threshold for human autoreactive B cell activation. Science Advances, 2022, 8, eabm1759.	10.3	30
20	Definition of IgG Subclass-Specific Glycopatterns in Idiopathic Membranous Nephropathy: Aberrant IgG Glycoforms in Blood. International Journal of Molecular Sciences, 2022, 23, 4664.	4.1	7
21	High Diversity of Glycosphingolipid Glycans of Colorectal Cancer Cell Lines Reflects the Cellular Differentiation Phenotype. Molecular and Cellular Proteomics, 2022, 21, 100239.	3.8	9
22	Sialic Acid Derivatization of Fluorescently Labeled N-Glycans Allows Linkage Differentiation by Reversed-Phase Liquid Chromatographyâ€“Fluorescence Detectionâ€“Mass Spectrometry. Analytical Chemistry, 2022, 94, 6639-6648.	6.5	10
23	PHGDH heterogeneity potentiates cancerÂcell dissemination and metastasis. Nature, 2022, 605, 747-753.	27.8	77
24	Immunoassay for quantification of antigen-specific IgG fucosylation. EBioMedicine, 2022, 81, 104109.	6.1	7
25	High-Throughput Glycomic Methods. Chemical Reviews, 2022, 122, 15865-15913.	47.7	30
26	Colorectal cancer cell lines show striking diversity of their O-glycome reflecting the cellular differentiation phenotype. Cellular and Molecular Life Sciences, 2021, 78, 337-350.	5.4	34
27	Role of glycosylation in TGF-Î² signaling and epithelial-to-mesenchymal transition in cancer. Protein and Cell, 2021, 12, 89-106.	11.0	40
28	IgG Fc N-Glycosylation Translates MHCII Haplotype into Autoimmune Skin Disease. Journal of Investigative Dermatology, 2021, 141, 285-294.	0.7	12
29	N-Glycomic Signature of Stage II Colorectal Cancer and Its Association With the Tumor Microenvironment. Molecular and Cellular Proteomics, 2021, 20, 100057.	3.8	42
30	Anion exchange chromatography â€“ Mass spectrometry for monitoring multiple quality attributes of erythropoietin biopharmaceuticals. Analytica Chimica Acta, 2021, 1143, 166-172.	5.4	17
31	The SPPL3-Defined Glycosphingolipid Repertoire Orchestrates HLA Class I-Mediated Immune Responses. Immunity, 2021, 54, 132-150.e9.	14.3	52
32	Afucosylated IgG characterizes enveloped viral responses and correlates with COVID-19 severity. Science, 2021, 371, .	12.6	244
33	Sheathless CEâ€MS as a tool for monitoring exchange efficiency and stability of bispecific antibodies. Electrophoresis, 2021, 42, 171-176.	2.4	9
34	High-throughput glycopeptide profiling of prostate-specific antigen from seminal plasma by MALDI-MS. Talanta, 2021, 222, 121495.	5.5	12
35	Sugar Matters: Improving In Vivo Clearance Rate of Highly Glycosylated Recombinant Plasma Proteins for Therapeutic Use. Pharmaceuticals, 2021, 14, 54.	3.8	0
36	The structure and role of lactone intermediates in linkage-specific sialic acid derivatization reactions. Glycoconjugate Journal, 2021, 38, 157-166.	2.7	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. Journal of Biological Chemistry, 2021, 296, 100299.	3.4	9
38	Glycosylation analysis. , 2021, , 65-92.		0
39	Site-Specific N-Linked Glycosylation Analysis of Human Carcinoembryonic Antigen by Sheathless Capillary Electrophoresisâ€“Tandem Mass Spectrometry. Journal of Proteome Research, 2021, 20, 1666-1675.	3.7	24
40	Clinical Perspective on Proteomic and Glycomic Biomarkers for Diagnosis, Prognosis, and Prediction of Pancreatic Cancer. International Journal of Molecular Sciences, 2021, 22, 2655.	4.1	14
41	Altered glycosylation of IgG4 promotes lectin complement pathway activation in anti-PLA2R1â€“associated membranous nephropathy. Journal of Clinical Investigation, 2021, 131, .	8.2	94
42	Functional monovalency amplifies the pathogenicity of anti-MuSK IgG4 in myasthenia gravis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	28
43	Analysis of Synthetic Monodisperse Polysaccharides by Wide Mass Range Ultrahigh-Resolution MALDI Mass Spectrometry. Analytical Chemistry, 2021, 93, 4666-4675.	6.5	19
44	Serum N-glycan profiles differ for various breast cancer subtypes. Glycoconjugate Journal, 2021, 38, 387-395.	2.7	10
45	Profiling the proteoforms of urinary prostate-specific antigen by capillary electrophoresis â€“ mass spectrometry. Journal of Proteomics, 2021, 238, 104148.	2.4	12
46	Serum and Plasma Immunoglobulin G Fc N-Glycosylation Is Stable during Storage. Journal of Proteome Research, 2021, 20, 2935-2941.	3.7	6
47	Terminal Î±2,6-sialylation of epidermal growth factor receptor modulates antibody therapy response of colorectal cancer cells. Cellular Oncology (Dordrecht), 2021, 44, 835-850.	4.4	24
48	Structural and Functional Characterization of SARS-CoV-2 RBD Domains Produced in Mammalian Cells. Analytical Chemistry, 2021, 93, 6839-6847.	6.5	39
49	Dopant-Enriched Nitrogen Gas for Enhanced Electrospray Ionization of Released Glycans in Negative Ion Mode. Analytical Chemistry, 2021, 93, 6919-6923.	6.5	14
50	Oxonium Ion Guided Analysis of Quantitative Proteomics Data Reveals Site-Specific O-Glycosylation of Anterior Gradient Protein 2 (AGR2). International Journal of Molecular Sciences, 2021, 22, 5369.	4.1	5
51	ST6Gal1 targets the ectodomain of ErbB2 in a site-specific manner and regulates gastric cancer cell sensitivity to trastuzumab. Oncogene, 2021, 40, 3719-3733.	5.9	27
52	Afucosylated IgG Targets FcÎ³RIV for Enhanced Tumor Therapy in Mice. Cancers, 2021, 13, 2372.	3.7	7
53	Large-Scale Analysis of Apolipoprotein CIII Glycosylation by Ultrahigh Resolution Mass Spectrometry. Frontiers in Chemistry, 2021, 9, 678883.	3.6	9
54	High titers and low fucosylation of early human antiâ€“SARS-CoV-2 IgG promote inflammation by alveolar macrophages. Science Translational Medicine, 2021, 13, .	12.4	166

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55	O- and N-Glycosylation of Serum Immunoglobulin A is Associated with IgA Nephropathy and Glomerular Function. Journal of the American Society of Nephrology: JASN, 2021, 32, 2455-2465.	6.1	33
56	A semi-automated, high throughput approach for O-glycosylation profiling of in vitro established cancer cell lines by MALDI-FT-ICR MS. Glycoconjugate Journal, 2021, , 1.	2.7	1
57	Aberrant glycosylation of anti-SARS-CoV-2 spike IgG is a prothrombotic stimulus for platelets. Blood, 2021, 138, 1481-1489.	1.4	66
58	Fc Galactosylation Promotes Hexamerization of Human IgG1, Leading to Enhanced Classical Complement Activation. Journal of Immunology, 2021, 207, 1545-1554.	0.8	56
59	Association of Antibody-Dependent Neutrophil Phagocytosis With Distinct Antibody Glycosylation Profiles Following Typhoid Vaccination. Frontiers in Tropical Diseases, 2021, 2, .	1.4	2
60	Native Structural and Functional Proteoform Characterization of the Prolyl-Alanyl-Specific Endoprotease EndoPro from Aspergillus niger. Journal of Proteome Research, 2021, 20, 4875-4885.	3.7	8
61	Protein Mannosylation as a Diagnostic and Prognostic Biomarker of Lupus Nephritis: An Unusual Glycan Neoepitope in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2021, 73, 2069-2077.	5.6	15
62	Glycoform analysis of intact erythropoietin by MALDI FT-ICR mass spectrometry. Analytica Chimica Acta, 2021, 1185, 339084.	5.4	5
63	Glycoform-resolved pharmacokinetic studies in a rat model employing glycoengineered variants of a therapeutic monoclonal antibody. MAbs, 2021, 13, 1865596.	5.2	23
64	Fc gamma receptor IIIb binding of individual antibody proteoforms resolved by affinity chromatographyâ€“mass spectrometry. MAbs, 2021, 13, 1982847.	5.2	11
65	Plasma protein N-glycosylation is associated with cardiovascular disease, nephropathy, and retinopathy in type 2 diabetes. BMJ Open Diabetes Research and Care, 2021, 9, e002345.	2.8	14
66	Biophysical Evaluation of Rhesus Macaque Fc Gamma Receptors Reveals Similar IgG Fc Glycoform Preferences to Human Receptors. Frontiers in Immunology, 2021, 12, 754710.	4.8	8
67	Afucosylated Plasmodium falciparum-specific IgG is induced by infection but not by subunit vaccination. Nature Communications, 2021, 12, 5838.	12.8	36
68	Integrated N- and O-Glycomics of Acute Myeloid Leukemia (AML) Cell Lines. Cells, 2021, 10, 3058.	4.1	7
69	Affinity Capillary Electrophoresisâ€“Mass Spectrometry as a Tool to Unravel Proteoform-Specific Antibodyâ€“Receptor Interactions. Analytical Chemistry, 2021, 93, 15133-15141.	6.5	15
70	Glycation Interferes with the Expression of Sialyltransferases in Meningiomas. Cells, 2021, 10, 3298.	4.1	1
71	A functional spleen contributes to afucosylated IgG in humans. Scientific Reports, 2021, 11, 24045.	3.3	4
72	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. Molecular and Cellular Proteomics, 2020, 19, 11-30.	3.8	87

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73	Monitoring of immunoglobulin N- and O-glycosylation in health and disease. Glycobiology, 2020, 30, 226-240.	2.5	75
74	IgG Fc glycosylation as an axis of humoral immunity in childhood. Journal of Allergy and Clinical Immunology, 2020, 145, 710-713.e9.	2.9	27
75	Monitoring glycation levels of a bispecific monoclonal antibody at subunit level by ultrahigh-resolution MALDI FT-ICR mass spectrometry. MAbs, 2020, 12, 1682403.	5.2	30
76	Characterization of Macrophage Galactose-type Lectin (MGL) ligands in colorectal cancer cell lines. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129513.	2.4	22
77	IgA subclasses have different effector functions associated with distinct glycosylation profiles. Nature Communications, 2020, 11, 120.	12.8	141
78	O- and N-glycosylation analysis of cell lines by ultrahigh resolution MALDI-FTICR-MS. International Journal of Mass Spectrometry, 2020, 448, 116267.	1.5	6
79	Intact and subunit-specific analysis of bispecific antibodies by sheathless CE-MS. Analytica Chimica Acta, 2020, 1134, 18-27.	5.4	28
80	MS-Based Allotype-Specific Analysis of Polyclonal IgG-Fc N-Glycosylation. Frontiers in Immunology, 2020, 11, 2049.	4.8	17
81	N-Glycoproteins Have a Major Role in MGL Binding to Colorectal Cancer Cell Lines: Associations with Overall Proteome Diversity. International Journal of Molecular Sciences, 2020, 21, 5522.	4.1	11
82	Prominent members of the human gut microbiota express endo-acting O-glycanases to initiate mucin breakdown. Nature Communications, 2020, 11, 4017.	12.8	81
83	Mass spectrometry in clinical glycomics: The path from biomarker identification to clinical implementation. Clinical Mass Spectrometry, 2020, 18, 1-12.	1.9	17
84	Site-Specific Glycosylation Mapping of Fc Gamma Receptor IIIb from Neutrophils of Individual Healthy Donors. Analytical Chemistry, 2020, 92, 13172-13181.	6.5	12
85	Immunoglobulin G Glycoprofiles are Unaffected by Common Bottom-Up Sample Processing. Journal of Proteome Research, 2020, 19, 4158-4162.	3.7	5
86	Serum Nâ€Glycome analysis reveals pancreatic cancer disease signatures. Cancer Medicine, 2020, 9, 8519-8529.	2.8	22
87	Biological and structural characterization of murine TRALI antibody reveals increased Fc-mediated complement activation. Blood Advances, 2020, 4, 3875-3885.	5.2	8
88	Improved N- and C-Terminal Sequencing of Proteins by Combining Positive and Negative Ion MALDI In-Source Decay Mass Spectrometry. Analytical Chemistry, 2020, 92, 12429-12436.	6.5	7
89	Dissecting Total Plasma and Protein-Specific Glycosylation Profiles in Congenital Disorders of Glycosylation. International Journal of Molecular Sciences, 2020, 21, 7635.	4.1	15
90	Differential O- and Glycosphingolipid Glycosylation in Human Pancreatic Adenocarcinoma Cells With Opposite Morphology and Metastatic Behavior. Frontiers in Oncology, 2020, 10, 732.	2.8	16

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91	Glycomics studies using sialic acid derivatization and mass spectrometry. Nature Reviews Chemistry, 2020, 4, 229-242.	30.2	74
92	Evaluation of Sibling and Twin Fragment Ions Improves the Structural Characterization of Proteins by Top-Down MALDI In-Source Decay Mass Spectrometry. Analytical Chemistry, 2020, 92, 5871-5881.	6.5	9
93	A Matrix-Assisted Laser Desorption/Ionizationâ€"Mass Spectrometry Assay for the Relative Quantitation of Antennary Fucosylated N-Glycans in Human Plasma. Frontiers in Chemistry, 2020, 8, 138.	3.6	14
94	Systematic Evaluation of Normalization Methods for Glycomics Data Based on Performance of Network Inference. Metabolites, 2020, 10, 271.	2.9	13
95	IgG Fc sialylation is regulated during the germinal center reaction following immunization with different adjuvants. Journal of Allergy and Clinical Immunology, 2020, 146, 652-666.e11.	2.9	45
96	Monoclonal immunoglobulins promote bone loss in multiple myeloma. Blood, 2020, 136, 2656-2666.	1.4	21
97	Cysteine Aminoethylation Enables the Site-Specific Glycosylation Analysis of Recombinant Human Erythropoietin using Trypsin. Analytical Chemistry, 2020, 92, 9476-9481.	6.5	10
98	Metformin and statin use associate with plasma protein N-glycosylation in people with type 2 diabetes. BMJ Open Diabetes Research and Care, 2020, 8, e001230.	2.8	8
99	Anti-D monoclonal antibodies from 23 human and rodent cell lines display diverse IgG Fc-glycosylation profiles that determine their clinical efficacy. Scientific Reports, 2020, 10, 1464.	3.3	14
100	Simultaneous Immunoglobulin A and G Glycopeptide Profiling for High-Throughput Applications. Analytical Chemistry, 2020, 92, 4518-4526.	6.5	28
101	IgG-Fc glycosylation before and after rituximab treatment in immune thrombocytopenia. Scientific Reports, 2020, 10, 3051.	3.3	12
102	Natural killer cell activation by respiratory syncytial virusâ€specific antibodies is decreased in infants with severe respiratory infections and correlates with Fcâ€glycosylation. Clinical and Translational Immunology, 2020, 9, e1112.	3.8	27
103	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. Science Advances, 2020, 6, eaax0301.	10.3	90
104	Molecular signatures of tumor progression in myxoid liposarcoma identified by N-glycan mass spectrometry imaging. Laboratory Investigation, 2020, 100, 1252-1261.	3.7	20
105	Development of a 96-well plate sample preparation method for integratedN- andO-glycomics using porous graphitized carbon liquid chromatography-mass spectrometry. Molecular Omics, 2020, 16, 355-363.	2.8	47
106	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 andÂGluK3. EMBO Journal, 2020, 39, e103457.	7.8	20
107	FcÎ³R Binding and ADCC Activity of Human IgG Allotypes. Frontiers in Immunology, 2020, 11, 740.	4.8	101
108	Targeting Glycans and Heavily Glycosylated Proteins for Tumor Imaging. Cancers, 2020, 12, 3870.	3.7	13

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109	Semiautomated glycoproteomics data analysis workflow for maximized glycopeptide identification and reliable quantification. Beilstein Journal of Organic Chemistry, 2020, 16, 3038-3051.	2.2	7
110	Recombinant human monoclonal HLA antibodies of different IgG subclasses recognising the same epitope: Excellent tools to study differential effects of donorâ€specific antibodies. Hla, 2019, 94, 415-424.	0.6	11
111	OGT Controls the Expression and the Glycosylation of Eâ€cadherin, and Affects Glycosphingolipid Structures in Human Colon Cell Lines. Proteomics, 2019, 19, e1800452.	2.2	11
112	Human DC-SIGN and CD23 do not interact with human IgG. Scientific Reports, 2019, 9, 9995.	3.3	38
113	Glycoform-resolved FcÉ£RIIIa affinity chromatographyâ€“mass spectrometry. MAbs, 2019, 11, 1191-1196.	5.2	42
114	Towards a standardized bioinformatics infrastructure for N- and O-glycomics. Nature Communications, 2019, 10, 3275.	12.8	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. MAbs, 2019, 11, 1219-1232.	5.2	19
116	Site-specific N- and O-glycosylation analysis of atacicept. MAbs, 2019, 11, 1053-1063.	5.2	21
117	The Glycosylation Site of Myelin Oligodendrocyte Glycoprotein Affects Autoantibody Recognition in a Large Proportion of Patients. Frontiers in Immunology, 2019, 10, 1189.	4.8	15
118	Dried blood spot N-glycome analysis by MALDI mass spectrometry. Talanta, 2019, 205, 120104.	5.5	19
119	Expanding the Reaction Space of Linkage-Specific Sialic Acid Derivatization. Molecules, 2019, 24, 3617.	3.8	20
120	Paucity of Paucimannosylation Revoked. Proteomics, 2019, 19, e1900244.	2.2	5
121	Nâ€glycome signatures in human plasma: associations with physiology and major diseases. FEBS Letters, 2019, 593, 2966-2976.	2.8	62
122	On the presence of HLA-SE alleles and ACPA-IgG variable domain glycosylation in the phase preceding the development of rheumatoid arthritis. Annals of the Rheumatic Diseases, 2019, 78, 1616-1620.	0.9	35
123	Mo1764 â€“ Serum N-Glycomic Biomarkers Predict Treatment Escalation in Inflammatory Bowel Disease. Gastroenterology, 2019, 156, S-830.	1.3	0
124	Nâ€Linked Glycans in the Variable Domain of IgG Antiâ€“Citrullinated Protein Antibodies Predict the Development of Rheumatoid Arthritis. Arthritis and Rheumatology, 2019, 71, 1626-1633.	5.6	80
125	Highly sensitive CE-ESI-MS analysis of N-glycans from complex biological samples. Nature Communications, 2019, 10, 2137.	12.8	90
126	Serum protein N-glycosylation changes in multiple myeloma. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 960-970.	2.4	33

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127	N-Glycomic and Transcriptomic Changes Associated with CDX1 mRNA Expression in Colorectal Cancer Cell Lines. Cells, 2019, 8, 273.	4.1	17
128	DOP10 Serum N-glycomic biomarkers predict treatment escalation in inflammatory bowel disease. Journal of Crohn's and Colitis, 2019, 13, S032-S033.	1.3	2
129	The Role of Glycosphingolipids in Immune Cell Functions. Frontiers in Immunology, 2019, 10, 90.	4.8	101
130	OP0295â€...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. Journal of Immunology, 2019, 203, 3126-3135.	0.8	54
132	Proteoform-Resolved FcÉRIIIa Binding Assay for Fab Glycosylated Monoclonal Antibodies Achieved by Affinity Chromatography Mass Spectrometry of Fc Moieties. Frontiers in Chemistry, 2019, 7, 698.	3.6	17
133	Glycoproteomic Analysis of MGL-Binding Proteins on Acute T-Cell Leukemia Cells. Journal of Proteome Research, 2019, 18, 1125-1132.	3.7	18
134	Structural Analysis of Monoclonal Antibodies by Ultrahigh Resolution MALDI In-Source Decay FT-ICR Mass Spectrometry. Analytical Chemistry, 2019, 91, 2079-2085.	6.5	48
135	Improved and semi-automated reductive Î²-elimination workflow for higher throughput protein O-glycosylation analysis. PLoS ONE, 2019, 14, e0210759.	2.5	20
136	Unique patterns of glycosylation in immunoglobulin subclass G4â€related disease and primary sclerosing cholangitis. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 1878-1886.	2.8	30
137	High-throughput Serum N-Glycomics: Method Comparison and Application to Study Rheumatoid Arthritis and Pregnancy-associated Changes. Molecular and Cellular Proteomics, 2019, 18, 3-15.	3.8	69
138	Glycosylationof Immunoglobulins Determine Bone Loss in Multiple Myeloma. Blood, 2019, 134, 4324-4324.	1.4	0
139	An In-Depth Glycosylation Assay for Urinary Prostate-Specific Antigen. Analytical Chemistry, 2018, 90, 4414-4421.	6.5	54
140	The glycomic effect of N-acetylglucosaminyltransferase III overexpression in metastatic melanoma cells. GnT-III modifies highly branched N-glycans. Glycoconjugate Journal, 2018, 35, 217-231.	2.7	22
141	Low amounts of bisecting glycans characterize cerebrospinal fluid-borne IgG. Journal of Neuroimmunology, 2018, 320, 19-24.	2.3	4
142	Serum sialylation changes in cancer. Glycoconjugate Journal, 2018, 35, 139-160.	2.7	127
143	ACPA IgG galactosylation associates with disease activity in pregnant patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2018, 77, annrheumdis-2018-212946.	0.9	31
144	Cutis laxa, exocrine pancreatic insufficiency and altered cellular metabolomics as additional symptoms in a new patient with ATP6AP1-CDG. Molecular Genetics and Metabolism, 2018, 123, 364-374.	1.1	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.	7.1	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.	3.3	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.	3.8	49
148	Conserved FcÎ³R- glycan discriminates between fucosylated and afucosylated IgG in humans and mice. Molecular Immunology, 2018, 94, 54-60.	2.2	29
149	Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases. Gastroenterology, 2018, 154, 1320-1333.e10.	1.3	116
150	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
151	Sialylation of IgG antibodies inhibits IgG-mediated allergic reactions. Journal of Allergy and Clinical Immunology, 2018, 141, 399-402.e8.	2.9	40
152	IgG glycosylation and DNA methylation are interconnected with smoking. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 637-648.	2.4	33
153	OTU-020â€...Altered FC and FAB glycosylation status in patients with IGG4-related sclerosing cholangitis and autoimmune pancreatitis. , 2018, , .		0
154	Î±1-Antichymotrypsin Present in Therapeutic C1-Inhibitor Products Competes with Selectinâ€“Sialyl LewisX Interaction. Thrombosis and Haemostasis, 2018, 118, 2134-2144.	3.4	1
155	Automated Plasma Glycomics with Linkage-Specific Sialic Acid Esterification and Ultrahigh Resolution MS. Analytical Chemistry, 2018, 90, 11955-11961.	6.5	47
156	Comparative Glycomics of Immunoglobulin A and G From Saliva and Plasma Reveals Biomarker Potential. Frontiers in Immunology, 2018, 9, 2436.	4.8	59
157	Restricted immune activation and internalisation of anti-idiotype complexes between drug and antidrug antibodies. Annals of the Rheumatic Diseases, 2018, 77, 1471-1479.	0.9	23
158	Trace N-glycans including sulphated species may originate from various plasma glycoproteins and not necessarily IgG. Nature Communications, 2018, 9, 2916.	12.8	7
159	Biophysical analysis of sialic acid recognition by the complement regulator Factor H. Glycobiology, 2018, 28, 765-773.	2.5	39
160	Plasma N-Glycan Signatures Are Associated With Features ofÂInflammatory Bowel Diseases. Gastroenterology, 2018, 155, 829-843.	1.3	80
161	Fc-Glycosylation in Human IgG1 and IgG3 Is Similar for Both Total and Anti-Red-Blood Cell Anti-K Antibodies. Frontiers in Immunology, 2018, 9, 129.	4.8	23
162	Genome-Wide Association Study on Immunoglobulin G Glycosylation Patterns. Frontiers in Immunology, 2018, 9, 277.	4.8	66

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163	Immunoglobulin G Fragment Crystallizable Glycosylation After Hematopoietic Stem Cell Transplantation Is Dissimilar to Donor Profiles. Frontiers in Immunology, 2018, 9, 1238.	4.8	8
164	HappyTools: A software for high-throughput HPLC data processing and quantitation. PLoS ONE, 2018, 13, e0200280.	2.5	26
165	Estrogen induces St6gal1 expression and increases IgG sialylation in mice and patients with rheumatoid arthritis: a potential explanation for the increased risk of rheumatoid arthritis in postmenopausal women. Arthritis Research and Therapy, 2018, 20, 84.	3.5	79
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