Yoann Rombouts

List of Publications by Year
in descending order

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Version: 2024-02-01

50 papers	3,269 citations	186209 28 h-index	206029 48 g-index
50 all docs	50 docs citations	50 times ranked	4903 citing authors

#	Article	IF	Citations
1	Regulation of autoantibody activity by the IL-23â€“TH17 axis determines the onset of autoimmune disease. Nature Immunology, 2017, 18, 104-113.	7.0	274
2	The Emerging Importance of IgG Fab Glycosylation in Immunity. Journal of Immunology, 2016, 196, 1435-1441.	0.4	234
3	Anti-citrullinated protein antibodies acquire a pro-inflammatory Fc glycosylation phenotype prior to the onset of rheumatoid arthritis. Annals of the Rheumatic Diseases, 2015, 74, 234-241.	0.5	225
4	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.	2.5	216
5	Glycosylation of immunoglobulin G determines osteoclast differentiation and bone loss. Nature Communications, 2015, 6, 6651.	5.8	212
6	Extensive glycosylation of ACPA-IgG variable domains modulates binding to citrullinated antigens in rheumatoid arthritis. Annals of the Rheumatic Diseases, 2016, 75, 578-585.	0.5	161
7	Glycoproteomic Analysis of Antibodies. Molecular and Cellular Proteomics, 2013, 12, 856-865.	2.5	146
8	Revisiting Plant Plasma Membrane Lipids in Tobacco: A Focus on Sphingolipids. Plant Physiology, 2016, 170, 367-384.	2.3	137
9	Glycosylation Characteristics of Colorectal Cancer. Advances in Cancer Research, 2015, 126, 203-256.	1.9	120
10	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
11	Hinge-Region O-Glycosylation of Human Immunoglobulin G3 (IgG3). Molecular and Cellular Proteomics, 2015, 14, 1373-1384.	2.5	90
12	Site-Specific N-Glycosylation Analysis of Human Immunoglobulin E. Journal of Proteome Research, 2014, 13, 536-546.	1.8	85
13	The ganglioside GD2 induces the constitutive activation of c-Met in MDA-MB-231 breast cancer cells expressing the GD3 synthase. Glycobiology, 2012, 22, 806-816.	1.3	83
14	A Mycobacterium marinum TesA mutant defective for major cell wallâ€associated lipids is highly attenuated in Dictyostelium discoideum and zebrafish embryos. Molecular Microbiology, 2011, 80, 919-934.	1.2	82
15	Structural Analysis of Variable Domain Glycosylation of Anti-Citrullinated Protein Antibodies in Rheumatoid Arthritis Reveals the Presence of Highly Sialylated Glycans. Molecular and Cellular Proteomics, 2017, 16, 278-287.	2.5	82
16	N-glycosylation Profiling of Colorectal Cancer Cell Lines Reveals Association of Fucosylation with Differentiation and Caudal Type Homebox 1 (CDX1)/Villin mRNA Expression. Molecular and Cellular Proteomics, 2016, 15, 124-140.	2.5	72
17	Identification and characterisation of citrullinated antigen-specific B cells in peripheral blood of patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2016, 75, 1170-1176.	0.5	72
18	Adipocyteâ€derived lipids modulate CD4⁺ Tâ€cell function. European Journal of Immunology, 2013, 43, 1578-1587.	1.6	71

#	Article	IF	Citations
19	Circulating plasmablasts/plasmacells as a source of anticitrullinated protein antibodies in patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2013, 72, 1259-1263.	0.5	69
20	Mass spectrometry for glycosylation analysis of biopharmaceuticals. TrAC - Trends in Analytical Chemistry, 2015, 73, 1-9.	5.8	67
21	Human NLRP1 is a sensor of pathogenic coronavirus 3CL proteases in lung epithelial cells. Molecular Cell, 2022, 82, 2385-2400.e9.	4.5	61
22	Pregnancy-associated serum N-glycome changes studied by high-throughput MALDI-TOF-MS. Scientific Reports, 2016, 6, 23296.	1.6	54
23	Recent Advances in Clinical Glycoproteomics of Immunoglobulins (Igs). Molecular and Cellular Proteomics, 2016, 15, 2217-2228.	2.5	54
24	Mycobacterium marinum Lipooligosaccharides Are Unique Caryophyllose-containing Cell Wall Glycolipids That Inhibit Tumor Necrosis Factor-Î± Secretion in Macrophages. Journal of Biological Chemistry, 2009, 284, 20975-20988.	1.6	38
25	Exposure of Mycobacteria to Cell Wall-inhibitory Drugs Decreases Production of Arabinoglycerolipid Related to Mycolyl-arabinogalactan-peptidoglycan Metabolism. Journal of Biological Chemistry, 2012, 287, 11060-11069.	1.6	36
26	Glycosylation Changes Triggered by the Differentiation of Monocytic THP-1 Cell Line into Macrophages. Journal of Proteome Research, 2017, 16, 156-169.	1.8	35
27	Fatty Acyl Chains of Mycobacterium marinum Lipooligosaccharides. Journal of Biological Chemistry, 2011, 286, 33678-33688.	1.6	34
28	Environmental and Biofilm-dependent Changes in a Bacillus cereus Secondary Cell Wall Polysaccharide*. Journal of Biological Chemistry, 2011, 286, 31250-31262.	1.6	33
29	ACPA IgG galactosylation associates with disease activity in pregnant patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2018, 77, annrheumdis-2018-212946.	0.5	31
30	Increased Phagocytosis of Mycobacterium marinum Mutants Defective in Lipooligosaccharide Production. Journal of Biological Chemistry, 2014, 289, 215-228.	1.6	29
31	Structural Analysis of an Unusual BioactiveN-Acylated Lipo-Oligosaccharide LOS-IV inMycobacterium marinum. Journal of the American Chemical Society, 2010, 132, 16073-16084.	6.6	27
32	Murine Plasma N-Glycosylation Traits Associated with Sex and Strain. Journal of Proteome Research, 2016, 15, 3489-3499.	1.8	24
33	Developments and perspectives in high-throughput protein glycomics: enabling the analysis of thousands of samples. Glycobiology, 2022, 32, 651-663.	1.3	24
34	Accumulation of Unusual Gangliosides GQ3 and GP3 in Breast Cancer Cells Expressing the GD3 Synthase. Molecules, 2012, 17, 9559-9572.	1.7	22
35	Characterization of Macrophage Galactose-type Lectin (MGL) ligands in colorectal cancer cell lines. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129513.	1.1	22
36	Acute phase inflammation is characterized by rapid changes in plasma/peritoneal fluid N-glycosylation in mice. Glycoconjugate Journal, 2016, 33, 457-470.	1.4	18

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37	Glycoproteomic Analysis of MGL-Binding Proteins on Acute T-Cell Leukemia Cells. Journal of Proteome Research, 2019, 18, 1125-1132.	1.8	18
38	Host-Derived Lipids from Tuberculous Pleurisy Impair Macrophage Microbicidal-Associated Metabolic Activity. Cell Reports, 2020, 33, 108547.	2.9	18
39	N-Glycomic and Transcriptomic Changes Associated with CDX1 mRNA Expression in Colorectal Cancer Cell Lines. Cells, 2019, 8, 273.	1.8	17
40	Structural Determination and Toll-like Receptor 2-dependent Proinflammatory Activity of Dimycolyl-diarabino-glycerol from Mycobacterium marinum*. Journal of Biological Chemistry, 2012, 287, 34432-34444.	1.6	15
41	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.	1.8	11
42	Fra1 Controls Rheumatoid Factor Autoantibody Production by Bone Marrow Plasma Cells and the Development of Autoimmune Bone Loss. Journal of Bone and Mineral Research, 2019, 34, 1352-1365.	3.1	10
43	Host phospholipid peroxidation fuels ExoU-dependent cell necrosis and supports Pseudomonas aeruginosa-driven pathology. PLoS Pathogens, 2021, 17, e1009927.	2.1	10
44	High-Throughput and High-Sensitivity Mass Spectrometry-Based N-Glycomics of Mammalian Cells. Methods in Molecular Biology, 2017, 1503, 185-196.	0.4	9
45	Identification of the Mycobacterium marinum Apa antigen O-mannosylation sites reveals important glycosylation variability with the M. tuberculosis Apa homologue. Journal of Proteomics, 2012, 75, 5695-5705.	1.2	8
46	Expression of GD3 synthase modifies ganglioside profile and increases migration of MCF-7 breast cancer cells. Comptes Rendus Chimie, 2012, 15, 3-14.	0.2	7
47	Fc gamma receptor binding profile of anti-citrullinated protein antibodies in immune complexes suggests a role for FcÎ³RI in the pathogenesis of synovial inflammation. Clinical and Experimental Rheumatology, 2018, 36, 284-293.	0.4	6
48	A1.2â€…High Throughput analysis of IGG fab glycosylation reveals differences between RA-patients and healthy controls during pregnancy and after delivery. Annals of the Rheumatic Diseases, 2014, 73, A1.2-A1.	0.5	2
49	A4.2â€…Adipocytes Modulate T Cell Function through Release of Lipids. Annals of the Rheumatic Diseases, 2013, 72, A24.1-A24.	0.5	0
50	A5.29â€…Spontaneous Production of Anti-Citrullinated Protein Antibodies in Cultures of Peripheral Blood Mononuclear Cells and Synovial Fluid Mononuclear Cells Isolated from Patients with Rheumatoid Arthritis. Annals of the Rheumatic Diseases, 2013, 72, A41.1-A41.	0.5	0