

Irena TrbojeviÄ-AkmaÄiÄ

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,487
citations

201385

27
h-index

223531

46
g-index

65
all docs

65
docs citations

65
times ranked

2546
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Systemic Lupus Erythematosus With Decreased Immunosuppressive Potential of the IgG Glycome. <i>Arthritis and Rheumatology</i> , 2015, 67, 2978-2989.	2.9	211
2	Inflammatory Bowel Disease Associates with Proinflammatory Potential of the Immunoglobulin G Glycome. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	0.9	161
3	Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018, 154, 1320-1333.e10.	0.6	116
4	Glycosylation of Immunoglobulin G: Role of Genetic and Epigenetic Influences. <i>PLoS ONE</i> , 2013, 8, e82558.	1.1	105
5	Multivariate discovery and replication of five novel loci associated with Immunoglobulin G N-glycosylation. <i>Nature Communications</i> , 2017, 8, 447.	5.8	102
6	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
7	The Effect of Intra-articular Injection of Autologous Microfragmented Fat Tissue on Proteoglycan Synthesis in Patients with Knee Osteoarthritis. <i>Genes</i> , 2017, 8, 270.	1.0	87
8	Glycosylation Profile of Immunoglobulin G Is Cross-Sectionally Associated With Cardiovascular Disease Risk Score and Subclinical Atherosclerosis in Two Independent Cohorts. <i>Circulation Research</i> , 2018, 122, 1555-1564.	2.0	87
9	Plasma N-Glycan Signatures Are Associated With Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018, 155, 829-843.	0.6	80
10	N-Glycan Profile and Kidney Disease in Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 79-87.	4.3	75
11	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
12	Network inference from glycoproteomics data reveals new reactions in the IgG glycosylation pathway. <i>Nature Communications</i> , 2017, 8, 1483.	5.8	67
13	Low galactosylation of IgG associates with higher risk for future diagnosis of rheumatoid arthritis during 10 years of follow-up. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2034-2039.	1.8	66
14	Genome-Wide Association Study on Immunoglobulin G Glycosylation Patterns. <i>Frontiers in Immunology</i> , 2018, 9, 277.	2.2	66
15	Profiling and genetic control of the murine immunoglobulin G glycome. <i>Nature Chemical Biology</i> , 2018, 14, 516-524.	3.9	59
16	Plasma N-glycans in colorectal cancer risk. <i>Scientific Reports</i> , 2018, 8, 8655.	1.6	57
17	High-throughput glycomics: Optimization of sample preparation. <i>Biochemistry (Moscow)</i> , 2015, 80, 934-942.	0.7	51
18	The sweet spot for biologics: recent advances in characterization of biotherapeutic glycoproteins. <i>Expert Review of Proteomics</i> , 2018, 15, 13-29.	1.3	51

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19	A 24-Month Follow-Up Study of the Effect of Intra-Articular Injection of Autologous Microfragmented Fat Tissue on Proteoglycan Synthesis in Patients with Knee Osteoarthritis. <i>Genes</i> , 2019, 10, 1051.	1.0	45
20	Comparative Analysis and Validation of Different Steps in Glycomics Studies. <i>Methods in Enzymology</i> , 2017, 586, 37-55.	0.4	41
21	Defining the genetic control of human blood plasma N-glycome using genome-wide association study. <i>Human Molecular Genetics</i> , 2019, 28, 2062-2077.	1.4	40
22	Frontline Science: Plasma and immunoglobulin G galactosylation associate with HIV persistence during antiretroviral therapy. <i>Journal of Leukocyte Biology</i> , 2018, 104, 461-471.	1.5	38
23	Immunoglobulin G N-Glycans as Potential Postgenomic Biomarkers for Hypertension in the Kazakh Population. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 380-389.	1.0	37
24	Global variability of the human IgG glycome. <i>Aging</i> , 2020, 12, 15222-15259.	1.4	37
25	Increased central adiposity is associated with pro-inflammatory immunoglobulin G N-glycans. <i>Immunobiology</i> , 2019, 224, 110-115.	0.8	34
26	IgG glycosylation and DNA methylation are interconnected with smoking. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 637-648.	1.1	33
27	The association between subclass-specific IgG Fc N-glycosylation profiles and hypertension in the Uyghur, Kazak, Kirgiz, and Tajik populations. <i>Journal of Human Hypertension</i> , 2018, 32, 555-563.	1.0	33
28	High-throughput analysis of immunoglobulin G glycosylation. <i>Expert Review of Proteomics</i> , 2016, 13, 523-534.	1.3	32
29	Promoter methylation of the MGAT3 and BACH2 genes correlates with the composition of the immunoglobulin G glycome in inflammatory bowel disease. <i>Clinical Epigenetics</i> , 2018, 10, 75.	1.8	32
30	Decreased Immunoglobulin G Core Fucosylation, A Player in Antibody-dependent Cell-mediated Cytotoxicity, is Associated with Autoimmune Thyroid Diseases. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 774-792.	2.5	32
31	High-Throughput Glycomic Methods. <i>Chemical Reviews</i> , 2022, 122, 15865-15913.	23.0	30
32	Utilization of N-glycosylation profiles as risk stratification biomarkers for suboptimal health status and metabolic syndrome in a Ghanaian population. <i>Biomarkers in Medicine</i> , 2019, 13, 1273-1287.	0.6	28
33	OUP accepted manuscript. <i>Glycobiology</i> , 2021, 31, 372-377.	1.3	27
34	Breaking the Glyco-Code of HIV Persistence and Immunopathogenesis. <i>Current HIV/AIDS Reports</i> , 2019, 16, 151-168.	1.1	26
35	Heritability of Human Plasma N-Glycome. <i>Journal of Proteome Research</i> , 2020, 19, 85-91.	1.8	25
36	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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37	High throughput profiling of whole plasma N-glycans in type II diabetes mellitus patients and healthy individuals: A perspective from a Ghanaian population. Archives of Biochemistry and Biophysics, 2019, 661, 10-21.	1.4	23
38	Genetic regulation of post-translational modification of two distinct proteins. Nature Communications, 2022, 13, 1586.	5.8	19
39	Plasma N-glycome composition associates with chronic low back pain. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2124-2133.	1.1	18
40	IgG N-glycome changes during the course of severe COVID-19: An observational study. EBioMedicine, 2022, 81, 104101.	2.7	18
41	Glycomics for Type 2 Diabetes Biomarker Discovery: Promise of Immunoglobulin G Subclass-Specific Fragment Crystallizable N-glycosylation in the Uyghur Population. OMICS A Journal of Integrative Biology, 2019, 23, 640-648.	1.0	17
42	SARS-CoV-2 S glycoprotein binding to multiple host receptors enables cell entry and infection. Glycoconjugate Journal, 2021, 38, 611-623.	1.4	17
43	Comprehensive N-glycosylation analysis of immunoglobulin G from dried blood spots. Glycobiology, 2019, 29, 817-821.	1.3	16
44	N-glycan Analysis by Ultra-performance Liquid Chromatography and Capillary Gel Electrophoresis with Fluorescent Labeling. Current Protocols in Protein Science, 2019, 97, e95.	2.8	15
45	Replication of 15 loci involved in human plasma protein N-glycosylation in 4802 samples from four cohorts. Glycobiology, 2021, 31, 82-88.	1.3	15
46	Immunoglobulin G glycome composition in transition from premenopause to postmenopause. IScience, 2022, 25, 103897.	1.9	15
47	Inflammatory bowel disease - glycomics perspective. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1595-1601.	1.1	14
48	IgG and IgM glycosylation patterns in patients undergoing image-guided tumor ablation. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1786-1794.	1.1	13
49	Glycosylation of IgG Associates with Hypertension and Type 2 Diabetes Mellitus Comorbidity in the Chinese Muslim Ethnic Minorities and the Han Chinese. Journal of Personalized Medicine, 2021, 11, 614.	1.1	11
50	Fine-Mapping of the Human Blood Plasma N-Glycome onto Its Proteome. Metabolites, 2019, 9, 122.	1.3	10
51	Chromatographic Monoliths for High-Throughput Immunoaffinity Isolation of Transferrin from Human Plasma. Croatica Chemica Acta, 2016, 89, .	0.1	10
52	Semi-high-throughput isolation and N-glycan analysis of human fibrinogen using monolithic supports bearing monoclonal anti-human fibrinogen antibodies. Electrophoresis, 2017, 38, 2922-2930.	1.3	9
53	Evaluation of different PNGase F enzymes in immunoglobulin G and total plasma N-glycans analysis. Glycobiology, 2021, 31, 2-7.	1.3	9
54	N-glycosylation profiling of Type 2 Diabetes mellitus from baseline to follow-up: an observational study in a Ghanaian population. Biomarkers in Medicine, 2021, 15, 467-480.	0.6	9

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55	The Importance of Glycosylation in COVID-19 Infection. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1325, 239-264.	0.8	9
56	Robustness and repeatability of GlycoWorks RapiFluor-MS IgG <i>N</i> -glycan profiling in a long-term high-throughput glycomic study. <i>Glycobiology</i> , 2021, 31, 1062-1067.	1.3	7
57	Why Not Use the Immunoglobulin G N-Glycans as Predictor Variables in Disease BiomarkerâPhenotype Association Studies? A Multivariate Analysis. <i>OMICS A Journal of Integrative Biology</i> , 2019, 23, 668-670.	1.0	5
58	Seminal Plasma Protein N-Glycan Peaks Are Potential Predictors of Semen Pathology and Sperm Chromatin Maturity in Men. <i>Life</i> , 2021, 11, 989.	1.1	3
59	Editorial: Immunoglobulin Glycosylation Analysis: State-of-the-Art Methods and Applications in Immunology. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	2
60	Lectin and Liquid Chromatography-Based Methods for Immunoglobulin (G) Glycosylation Analysis. <i>Experientia Supplementum</i> (2012), 2021, 112, 29-72.	0.5	0