

Irena Trbojevic-Akmacic

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

1,459
citations

24
h-index

36
g-index

65
ext. papers

2,072
ext. citations

7
avg, IF

4.35
L-index

#	Paper	IF	Citations
57	Immunoglobulin G glycome composition in transition from premenopause to postmenopause.. <i>IScience</i> , 2022 , 25, 103897	6.1	3
56	Genetic regulation of post-translational modification of two distinct proteins.. <i>Nature Communications</i> , 2022 , 13, 1586	17.4	0
55	Evaluation of different PNGase F enzymes in immunoglobulin G and total plasma N-glycans analysis. <i>Glycobiology</i> , 2021 , 31, 2-7	5.8	3
54	The Importance of Glycosylation in COVID-19 Infection. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1325, 239-264	3.6	3
53	Lectin and Liquid Chromatography-Based Methods for Immunoglobulin (G) Glycosylation Analysis. <i>Experientia Supplementum (2012)</i> , 2021 , 112, 29-72	2.2	
52	Composition of the immunoglobulin G glycome associates with the severity of COVID-19. <i>Glycobiology</i> , 2021 , 31, 372-377	5.8	14
51	N-glycosylation profiling of Type 2 diabetes mellitus from baseline to follow-up: an observational study in a Ghanaian population. <i>Biomarkers in Medicine</i> , 2021 , 15, 467-480	2.3	1
50	Glycosylation of IgG Associates with Hypertension and Type 2 Diabetes Mellitus Comorbidity in the Chinese Muslim Ethnic Minorities and the Han Chinese. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
49	Robustness and repeatability of GlycoWorks RapiFluor-MS IgG N-glycan profiling in a long-term high-throughput glycomic study. <i>Glycobiology</i> , 2021 , 31, 1062-1067	5.8	2
48	Replication of 15 loci involved in human plasma protein N-glycosylation in 4802 samples from four cohorts. <i>Glycobiology</i> , 2021 , 31, 82-88	5.8	9
47	SARS-CoV-2 S glycoprotein binding to multiple host receptors enables cell entry and infection. <i>Glycoconjugate Journal</i> , 2021 , 38, 611-623	3	3
46	Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases. <i>Science Advances</i> , 2020 , 6, eaax0301	14.3	38
45	Global variability of the human IgG glycome. <i>Aging</i> , 2020 , 12, 15222-15259	5.6	15
44	Heritability of Human Plasma -Glycome. <i>Journal of Proteome Research</i> , 2020 , 19, 85-91	5.6	16
43	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	7.6	15
42	Glycomics for Type 2 Diabetes Biomarker Discovery: Promise of Immunoglobulin G Subclass-Specific Fragment Crystallizable N-glycosylation in the Uyghur Population. <i>OMICS A Journal of Integrative Biology</i> , 2019 , 23, 640-648	3.8	12
41	Breaking the Glyco-Code of HIV Persistence and Immunopathogenesis. <i>Current HIV/AIDS Reports</i> , 2019 , 16, 151-168	5.9	16

40	Defining the genetic control of human blood plasma N-glycome using genome-wide association study. <i>Human Molecular Genetics</i> , 2019 , 28, 2062-2077	5.6	28
39	Comprehensive N-glycosylation analysis of immunoglobulin G from dried blood spots. <i>Glycobiology</i> , 2019 , 29, 817-821	5.8	10
38	Fine-Mapping of the Human Blood Plasma N-Glycome onto Its Proteome. <i>Metabolites</i> , 2019 , 9,	5.6	7
37	Inflammatory bowel disease - glycomics perspective. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 1595-1601	4	10
36	N-Glycan Analysis by Ultra-Performance Liquid Chromatography and Capillary Gel Electrophoresis with Fluorescent Labeling. <i>Current Protocols in Protein Science</i> , 2019 , 97, e95	3.1	5
35	Why Not Use the Immunoglobulin G -Glycans as Predictor Variables in Disease Biomarker-Phenotype Association Studies? A Multivariate Analysis. <i>OMICS A Journal of Integrative Biology</i> , 2019 , 23, 668-670	3.8	4
34	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	2.3	12
33	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,	4.2	22
32	Increased central adiposity is associated with pro-inflammatory immunoglobulin G N-glycans. <i>Immunobiology</i> , 2019 , 224, 110-115	3.4	18
31	High throughput profiling of whole plasma N-glycans in type II diabetes mellitus patients and healthy individuals: A perspective from a Ghanaian population. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 661, 10-21	4.1	15
30	High-throughput Serum -Glycomics: Method Comparison and Application to Study Rheumatoid Arthritis and Pregnancy-associated Changes. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 3-15	7.6	44
29	Profiling and genetic control of the murine immunoglobulin G glycome. <i>Nature Chemical Biology</i> , 2018 , 14, 516-524	11.7	35
28	Frontline Science: Plasma and immunoglobulin G galactosylation associate with HIV persistence during antiretroviral therapy. <i>Journal of Leukocyte Biology</i> , 2018 , 104, 461-471	6.5	28
27	Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018 , 154, 1320-1333.e10	13.3	82
26	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	15.7	48
25	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	6.9	44
24	IgG glycosylation and DNA methylation are interconnected with smoking. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 637-648	4	25
23	Plasma N-Glycan Signatures Are Associated With Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018 , 155, 829-843	13.3	47

22	Genome-Wide Association Study on Immunoglobulin G Glycosylation Patterns. <i>Frontiers in Immunology</i> , 2018 , 9, 277	8.4	36
21	Promoter methylation of the and genes correlates with the composition of the immunoglobulin G glycome in inflammatory bowel disease. <i>Clinical Epigenetics</i> , 2018 , 10, 75	7.7	17
20	Plasma N-glycome composition associates with chronic low back pain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2124-2133	4	12
19	The association between subclass-specific IgG Fc N-glycosylation profiles and hypertension in the Uygur, Kazak, Kirgiz, and Tajik populations. <i>Journal of Human Hypertension</i> , 2018 , 32, 555-563	2.6	29
18	Plasma N-glycans in colorectal cancer risk. <i>Scientific Reports</i> , 2018 , 8, 8655	4.9	30
17	N-Glycan Profile and Kidney Disease in Type 1 Diabetes. <i>Diabetes Care</i> , 2018 , 41, 79-87	14.6	43
16	The sweet spot for biologics: recent advances in characterization of biotherapeutic glycoproteins. <i>Expert Review of Proteomics</i> , 2018 , 15, 13-29	4.2	42
15	Comparative Analysis and Validation of Different Steps in Glycomics Studies. <i>Methods in Enzymology</i> , 2017 , 586, 37-55	1.7	24
14	Semi-high-throughput isolation and N-glycan analysis of human fibrinogen using monolithic supports bearing monoclonal anti-human fibrinogen antibodies. <i>Electrophoresis</i> , 2017 , 38, 2922-2930	3.6	7
13	The Effect of Intra-articular Injection of Autologous Microfragmented Fat Tissue on Proteoglycan Synthesis in Patients with Knee Osteoarthritis. <i>Genes</i> , 2017 , 8,	4.2	63
12	Multivariate discovery and replication of five novel loci associated with Immunoglobulin G N-glycosylation. <i>Nature Communications</i> , 2017 , 8, 447	17.4	48
11	Network inference from glycoproteomics data reveals new reactions in the IgG glycosylation pathway. <i>Nature Communications</i> , 2017 , 8, 1483	17.4	26
10	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	3.8	29
9	IgG and IgM glycosylation patterns in patients undergoing image-guided tumor ablation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 1786-94	4	9
8	Chromatographic Monoliths for High-Throughput Immunoaffinity Isolation of Transferrin from Human Plasma. <i>Croatica Chemica Acta</i> , 2016 , 89,	0.8	7
7	High-throughput analysis of immunoglobulin G glycosylation. <i>Expert Review of Proteomics</i> , 2016 , 13, 523-34	4.9	27
6	High-throughput glycomics: optimization of sample preparation. <i>Biochemistry (Moscow)</i> , 2015 , 80, 934-42.9	42.9	38
5	Association of systemic lupus erythematosus with decreased immunosuppressive potential of the IgG glycome. <i>Arthritis and Rheumatology</i> , 2015 , 67, 2978-89	9.5	152

4	Inflammatory bowel disease associates with proinflammatory potential of the immunoglobulin G glycome. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 1237-47	4-5	108
3	Glycosylation of immunoglobulin g: role of genetic and epigenetic influences. <i>PLoS ONE</i> , 2013 , 8, e82558,7	5-7	70
2	Decreased IgG core fucosylation, a player in antibody-dependent cell-mediated cytotoxicity, is associated with autoimmune thyroid diseases		3
1	Global variability of the human IgG glycome		2