

# Olga Gornik

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

4,720  
citations

126858

33  
h-index

102432

66  
g-index

76  
all docs

76  
docs citations

76  
times ranked

4489  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Throughput Isolation and Glycosylation Analysis of IgGâ€“Variability and Heritability of the IgG Glycome in Three Isolated Human Populations. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.010090.	2.5	443
2	Loci Associated with N-Glycosylation of Human Immunoglobulin G Show Pleiotropy with Autoimmune Diseases and Haematological Cancers. <i>PLoS Genetics</i> , 2013, 9, e1003225.	1.5	323
3	Glycans Are a Novel Biomarker of Chronological and Biological Ages. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 779-789.	1.7	297
4	Genomics Meets Glycomicsâ€”The First GWAS Study of Human N-Glycome Identifies HNF1 $\alpha$ as a Master Regulator of Plasma Protein Fucosylation. <i>PLoS Genetics</i> , 2010, 6, e1001256.	1.5	213
5	Variability, Heritability and Environmental Determinants of Human Plasma N-Glycome. <i>Journal of Proteome Research</i> , 2009, 8, 694-701.	1.8	212
6	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
7	Glycosylation of Serum Proteins in Inflammatory Diseases. <i>Disease Markers</i> , 2008, 25, 267-278.	0.6	209
8	Effects of aging, body mass index, plasma lipid profiles, and smoking on human plasma N-glycans. <i>Glycobiology</i> , 2010, 20, 959-969.	1.3	207
9	Comparative Performance of Four Methods for High-throughput Glycosylation Analysis of Immunoglobulin G in Genetic and Epidemiological Research. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1598-1610.	2.5	169
10	Inflammatory Bowel Disease Associates with Proinflammatory Potential of the Immunoglobulin G Glycome. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	0.9	161
11	Stability of N-glycan profiles in human plasma. <i>Glycobiology</i> , 2009, 19, 1547-1553.	1.3	126
12	Changes in IgG and total plasma protein glycomes in acute systemic inflammation. <i>Scientific Reports</i> , 2014, 4, 4347.	1.6	125
13	Alternative glycosylation modulates function of IgG and other proteins â€” Implications on evolution and disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1318-1326.	1.1	117
14	Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018, 154, 1320-1333.e10.	0.6	116
15	Glycosylation of Immunoglobulin G: Role of Genetic and Epigenetic Influences. <i>PLoS ONE</i> , 2013, 8, e82558.	1.1	105
16	Mutations in <i>HNF1A</i> Result in Marked Alterations of Plasma Glycan Profile. <i>Diabetes</i> , 2013, 62, 1329-1337.	0.3	97
17	Comparison of 2-Aminobenzamide, Procainamide and RapiFluor-MS as Derivatizing Agents for High-Throughput HILIC-UPLC-FLR-MS N-glycan Analysis. <i>Frontiers in Chemistry</i> , 2018, 6, 324.	1.8	94
18	IgG glycan patterns are associated with type 2 diabetes in independent European populations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2240-2249.	1.1	93

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19	Altered N-glycosylation profiles as potential biomarkers and drug targets in diabetes. <i>FEBS Letters</i> , 2019, 593, 1598-1615.	1.3	85
20	Plasma N-Glycan Signatures Are Associated With Features of Inflammatory Bowel Diseases. <i>Gastroenterology</i> , 2018, 155, 829-843.	0.6	80
21	Increased plasma N-glycome complexity is associated with higher risk of type 2 diabetes. <i>Diabetologia</i> , 2017, 60, 2352-2360.	2.9	78
22	N-Glycan Profile and Kidney Disease in Type 1 Diabetes. <i>Diabetes Care</i> , 2018, 41, 79-87.	4.3	75
23	Polymorphisms in B3GAT1, SLC9A9 and MGAT5 are associated with variation within the human plasma N-glycome of 3533 European adults. <i>Human Molecular Genetics</i> , 2011, 20, 5000-5011.	1.4	74
24	Changes of Serum Glycans During Sepsis and Acute Pancreatitis. <i>Glycobiology</i> , 2007, 17, 1321-1332.	1.3	69
25	Plasma N-Glycans as Emerging Biomarkers of Cardiometabolic Risk: A Prospective Investigation in the EPIC-Potsdam Cohort Study. <i>Diabetes Care</i> , 2020, 43, 661-668.	4.3	64
26	Changes in plasma and IgG N-glycome during childhood and adolescence. <i>Glycobiology</i> , 2012, 22, 975-982.	1.3	61
27	N-glycosylation patterns of plasma proteins and immunoglobulin G in chronic obstructive pulmonary disease. <i>Journal of Translational Medicine</i> , 2018, 16, 323.	1.8	49
28	Common aberrations from the normal human plasma N-glycan profile. <i>Glycobiology</i> , 2010, 20, 970-975.	1.3	44
29	Plasma Fucosylated Glycans and C-Reactive Protein as Biomarkers of HNF1A-MODY in Young Adults Onset Nonautoimmune Diabetes. <i>Diabetes Care</i> , 2019, 42, 17-26.	4.3	44
30	Enzyme linked lectin assay (ELLA) for direct analysis of transferrin sialylation in serum samples. <i>Clinical Biochemistry</i> , 2007, 40, 718-723.	0.8	41
31	High throughput plasma N-glycome profiling using multiplexed labelling and UPLC with fluorescence detection. <i>Analyst</i> , 2011, 136, 4670.	1.7	38
32	Epigenetic silencing of HNF1A associates with changes in the composition of the human plasma N-glycome. <i>Epigenetics</i> , 2012, 7, 164-172.	1.3	37
33	HbA1c is outcome predictor in diabetic patients with sepsis. <i>Diabetes Research and Clinical Practice</i> , 2007, 77, 120-125.	1.1	34
34	Human Plasma Glycome in Attention-Deficit Hyperactivity Disorder and Autism Spectrum Disorders. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.004200.	2.5	34
35	High-Throughput and Site-Specific N-Glycosylation Analysis of Human Alpha-1-Acid Glycoprotein Offers a Great Potential for New Biomarker Discovery. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100044.	2.5	29
36	Extensive weight loss reduces glycan age by altering IgG N-glycosylation. <i>International Journal of Obesity</i> , 2021, 45, 1521-1531.	1.6	29

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37	Changes in total plasma and serum N-glycome composition and patient-controlled analgesia after major abdominal surgery. <i>Scientific Reports</i> , 2016, 6, 31234.	1.6	28
38	Intense Physical Exercise Induces an Anti-inflammatory Change in IgG N-Glycosylation Profile. <i>Frontiers in Physiology</i> , 2019, 10, 1522.	1.3	28
39	Glycosylation Alterations in Multiple Sclerosis Show Increased Proinflammatory Potential. <i>Biomedicines</i> , 2020, 8, 410.	1.4	26
40	Free serum DNA is an early predictor of severity in acute pancreatitis. <i>Clinical Biochemistry</i> , 2009, 42, 38-43.	0.8	25
41	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
42	Association of the IgG N-glycome with the course of kidney function in type 2 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001026.	1.2	23
43	Estimation of human age using N-glycan profiles from bloodstains. <i>International Journal of Legal Medicine</i> , 2015, 129, 955-961.	1.2	22
44	Change in transferrin sialylation is a potential prognostic marker for severity of acute pancreatitis. <i>Clinical Biochemistry</i> , 2008, 41, 504-510.	0.8	21
45	Prognostic value of cell-free DNA in plasma of out-of-hospital cardiac arrest survivors at ICU admission and 24h post-admission. <i>Resuscitation</i> , 2014, 85, 233-237.	1.3	20
46	Effects of statins on the immunoglobulin G glycome. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1152-1158.	1.1	20
47	Glycomics meets lipidomics – associations of N-glycans with classical lipids, glycerophospholipids, and sphingolipids in three European populations. <i>Molecular BioSystems</i> , 2011, 7, 1852.	2.9	19
48	Maturity onset diabetes of the young due to HNF1A variants in Croatia. <i>Biochemia Medica</i> , 2018, 28, 020703.	1.2	17
49	Glycoscience – a new frontier in rational drug design. <i>Acta Pharmaceutica</i> , 2006, 56, 19-30.	0.9	16
50	Change of Transferrin Sialylation Differs between Mild Sepsis and Severe Sepsis and Septic Shock. <i>Internal Medicine</i> , 2011, 50, 861-869.	0.3	14
51	N-glycosylation of immunoglobulin G predicts incident hypertension. <i>Journal of Hypertension</i> , 2021, 39, 2527-2533.	0.3	13
52	Plasma N-glycome shows continuous deterioration as the diagnosis of insulin resistance approaches. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e002263.	1.2	13
53	Interlaboratory evaluation of plasma N-glycan antennary fucosylation as a clinical biomarker for HNF1A-MODY using liquid chromatography methods. <i>Glycoconjugate Journal</i> , 2021, 38, 375-386.	1.4	10
54	Genetic evidence for the identity of <i>Caulerpa racemosa</i> (Forssk.) J. Agardh (Caulerpaceae, Chlorophyta) in the Adriatic Sea. <i>European Journal of Phycology</i> , 2007, 42, 113-120.	0.9	9

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55	Evaluation of Cell-Free DNA in Plasma and Serum as Early Predictors of Severity in Acute Pancreatitis. <i>Pancreas</i> , 2011, 40, 787-788.	0.5	9
56	Enrichment of hydrophobic membrane proteins using Triton X-114 and subsequent analysis of their N-glycosylation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1710-1715.	1.1	8
57	Children at onset of type 1 diabetes show altered N-glycosylation of plasma proteins and IgG. <i>Diabetologia</i> , 2022, 65, 1315-1327.	2.9	8
58	Robustness testing of the high throughput HPLC-based analysis of plasma N-glycans. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1399-1404.	1.1	7
59	Genome-wide association study identifies FUT8 and ESR2 as co-regulators of a bi-antennary N-linked glycan A2 (GlcNAc~2~Man~3~GlcNAc~2~) in human plasma proteins. <i>Nature Precedings</i> , 2009, , .	0.1	6
60	Protein Glycosylation in Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1325, 285-305.	0.8	6
61	A precise and versatile platform for rapid glycosylation analysis of brain tissue. <i>Analytical Methods</i> , 2020, 12, 1786-1797.	1.3	5
62	Micronucleus, cell-free DNA, and plasma glycan composition in the newborns of healthy and diabetic mothers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 815, 6-15.	0.9	4
63	Fucosylated AGP glycopeptides as biomarkers of HNF1A-Maturity onset diabetes of the young. <i>Diabetes Research and Clinical Practice</i> , 2022, 185, 109226.	1.1	4
64	Development of an exoglycosidase plate-based assay for detecting $\hat{\pm}$ 1-3,4 fucosylation biomarker in individuals with HNF1A-MODY. <i>Glycobiology</i> , 2022, 32, 230-238.	1.3	3
65	Changes in Specific Biomarkers Indicate Cardiac Adaptive and Anti-inflammatory Response of Repeated Recreational SCUBA Diving. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 855682.	1.1	3
66	N-Glycosylation Patterns across the Age-Related Macular Degeneration Spectrum. <i>Molecules</i> , 2022, 27, 1774.	1.7	3
67	Does inbreeding affect N-glycosylation of human plasma proteins?. <i>Molecular Genetics and Genomics</i> , 2011, 285, 427-432.	1.0	2
68	Separation and Purification of Glycans Out of Glycoproteins. <i>Springer Protocols</i> , 2016, , 377-388.	0.1	2
69	The effect of <i>n-3</i> polyunsaturated fatty acids-enriched hen eggs consumption on IgG and total plasma protein N-glycosylation in healthy individuals and cardiovascular patients. <i>Glycobiology</i> , 2021, 31, 1163-1175.	1.3	2
70	Comparison of self-sampling blood collection for N-glycosylation analysis. <i>BMC Research Notes</i> , 2022, 15, 61.	0.6	2
71	Prognostic value of cell-free DNA in plasma of out-of-hospital cardiac arrest survivors quantified at ICU admission and 24h post-admission. <i>Resuscitation</i> , 2013, 84, S87-S88.	1.3	0
72	Analysis of N-Glycosylation of Total Membrane Proteins. <i>Methods in Molecular Biology</i> , 2017, 1503, 197-205.	0.4	0