Olga Gornik

List of Publications by Year
in descending order

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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	Development of an exoglycosidase plate-based assay for detecting Î±1-3,4 fucosylation biomarker in individuals with HNF1A-MODY. Glycobiology, 2022, 32, 230-238.	1.3	3
2	Fucosylated AGP glycopeptides as biomarkers of HNF1A-Maturity onset diabetes of the young. Diabetes Research and Clinical Practice, 2022, 185, 109226.	1.1	4
3	Comparison of self-sampling blood collection for N-glycosylation analysis. BMC Research Notes, 2022, 15, 61.	0.6	2
4	Changes in Specific Biomarkers Indicate Cardiac Adaptive and Anti-inflammatory Response of Repeated Recreational SCUBA Diving. Frontiers in Cardiovascular Medicine, 2022, 9, 855682.	1.1	3
5	N-Glycosylation Patterns across the Age-Related Macular Degeneration Spectrum. Molecules, 2022, 27, 1774.	1.7	3
6	Developments and perspectives in high-throughput protein glycomics: enabling the analysis of thousands of samples. Glycobiology, 2022, 32, 651-663.	1.3	24
7	Children at onset of type 1 diabetes show altered N-glycosylation of plasma proteins and IgG. Diabetologia, 2022, 65, 1315-1327.	2.9	8
8	High-Throughput and Site-Specific N-Glycosylation Analysis of Human Alpha-1-Acid Glycoprotein Offers a Great Potential for New Biomarker Discovery. Molecular and Cellular Proteomics, 2021, 20, 100044.	2.5	29
9	Interlaboratory evaluation of plasma N-glycan antennary fucosylation as a clinical biomarker for HNF1A-MODY using liquid chromatography methods. Glycoconjugate Journal, 2021, 38, 375-386.	1.4	10
10	Extensive weight loss reduces glycan age by altering IgG N-glycosylation. International Journal of Obesity, 2021, 45, 1521-1531.	1.6	29
11	The effect of n-3 polyunsaturated fatty acids-enriched hen eggs consumption on IgG and total plasma protein N-glycosylation in healthy individuals and cardiovascular patients. Glycobiology, 2021, 31, 1163-1175.	1.3	2
12	N-glycosylation of immunoglobulin G predicts incident hypertension. Journal of Hypertension, 2021, 39, 2527-2533.	0.3	13
13	Plasma N-glycome shows continuous deterioration as the diagnosis of insulin resistance approaches. BMJ Open Diabetes Research and Care, 2021, 9, e002263.	1.2	13
14	Protein Glycosylation in Diabetes. Advances in Experimental Medicine and Biology, 2021, 1325, 285-305.	0.8	6
15	Plasma N-Glycans as Emerging Biomarkers of Cardiometabolic Risk: A Prospective Investigation in the EPIC-Potsdam Cohort Study. Diabetes Care, 2020, 43, 661-668.	4.3	64
16	Glycosylation Alterations in Multiple Sclerosis Show Increased Proinflammatory Potential. Biomedicines, 2020, 8, 410.	1.4	26
17	Association of the IgG N-glycome with the course of kidney function in type 2 diabetes. BMJ Open Diabetes Research and Care, 2020, 8, e001026.	1.2	23
18	A precise and versatile platform for rapid glycosylation analysis of brain tissue. Analytical Methods, 2020, 12, 1786-1797.	1.3	5

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19	Altered Nâ€glycosylation profiles as potential biomarkers and drug targets in diabetes. FEBS Letters, 2019, 593, 1598-1615.	1.3	85
20	Intense Physical Exercise Induces an Anti-inflammatory Change in IgG N-Glycosylation Profile. Frontiers in Physiology, 2019, 10, 1522.	1.3	28
21	Plasma Fucosylated Glycans and C-Reactive Protein as Biomarkers of HNF1A-MODY in Young Adultâ€“Onset Nonautoimmune Diabetes. Diabetes Care, 2019, 42, 17-26.	4.3	44
22	Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases. Gastroenterology, 2018, 154, 1320-1333.e10.	0.6	116
23	N-Glycan Profile and Kidney Disease in Type 1 Diabetes. Diabetes Care, 2018, 41, 79-87.	4.3	75
24	N-glycosylation patterns of plasma proteins and immunoglobulin G in chronic obstructive pulmonary disease. Journal of Translational Medicine, 2018, 16, 323.	1.8	49
25	Comparison of 2-Aminobenzamide, Procainamide and RapiFluor-MS as Derivatizing Agents for High-Throughput HILIC-UPLC-FLR-MS N-glycan Analysis. Frontiers in Chemistry, 2018, 6, 324.	1.8	94
26	Plasma N-Glycan Signatures Are Associated With Features ofÂInflammatory Bowel Diseases. Gastroenterology, 2018, 155, 829-843.	0.6	80
27	Maturity onset diabetes of the young due to HNF1A variants in Croatia. Biochemia Medica, 2018, 28, 020703.	1.2	17
28	Micronucleus, cell-free DNA, and plasma glycan composition in the newborns of healthy and diabetic mothers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 815, 6-15.	0.9	4
29	Effects of statins on the immunoglobulin G glycome. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1152-1158.	1.1	20
30	Increased plasma N-glycome complexity is associated with higher risk of type 2 diabetes. Diabetologia, 2017, 60, 2352-2360.	2.9	78
31	IgG glycan patterns are associated with type 2 diabetes in independent European populations. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2240-2249.	1.1	93
32	Analysis of N-Glycosylation of Total Membrane Proteins. Methods in Molecular Biology, 2017, 1503, 197-205.	0.4	0
33	Changes in total plasma and serum N-glycome composition and patient-controlled analgesia after major abdominal surgery. Scientific Reports, 2016, 6, 31234.	1.6	28
34	Separation and Purification of Glycans Out of Glycoproteins. Springer Protocols, 2016, , 377-388.	0.1	2
35	Enrichment of hydrophobic membrane proteins using Triton X-114 and subsequent analysis of their N-glycosylation. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1710-1715.	1.1	8
36	Association of Systemic Lupus Erythematosus With Decreased Immunosuppressive Potential of the IgG Glycome. Arthritis and Rheumatology, 2015, 67, 2978-2989.	2.9	211

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37	Inflammatory Bowel Disease Associates with Proinflammatory Potential of the Immunoglobulin G Glycome. Inflammatory Bowel Diseases, 2015, 21, 1.	0.9	161
38	Estimation of human age using N-glycan profiles from bloodstains. International Journal of Legal Medicine, 2015, 129, 955-961.	1.2	22
39	Comparative Performance of Four Methods for High-throughput Glycosylation Analysis of Immunoglobulin G in Genetic and Epidemiological Research. Molecular and Cellular Proteomics, 2014, 13, 1598-1610.	2.5	169
40	Glycans Are a Novel Biomarker of Chronological and Biological Ages. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 779-789.	1.7	297
41	Prognostic value of cell-free DNA in plasma of out-of-hospital cardiac arrest survivors at ICU admission and 24h post-admission. Resuscitation, 2014, 85, 233-237.	1.3	20
42	Changes in IgG and total plasma protein glycomes in acute systemic inflammation. Scientific Reports, 2014, 4, 4347.	1.6	125
43	Prognostic value of cell-free DNA in plasma of out-of-hospital cardiac arrest survivors quantified at ICU admission and 24h post-admission. Resuscitation, 2013, 84, S87-S88.	1.3	0
44	Mutations in HNF1A Result in Marked Alterations of Plasma Glycan Profile. Diabetes, 2013, 62, 1329-1337.	0.3	97
45	Loci Associated with N-Glycosylation of Human Immunoglobulin G Show Pleiotropy with Autoimmune Diseases and Haematological Cancers. PLoS Genetics, 2013, 9, e1003225.	1.5	323
46	Glycosylation of Immunoglobulin G: Role of Genetic and Epigenetic Influences. PLoS ONE, 2013, 8, e82558.	1.1	105
47	Epigenetic silencing ofHNF1Aassociates with changes in the composition of the human plasmaN-glycome. Epigenetics, 2012, 7, 164-172.	1.3	37
48	Alternative glycosylation modulates function of IgG and other proteins â€" Implications on evolution and disease. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1318-1326.	1.1	117
49	Robustness testing of the high throughput HPLC-based analysis of plasma N-glycans. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1399-1404.	1.1	7
50	Changes in plasma and IgG N-glycome during childhood and adolescence. Glycobiology, 2012, 22, 975-982.	1.3	61
51	High Throughput Isolation and Glycosylation Analysis of IgGâ€"Variability and Heritability of the IgG Glycome in Three Isolated Human Populations. Molecular and Cellular Proteomics, 2011, 10, M111.010090.	2.5	443
52	High throughput plasma N-glycome profiling using multiplexed labelling and UPLC with fluorescence detection. Analyst, The, 2011, 136, 4670.	1.7	38
53	Glycomics meets lipidomicsâ€"associations of N-glycans with classical lipids, glycerophospholipids, and sphingolipids in three European populations. Molecular BioSystems, 2011, 7, 1852.	2.9	19
54	Evaluation of Cell-Free DNA in Plasma and Serum as Early Predictors of Severity in Acute Pancreatitis. Pancreas, 2011, 40, 787-788.	0.5	9

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55	Change of Transferrin Sialylation Differs between Mild Sepsis and Severe Sepsis and Septic Shock. Internal Medicine, 2011, 50, 861-869.	0.3	14
56	Does inbreeding affect N-glycosylation of human plasma proteins?. Molecular Genetics and Genomics, 2011, 285, 427-432.	1.0	2
57	Polymorphisms in B3GAT1, SLC9A9 and MGAT5 are associated with variation within the human plasma N-glycome of 3533 European adults. Human Molecular Genetics, 2011, 20, 5000-5011.	1.4	74
58	Human Plasma Glycome in Attention-Deficit Hyperactivity Disorder and Autism Spectrum Disorders. Molecular and Cellular Proteomics, 2011, 10, M110.004200.	2.5	34
59	Genomics Meets Glycomicsâ€"The First GWAS Study of Human N-Glycome Identifies HNF1Î± as a Master Regulator of Plasma Protein Fucosylation. PLoS Genetics, 2010, 6, e1001256.	1.5	213
60	Common aberrations from the normal human plasma N-glycan profile. Glycobiology, 2010, 20, 970-975.	1.3	44
61	Effects of aging, body mass index, plasma lipid profiles, and smoking on human plasma N-glycans. Glycobiology, 2010, 20, 959-969.	1.3	207
62	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. Nature Precedings, 2009, , .	0.1	6
63	Stability of N-glycan profiles in human plasma. Glycobiology, 2009, 19, 1547-1553.	1.3	126
64	Free serum DNA is an early predictor of severity in acute pancreatitis. Clinical Biochemistry, 2009, 42, 38-43.	0.8	25
65	Variability, Heritability and Environmental Determinants of Human Plasma N-Glycome. Journal of Proteome Research, 2009, 8, 694-701.	1.8	212
66	Change in transferrin sialylation is a potential prognostic marker for severity of acute pancreatitis. Clinical Biochemistry, 2008, 41, 504-510.	0.8	21
67	Glycosylation of Serum Proteins in Inflammatory Diseases. Disease Markers, 2008, 25, 267-278.	0.6	209
68	Genetic evidence for the identity ofCaulerpa racemosa(ForsskÃ¥l) J. Agardh (Caulerpales, Chlorophyta) in the Adriatic Sea. European Journal of Phycology, 2007, 42, 113-120.	0.9	9
69	Changes of Serum Glycans During Sepsis and Acute Pancreatitis. Glycobiology, 2007, 17, 1321-1332.	1.3	69
70	HbA1c is outcome predictor in diabetic patients with sepsis. Diabetes Research and Clinical Practice, 2007, 77, 120-125.	1.1	34
71	Enzyme linked lectin assay (ELLA) for direct analysis of transferrin sialylation in serum samples. Clinical Biochemistry, 2007, 40, 718-723.	0.8	41
72	Glycoscience -- a new frontier in rational drug design. Acta Pharmaceutica, 2006, 56, 19-30.	0.9	16