

# Radka Saldova

## List of Publications by Year in descending order

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80  
papers

4,009  
citations

147801

31  
h-index

123424

61  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ovarian Cancer is Associated with Changes in Glycosylation in Both Acute-Phase Proteins and IgG. <i>Glycobiology</i> , 2007, 17, 1344-1356.	2.5	369
2	Evaluation of the serum N-linked glycome for the diagnosis of cancer and chronic inflammation. <i>Proteomics</i> , 2008, 8, 3284-3293.	2.2	296
3	Aberrant PSA glycosylation—a sweet predictor of prostate cancer. <i>Nature Reviews Urology</i> , 2013, 10, 99-107.	3.8	206
4	A strategy to reveal potential glycan markers from serum glycoproteins associated with breast cancer progression. <i>Glycobiology</i> , 2008, 18, 1105-1118.	2.5	196
5	Novel Glycan Biomarkers for the Detection of Lung Cancer. <i>Journal of Proteome Research</i> , 2011, 10, 1755-1764.	3.7	181
6	Glycosylation engineering of therapeutic IgG antibodies: challenges for the safety, functionality and efficacy. <i>Protein and Cell</i> , 2018, 9, 47-62.	11.0	179
7	Core fucosylation and $\alpha$ 2-3 sialylation in serum N-glycome is significantly increased in prostate cancer comparing to benign prostate hyperplasia. <i>Glycobiology</i> , 2011, 21, 195-205.	2.5	167
8	Glycosylation Changes on Serum Glycoproteins in Ovarian Cancer May Contribute to Disease Pathogenesis. <i>Disease Markers</i> , 2008, 25, 219-232.	1.3	161
9	The Role and Importance of Glycosylation of Acute Phase Proteins with Focus on Alpha-1 Antitrypsin in Acute and Chronic Inflammatory Conditions. <i>Journal of Proteome Research</i> , 2014, 13, 3131-3143.	3.7	124
10	Association of N-Glycosylation with Breast Carcinoma and Systemic Features Using High-Resolution Quantitative UPLC. <i>Journal of Proteome Research</i> , 2014, 13, 2314-2327.	3.7	123
11	Glycosylation of liver acute-phase proteins in pancreatic cancer and chronic pancreatitis. <i>Proteomics - Clinical Applications</i> , 2010, 4, 432-448.	1.6	115
12	Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes. <i>Theranostics</i> , 2016, 6, 1190-1204.	10.0	104
13	Identification of N-Glycosylation Changes in the CSF and Serum in Patients with Schizophrenia. <i>Journal of Proteome Research</i> , 2010, 9, 4476-4489.	3.7	87
14	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 11-30.	3.8	87
15	Current Methods for the Characterization of O-Glycans. <i>Journal of Proteome Research</i> , 2020, 19, 3890-3905.	3.7	73
16	Changes of Serum Glycans During Sepsis and Acute Pancreatitis. <i>Glycobiology</i> , 2007, 17, 1321-1332.	2.5	69
17	Exploring the Glycosylation of Serum CA125. <i>International Journal of Molecular Sciences</i> , 2013, 14, 15636-15654.	4.1	67
18	Levels of specific serum N-glycans identify breast cancer patients with higher circulating tumor cell counts. <i>Annals of Oncology</i> , 2011, 22, 1113-1119.	1.2	64

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19	5-AZA-2'-deoxycytidine induced demethylation influences N-glycosylation of secreted glycoproteins in ovarian cancer. <i>Epigenetics</i> , 2011, 6, 1362-1372.	2.7	63
20	Erythropoietin Produced in a Human Cell Line (Dynepo) Has Significant Differences in Glycosylation Compared with Erythropoietins Produced in CHO Cell Lines. <i>Molecular Pharmaceutics</i> , 2011, 8, 286-296.	4.6	61
21	IgG N-glycans as potential biomarkers for determining galactose tolerance in Classical Galactosaemia. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 212-220.	1.1	56
22	Glycan Characterization of PSA 2-DE Subforms from Serum and Seminal Plasma. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 465-474.	2.0	55
23	N-Glycan Abnormalities in Children with Galactosemia. <i>Journal of Proteome Research</i> , 2014, 13, 385-394.	3.7	50
24	The association between the maternal diet and the maternal and infant gut microbiome: a systematic review. <i>British Journal of Nutrition</i> , 2023, 129, 1491-1499.	2.3	50
25	Glycosylation status of serum in inflammatory arthritis in response to anti-TNF treatment. <i>Rheumatology</i> , 2013, 52, 1572-1582.	1.9	47
26	Identification of potential pancreatic cancer serum markers: Increased sialyl-Lewis X on ceruloplasmin. <i>Clinica Chimica Acta</i> , 2015, 442, 56-62.	1.1	44
27	Levels of specific glycans significantly distinguish lymph node-positive from lymph node-negative breast cancer patients. <i>Glycobiology</i> , 2010, 20, 1283-1288.	2.5	41
28	Integrating biomarkers across omic platforms: an approach to improve stratification of patients with indolent and aggressive prostate cancer. <i>Molecular Oncology</i> , 2018, 12, 1513-1525.	4.6	41
29	Circular trimers of gelatinase B/matrix metalloproteinase-9 constitute a distinct population of functional enzyme molecules differentially regulated by tissue inhibitor of metalloproteinases-1. <i>Biochemical Journal</i> , 2015, 465, 259-270.	3.7	39
30	Epigenetic regulation of glycosylation and the impact on chemo-resistance in breast and ovarian cancer. <i>Epigenetics</i> , 2016, 11, 845-857.	2.7	39
31	Increase in Sialylation and Branching in the Mouse Serum N-glycome Correlates with Inflammation and Ovarian Tumour Progression. <i>PLoS ONE</i> , 2013, 8, e71159.	2.5	37
32	Serum N-glycan analysis in breast cancer patients – Relation to tumour biology and clinical outcome. <i>Molecular Oncology</i> , 2016, 10, 59-72.	4.6	34
33	Glycosylation Repurposes Alpha-1 Antitrypsin for Resolution of Community-acquired Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1346-1349.	5.6	33
34	Serum N-glycome alterations in breast cancer during multimodal treatment and follow-up. <i>Molecular Oncology</i> , 2017, 11, 1361-1379.	4.6	32
35	Association of Medication with the Human Plasma N-Glycome. <i>Journal of Proteome Research</i> , 2012, 11, 1821-1831.	3.7	30
36	IgG Fc glycosylation as an axis of humoral immunity in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 710-713.e9.	2.9	27

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37	Antipsychotic Treatment of Acute Paranoid Schizophrenia Patients with Olanzapine Results in Altered Glycosylation of Serum Glycoproteins. <i>Journal of Proteome Research</i> , 2012, 11, 3743-3752.	3.7	26
38	Circulating Markers of Inflammation Persist in Children and Adults With Giant Aneurysms After Kawasaki Disease. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002433.	3.6	26
39	<i>N</i> -Glycosylation of Serum IgG and Total Glycoproteins in MAN1B1 Deficiency. <i>Journal of Proteome Research</i> , 2015, 14, 4402-4412.	3.7	25
40	<i>N</i> -glycan signatures identified in tumor interstitial fluid and serum of breast cancer patients: association with tumor biology and clinical outcome. <i>Molecular Oncology</i> , 2018, 12, 972-990.	4.6	24
41	Region-Specific Characterization of <i>N</i> -Glycans in the Striatum and Substantia Nigra of an Adult Rodent Brain. <i>Analytical Chemistry</i> , 2020, 92, 12842-12851.	6.5	24
42	Deep phenotyping classical galactosemia: clinical outcomes and biochemical markers. <i>Brain Communications</i> , 2020, 2, fcaa006.	3.3	24
43	Complete spatial characterisation of N-glycosylation upon striatal neuroinflammation in the rodent brain. <i>Journal of Neuroinflammation</i> , 2021, 18, 116.	7.2	23
44	Increased Outer Arm and Core Fucose Residues on the <i>N</i> -Glycans of Mutated Alpha-1 Antitrypsin Protein from Alpha-1 Antitrypsin Deficient Individuals. <i>Journal of Proteome Research</i> , 2014, 13, 596-605.	3.7	22
45	Circulating Truncated Alpha-1 Antitrypsin Glycoprotein in Patient Plasma Retains Anti-Inflammatory Capacity. <i>Journal of Immunology</i> , 2019, 202, 2240-2253.	0.8	20
46	Hypoxia Alters Epigenetic and N-Glycosylation Profiles of Ovarian and Breast Cancer Cell Lines in-vitro. <i>Frontiers in Oncology</i> , 2020, 10, 1218.	2.8	20
47	The <i>O</i> -Glycome of Human Nigrostriatal Tissue and Its Alteration in Parkinson's Disease. <i>Journal of Proteome Research</i> , 2021, 20, 3913-3924.	3.7	20
48	Novel diagnostic options for endometriosis – Based on the glycome and microbiome. <i>Journal of Advanced Research</i> , 2021, 33, 167-181.	9.5	19
49	A Robust and Versatile Automated Glycoanalytical Technology for Serum Antibodies and Acute Phase Proteins: Ovarian Cancer Case Study. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 2191-2206.	3.8	18
50	Comprehensive N-Glycan Profiling of Avian Immunoglobulin Y. <i>PLoS ONE</i> , 2016, 11, e0159859.	2.5	18
51	The Presence of Outer Arm Fucose Residues on the <i>N</i> -Glycans of Tissue Inhibitor of Metalloproteinases-1 Reduces Its Activity. <i>Journal of Proteome Research</i> , 2013, 12, 3547-3560.	3.7	17
52	Advances in analytical methodologies to guide bioprocess engineering for bio-therapeutics. <i>Methods</i> , 2017, 116, 63-83.	3.8	17
53	Characterisation of the main PSA glycoforms in aggressive prostate cancer. <i>Scientific Reports</i> , 2020, 10, 18974.	3.3	17
54	Maternal and infant factors that shape neonatal gut colonization by bacteria. <i>Expert Review of Gastroenterology and Hepatology</i> , 2020, 14, 651-664.	3.0	16

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55	Chapter 3. Changes in Serum N-Glycosylation Profiles: Functional Significance and Potential for Diagnostics. <i>Carbohydrate Chemistry</i> , 2011, , 57-93.	0.3	16
56	Groove-type Recognition of Chlamydiaceae-specific Lipopolysaccharide Antigen by a Family of Antibodies Possessing an Unusual Variable Heavy Chain N-Linked Glycan. <i>Journal of Biological Chemistry</i> , 2014, 289, 16644-16661.	3.4	15
57	Glycosylation in Indolent, Significant and Aggressive Prostate Cancer by Automated High-Throughput N-Glycan Profiling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9233.	4.1	14
58	Anti-D monoclonal antibodies from 23 human and rodent cell lines display diverse IgG Fc-glycosylation profiles that determine their clinical efficacy. <i>Scientific Reports</i> , 2020, 10, 1464.	3.3	14
59	Enhanced Immunomodulatory Effect of Intravenous Immunoglobulin by Fc Galactosylation and Nonfucosylation. <i>Frontiers in Immunology</i> , 2022, 13, 818382.	4.8	13
60	<i>N</i> -Linked glycosylation profiles of therapeutic induced senescent (TIS) triple negative breast cancer cells (TNBC) and their extracellular vesicle (EV) progeny. <i>Molecular Omics</i> , 2021, 17, 72-85.	2.8	12
61	Can a probiotic supplement in pregnancy result in transfer to the neonatal gut: A systematic review. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020, 99, 1269-1277.	2.8	11
62	5-AZA-dC induces epigenetic changes associated with modified glycosylation of secreted glycoproteins and increased EMT and migration in chemo-sensitive cancer cells. <i>Clinical Epigenetics</i> , 2021, 13, 34.	4.1	11
63	Cause of cancer and chronic inflammatory diseases and the implications for treatment. <i>Discovery Medicine</i> , 2016, 22, 105-119.	0.5	11
64	Serum <i>N</i> -Glycome Characterization in Patients with Resectable Periampullary Adenocarcinoma. <i>Journal of Proteome Research</i> , 2015, 14, 5144-5156.	3.7	10
65	Expression, Purification, and Biochemical Characterization of Human Afamin. <i>Journal of Proteome Research</i> , 2018, 17, 1269-1277.	3.7	8
66	Resident bacteria in breast cancer tissue: pathogenic agents or harmless commensals?. <i>Discovery Medicine</i> , 2018, 26, 93-102.	0.5	8
67	Identification and characterization of <i>O</i> -linked glycans in cervical mucus as biomarkers of sperm transport: A novel sheep model. <i>Glycobiology</i> , 2022, 32, 23-35.	2.5	7
68	Quantitative levels of serum <i>N</i> -glycans in type 1 diabetes and their association with kidney disease. <i>Glycobiology</i> , 2021, 31, 613-623.	2.5	6
69	Greedy feature selection for glycan chromatography data with the generalized Dirichlet distribution. <i>BMC Bioinformatics</i> , 2013, 14, 155.	2.6	4
70	Abnormal N-glycan fucosylation, galactosylation, and sialylation of IgG in adults with classical galactosemia, influence of dietary galactose intake. <i>JIMD Reports</i> , 2021, 61, 76-88.	1.5	4
71	Changes in Serum N-Glycome for Risk Drinkers: A Comparison with Standard Markers for Alcohol Abuse in Men and Women. <i>Biomolecules</i> , 2022, 12, 241.	4.0	4
72	Distinct Glycosylation Responses to Spinal Cord Injury in Regenerative and Nonregenerative Models. <i>Journal of Proteome Research</i> , 2022, , .	3.7	4

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73	Importance and Monitoring of Therapeutic Immunoglobulin G Glycosylation. <i>Experientia Supplementum</i> (2012), 2021, 112, 481-517.	0.9	3
74	Commentary on paper: 5-Aza-2'-deoxycytidine increases sialyl Lewis X on MUC1 by stimulating Î²-galactoside:Î±2,3-sialyltransferase 6 gene (Chachadi et al.). <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 737.	2.8	2
75	Glycoproteomics in Health and Disease. , 2010, , 1-38.		1
76	Micro-Heterogeneity of Antibody Molecules. <i>Experientia Supplementum</i> (2012), 2021, 112, 1-26.	0.9	1
77	PO-368 Epigenetic regulation of glycosylation and the impact on chemoresistance in ovarian and breast cancer. <i>ESMO Open</i> , 2018, 3, A165-A166.	4.5	0
78	214: Lifestyle, metabolic health and the gut microbiome in early pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, S148-S149.	1.3	0
79	Abstract 5544: New technologies to probe the systems glycobiology of cancer. , 2017, , .		0
80	Abstract 2423: Hypoxia regulates tumor cell invasiveness through altered glycosylation. , 2018, , .		0