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	The association between the maternal diet and the maternal and infant gut microbiome: a systematic review. British Journal of Nutrition, 2023, 129, 1491-1499.	2.3	50
2	Identification and characterization of O-linked glycans in cervical mucus as biomarkers of sperm transport: A novel sheep model. Glycobiology, 2022, 32, 23-35.	2.5	7
3	Enhanced Immunomodulatory Effect of Intravenous Immunoglobulin by Fc Galactosylation and Nonfucosylation. Frontiers in Immunology, 2022, 13, 818382.	4.8	13
4	Changes in Serum N-Glycome for Risk Drinkers: A Comparison with Standard Markers for Alcohol Abuse in Men and Women. Biomolecules, 2022, 12, 241.	4.0	4
5	Distinct Glycosylation Responses to Spinal Cord Injury in Regenerative and Nonregenerative Models. Journal of Proteome Research, 2022, , .	3.7	4
6	Quantitative levels of serum N-glycans in type 1 diabetes and their association with kidney disease. Glycobiology, 2021, 31, 613-623.	2.5	6
7	N-Linked glycosylation profiles of therapeutic induced senescent (TIS) triple negative breast cancer cells (TNBC) and their extracellular vesicle (EV) progeny. Molecular Omics, 2021, 17, 72-85.	2.8	12
8	5-AZA-dC induces epigenetic changes associated with modified glycosylation of secreted glycoproteins and increased EMT and migration in chemo-sensitive cancer cells. Clinical Epigenetics, 2021, 13, 34.	4.1	11
9	Complete spatial characterisation of N-glycosylation upon striatal neuroinflammation in the rodent brain. Journal of Neuroinflammation, 2021, 18, 116.	7.2	23
10	The O-Glycome of Human Nigrostriatal Tissue and Its Alteration in Parkinsonâ€™s Disease. Journal of Proteome Research, 2021, 20, 3913-3924.	3.7	20
11	Abnormal N â€glycan fucosylation, galactosylation, and sialylation of IgG in adults with classical galactosemia, influence of dietary galactose intake. JIMD Reports, 2021, 61, 76-88.	1.5	4
12	Novel diagnostic options for endometriosis â€“ Based on the glycome and microbiome. Journal of Advanced Research, 2021, 33, 167-181.	9.5	19
13	Importance and Monitoring of Therapeutic Immunoglobulin G Glycosylation. Experientia Supplementum (2012), 2021, 112, 481-517.	0.9	3
14	Micro-Heterogeneity of Antibody Molecules. Experientia Supplementum (2012), 2021, 112, 1-26.	0.9	1
15	NIST Interlaboratory Study on Glycosylation Analysis of Monoclonal Antibodies: Comparison of Results from Diverse Analytical Methods. Molecular and Cellular Proteomics, 2020, 19, 11-30.	3.8	87
16	IgG Fc glycosylation as an axis of humoral immunity in childhood. Journal of Allergy and Clinical Immunology, 2020, 145, 710-713.e9.	2.9	27
17	214: Lifestyle, metabolic health and the gut microbiome in early pregnancy. American Journal of Obstetrics and Gynecology, 2020, 222, S148-S149.	1.3	0
18	Glycosylation in Indolent, Significant and Aggressive Prostate Cancer by Automated High-Throughput N-Glycan Profiling. International Journal of Molecular Sciences, 2020, 21, 9233.	4.1	14

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19	Hypoxia Alters Epigenetic and N-Glycosylation Profiles of Ovarian and Breast Cancer Cell Lines in-vitro. Frontiers in Oncology, 2020, 10, 1218.	2.8	20
20	Current Methods for the Characterization of O-Glycans. Journal of Proteome Research, 2020, 19, 3890-3905.	3.7	73
21	Region-Specific Characterization of N-Glycans in the Striatum and Substantia Nigra of an Adult Rodent Brain. Analytical Chemistry, 2020, 92, 12842-12851.	6.5	24
22	Characterisation of the main PSA glycoforms in aggressive prostate cancer. Scientific Reports, 2020, 10, 18974.	3.3	17
23	Can a probiotic supplement in pregnancy result in transfer to the neonatal gut: A systematic review. Acta Obstetricia Et Gynecologica Scandinavica, 2020, 99, 1269-1277.	2.8	11
24	Maternal and infant factors that shape neonatal gut colonization by bacteria. Expert Review of Gastroenterology and Hepatology, 2020, 14, 651-664.	3.0	16
25	Anti-D monoclonal antibodies from 23 human and rodent cell lines display diverse IgG Fc-glycosylation profiles that determine their clinical efficacy. Scientific Reports, 2020, 10, 1464.	3.3	14
26	Deep phenotyping classical galactosemia: clinical outcomes and biochemical markers. Brain Communications, 2020, 2, fcaa006.	3.3	24
27	Circulating Markers of Inflammation Persist in Children and Adults With Giant Aneurysms After Kawasaki Disease. Circulation Genomic and Precision Medicine, 2019, 12, e002433.	3.6	26
28	Circulating Truncated Alpha-1 Antitrypsin Glycoprotein in Patient Plasma Retains Anti-Inflammatory Capacity. Journal of Immunology, 2019, 202, 2240-2253.	0.8	20
29	A Robust and Versatile Automated Glycoanalytical Technology for Serum Antibodies and Acute Phase Proteins: Ovarian Cancer Case Study. Molecular and Cellular Proteomics, 2019, 18, 2191-2206.	3.8	18
30	Expression, Purification, and Biochemical Characterization of Human Afamin. Journal of Proteome Research, 2018, 17, 1269-1277.	3.7	8
31	Nâ€glycan signatures identified in tumor interstitial fluid and serum of breast cancer patients: association with tumor biology and clinical outcome. Molecular Oncology, 2018, 12, 972-990.	4.6	24
32	Glycosylation engineering of therapeutic IgG antibodies: challenges for the safety, functionality and efficacy. Protein and Cell, 2018, 9, 47-62.	11.0	179
33	Glycosylation Repurposes Alpha-1 Antitrypsin for Resolution of Community-acquired Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1346-1349.	5.6	33
34	PO-368 Epigenetic regulation of glycosylation and the impact on chemoresistance in ovarian and breast cancer. ESMO Open, 2018, 3, A165-A166.	4.5	0
35	Integrating biomarkers across omic platforms: an approach to improve stratification of patients with indolent and aggressive prostate cancer. Molecular Oncology, 2018, 12, 1513-1525.	4.6	41
36	Abstract 2423: Hypoxia regulates tumor cell invasiveness through altered glycosylation. , 2018, , .		0

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37	Resident bacteria in breast cancer tissue: pathogenic agents or harmless commensals?. Discovery Medicine, 2018, 26, 93-102.	0.5	8
38	Serum Nâ€glycome alterations in breast cancer during multimodal treatment and followâ€up. Molecular Oncology, 2017, 11, 1361-1379.	4.6	32
39	Advances in analytical methodologies to guide bioprocess engineering for bio-therapeutics. Methods, 2017, 116, 63-83.	3.8	17
40	Abstract 5544: New technologies to probe the systems glycobiology of cancer. , 2017, , .		0
41	Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes. Theranostics, 2016, 6, 1190-1204.	10.0	104
42	Serum Nâ€glycan analysis in breast cancer patients â€“ Relation to tumour biology and clinical outcome. Molecular Oncology, 2016, 10, 59-72.	4.6	34
43	Epigenetic regulation of glycosylation and the impact on chemo-resistance in breast and ovarian cancer. Epigenetics, 2016, 11, 845-857.	2.7	39
44	Comprehensive N-Glycan Profiling of Avian Immunoglobulin Y. PLoS ONE, 2016, 11, e0159859.	2.5	18
45	Cause of cancer and chronic inflammatory diseases and the implications for treatment. Discovery Medicine, 2016, 22, 105-119.	0.5	11
46	Serum N-Glycome Characterization in Patients with Resectable Periampullary Adenocarcinoma. Journal of Proteome Research, 2015, 14, 5144-5156.	3.7	10
47	Identification of potential pancreatic cancer serum markers: Increased sialyl-Lewis X on ceruloplasmin. Clinica Chimica Acta, 2015, 442, 56-62.	1.1	44
48	Circular trimers of gelatinase B/matrix metalloproteinase-9 constitute a distinct population of functional enzyme molecules differentially regulated by tissue inhibitor of metalloproteinases-1. Biochemical Journal, 2015, 465, 259-270.	3.7	39
49	N-Glycosylation of Serum IgG and Total Glycoproteins in MAN1B1 Deficiency. Journal of Proteome Research, 2015, 14, 4402-4412.	3.7	25
50	N-Glycan Abnormalities in Children with Galactosemia. Journal of Proteome Research, 2014, 13, 385-394.	3.7	50
51	The Role and Importance of Glycosylation of Acute Phase Proteins with Focus on Alpha-1 Antitrypsin in Acute and Chronic Inflammatory Conditions. Journal of Proteome Research, 2014, 13, 3131-3143.	3.7	124
52	Increased Outer Arm and Core Fucose Residues on the N-Glycans of Mutated Alpha-1 Antitrypsin Protein from Alpha-1 Antitrypsin Deficient Individuals. Journal of Proteome Research, 2014, 13, 596-605.	3.7	22
53	Association of N-Glycosylation with Breast Carcinoma and Systemic Features Using High-Resolution Quantitative UPLC. Journal of Proteome Research, 2014, 13, 2314-2327.	3.7	123
54	Groove-type Recognition of Chlamydiaceae-specific Lipopolysaccharide Antigen by a Family of Antibodies Possessing an Unusual Variable Heavy Chain N-Linked Glycan. Journal of Biological Chemistry, 2014, 289, 16644-16661.	3.4	15

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55	The Presence of Outer Arm Fucose Residues on the N-Glycans of Tissue Inhibitor of Metalloproteinases-1 Reduces Its Activity. Journal of Proteome Research, 2013, 12, 3547-3560.	3.7	17
56	Greedy feature selection for glycan chromatography data with the generalized Dirichlet distribution. BMC Bioinformatics, 2013, 14, 155.	2.6	4
57	Glycosylation status of serum in inflammatory arthritis in response to anti-TNF treatment. Rheumatology, 2013, 52, 1572-1582.	1.9	47
58	Aberrant PSA glycosylationâ€"a sweet predictor of prostate cancer. Nature Reviews Urology, 2013, 10, 99-107.	3.8	206
59	Exploring the Glycosylation of Serum CA125. International Journal of Molecular Sciences, 2013, 14, 15636-15654.	4.1	67
60	Increase in Sialylation and Branching in the Mouse Serum N-glycome Correlates with Inflammation and Ovarian Tumour Progression. PLoS ONE, 2013, 8, e71159.	2.5	37
61	Antipsychotic Treatment of Acute Paranoid Schizophrenia Patients with Olanzapine Results in Altered Glycosylation of Serum Glycoproteins. Journal of Proteome Research, 2012, 11, 3743-3752.	3.7	26
62	IgG N-glycans as potential biomarkers for determining galactose tolerance in Classical Galactosaemia. Molecular Genetics and Metabolism, 2012, 105, 212-220.	1.1	56
63	Commentary on paper: 5-Aza-2â€²-deoxycytidine increases sialyl Lewis X on MUC1 by stimulating Î²-galactoside:Î±2,3-sialyltransferase 6 gene (Chachadi et al.). International Journal of Biochemistry and Cell Biology, 2012, 44, 737.	2.8	2
64	Association of Medication with the Human Plasma N-Glycome. Journal of Proteome Research, 2012, 11, 1821-1831.	3.7	30
65	Novel Glycan Biomarkers for the Detection of Lung Cancer. Journal of Proteome Research, 2011, 10, 1755-1764.	3.7	181
66	Erythropoietin Produced in a Human Cell Line (Dynepo) Has Significant Differences in Glycosylation Compared with Erythropoietins Produced in CHO Cell Lines. Molecular Pharmaceutics, 2011, 8, 286-296.	4.6	61
67	5-AZA-2'-deoxycytidine induced demethylation influencesN-glycosylation of secreted glycoproteins in ovarian cancer. Epigenetics, 2011, 6, 1362-1372.	2.7	63
68	Levels of specific serum N-glycans identify breast cancer patients with higher circulating tumor cell counts. Annals of Oncology, 2011, 22, 1113-1119.	1.2	64
69	Core fucosylation and Â2-3 sialylation in serum N-glycome is significantly increased in prostate cancer comparing to benign prostate hyperplasia. Glycobiology, 2011, 21, 195-205.	2.5	167
70	Chapter 3. Changes in Serum N-Glycosylation Profiles: Functional Significance and Potential for Diagnostics. Carbohydrate Chemistry, 2011, , 57-93.	0.3	16
71	Glycosylation of liver acuteâ€phase proteins in pancreatic cancer and chronic pancreatitis. Proteomics - Clinical Applications, 2010, 4, 432-448.	1.6	115
72	Levels of specific glycans significantly distinguish lymph node-positive from lymph node-negative breast cancer patients. Glycobiology, 2010, 20, 1283-1288.	2.5	41

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73	Identification of N-Glycosylation Changes in the CSF and Serum in Patients with Schizophrenia. Journal of Proteome Research, 2010, 9, 4476-4489.	3.7	87
74	Glycan Characterization of PSA 2-DE Subforms from Serum and Seminal Plasma. OMICS A Journal of Integrative Biology, 2010, 14, 465-474.	2.0	55
75	Glycoproteomics in Health and Disease. , 2010, , 1-38.		1
76	Evaluation of the serum Nâ€linked glycome for the diagnosis of cancer and chronic inflammation. Proteomics, 2008, 8, 3284-3293.	2.2	296
77	A strategy to reveal potential glycan markers from serum glycoproteins associated with breast cancer progression. Glycobiology, 2008, 18, 1105-1118.	2.5	196
78	Glycosylation Changes on Serum Glycoproteins in Ovarian Cancer May Contribute to Disease Pathogenesis. Disease Markers, 2008, 25, 219-232.	1.3	161
79	Ovarian Cancer is Associated with Changes in Glycosylation in Both Acute-Phase Proteins and IgG. Glycobiology, 2007, 17, 1344-1356.	2.5	369
80	Changes of Serum Glycans During Sepsis and Acute Pancreatitis. Glycobiology, 2007, 17, 1321-1332.	2.5	69