

# Rosa Peracaula

## List of Publications by Year in descending order

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46  
papers

2,219  
citations

196777

29  
h-index

242451

47  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lectin Affinity Chromatography for the Discovery of Novel Cancer Glycobiomarkers: A Case Study with PSA and Prostate Cancer. <i>Methods in Molecular Biology</i> , 2022, 2370, 301-313.	0.4	2
2	Microfibril associated protein 4 (MFAP4) is a carrier of the tumor associated carbohydrate sialyl-Lewis x (sLex) in pancreatic adenocarcinoma. <i>Journal of Proteomics</i> , 2021, 231, 104004.	1.2	6
3	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.	1.8	11
4	Hypoxia Alters Epigenetic and N-Glycosylation Profiles of Ovarian and Breast Cancer Cell Lines in-vitro. <i>Frontiers in Oncology</i> , 2020, 10, 1218.	1.3	20
5	Knockdown of $\alpha$ 2,3-Sialyltransferases Impairs Pancreatic Cancer Cell Migration, Invasion and E-selectin-Dependent Adhesion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6239.	1.8	27
6	Characterisation of the main PSA glycoforms in aggressive prostate cancer. <i>Scientific Reports</i> , 2020, 10, 18974.	1.6	17
7	Multivariate data analysis for the detection of human alpha-acid glycoprotein aberrant glycosylation in pancreatic ductal adenocarcinoma. <i>Journal of Proteomics</i> , 2019, 195, 76-87.	1.2	8
8	Analysis of sialyl-Lewis x on MUC5AC and MUC1 mucins in pancreatic cancer tissues. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 33-45.	3.6	18
9	Glycoprotein biomarkers for the detection of pancreatic ductal adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2018, 24, 2537-2554.	1.4	30
10	Analysis of urinary PSA glycosylation is not indicative of high-risk prostate cancer. <i>Clinica Chimica Acta</i> , 2017, 470, 97-102.	0.5	10
11	Sample preparation of serum to allow capillary electrophoresis analysis of prostate specific antigen isoforms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 134, 220-227.	1.4	6
12	Zwitterionic-hydrophilic interaction capillary liquid chromatography coupled to tandem mass spectrometry for the characterization of human alpha-acid-glycoprotein N-glycan isomers. <i>Analytica Chimica Acta</i> , 2017, 991, 76-88.	2.6	20
13	Comparative analysis of prostate-specific antigen by two-dimensional gel electrophoresis and capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 408-416.	1.3	6
14	Comparative Study of Blood-Based Biomarkers, $\alpha$ 2,3-Sialic Acid PSA and PHI, for High-Risk Prostate Cancer Detection. <i>International Journal of Molecular Sciences</i> , 2017, 18, 845.	1.8	41
15	Improved Pancreatic Adenocarcinoma Diagnosis in Jaundiced and Non-Jaundiced Pancreatic Adenocarcinoma Patients through the Combination of Routine Clinical Markers Associated to Pancreatic Adenocarcinoma Pathophysiology. <i>PLoS ONE</i> , 2016, 11, e0147214.	1.1	34
16	Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes. <i>Theranostics</i> , 2016, 6, 1190-1204.	4.6	104
17	Increased $\alpha$ 1-3 fucosylation of $\alpha$ 1-1-acid glycoprotein (AGP) in pancreatic cancer. <i>Journal of Proteomics</i> , 2016, 132, 144-154.	1.2	47
18	Identification of potential pancreatic cancer serum markers: Increased sialyl-Lewis X on ceruloplasmin. <i>Clinica Chimica Acta</i> , 2015, 442, 56-62.	0.5	44

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19	Quantitative analysis of N-glycans from human alpha-acid-glycoprotein using stable isotope labeling and zwitterionic hydrophilic interaction capillary liquid chromatography electrospray mass spectrometry as tool for pancreatic disease diagnosis. <i>Analytica Chimica Acta</i> , 2015, 866, 59-68.	2.6	40
20	Inflammatory cytokines regulate the expression of glycosyltransferases involved in the biosynthesis of tumor-associated sialylated glycans in pancreatic cancer cell lines. <i>Cytokine</i> , 2015, 75, 197-206.	1.4	49
21	Cell Surface Sialic Acid Modulates Extracellular Matrix Adhesion and Migration in Pancreatic Adenocarcinoma Cells. <i>Pancreas</i> , 2014, 43, 109-117.	0.5	53
22	Pancreatic Cancer Cell Glycosylation Regulates Cell Adhesion and Invasion through the Modulation of $\alpha$ 2 $\beta$ 1 Integrin and E-Cadherin Function. <i>PLoS ONE</i> , 2014, 9, e98595.	1.1	55
23	$\alpha$ 2,3-Sialyltransferase ST3Gal IV promotes migration and metastasis in pancreatic adenocarcinoma cells and tends to be highly expressed in pancreatic adenocarcinoma tissues. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 1748-1757.	1.2	70
24	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.	1.1	37
25	Regulation of glycosyltransferases and Lewis antigens expression by IL-1 $\beta$ and IL-6 in human gastric cancer cells. <i>Glycoconjugate Journal</i> , 2011, 28, 99-110.	1.4	38
26	5-AZA-2'-deoxycytidine induced demethylation influences N-glycosylation of secreted glycoproteins in ovarian cancer. <i>Epigenetics</i> , 2011, 6, 1362-1372.	1.3	63
27	Effect of sialic acid content on glycoprotein pI analyzed by two-dimensional electrophoresis. <i>Electrophoresis</i> , 2010, 31, 2903-2912.	1.3	43
28	Glycosylation of liver acute-phase proteins in pancreatic cancer and chronic pancreatitis. <i>Proteomics - Clinical Applications</i> , 2010, 4, 432-448.	0.8	115
29	Liver proteins as sensor of human malignancies and inflammation. <i>Proteomics - Clinical Applications</i> , 2010, 4, 426-431.	0.8	34
30	Differential percentage of serum prostate-specific antigen subforms suggests a new way to improve prostate cancer diagnosis. <i>Prostate</i> , 2010, 70, 1-9.	1.2	37
31	$\alpha$ 2,3-Sialyltransferase ST3Gal III Modulates Pancreatic Cancer Cell Motility and Adhesion In Vitro and Enhances Its Metastatic Potential In Vivo. <i>PLoS ONE</i> , 2010, 5, e12524.	1.1	86
32	Glycan Characterization of PSA 2-DE Subforms from Serum and Seminal Plasma. <i>OMICS A Journal of Integrative Biology</i> , 2010, 14, 465-474.	1.0	55
33	Altered Glycosylation in Tumours Focused to Cancer Diagnosis. <i>Disease Markers</i> , 2008, 25, 207-218.	0.6	147
34	Glycosylation of serum ribonuclease 1 indicates a major endothelial origin and reveals an increase in core fucosylation in pancreatic cancer. <i>Glycobiology</i> , 2007, 17, 388-400.	1.3	96
35	Free PSA forms in prostatic tissue and sera of prostate cancer patients: Analysis by 2-DE and western blotting of immunopurified samples. <i>Clinical Biochemistry</i> , 2007, 40, 343-350.	0.8	29
36	Different glycan structures in prostate-specific antigen from prostate cancer sera in relation to seminal plasma PSA. <i>Glycobiology</i> , 2006, 16, 132-145.	1.3	152

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37	Role of sialyltransferases involved in the biosynthesis of Lewis antigens in human pancreatic tumour cells. <i>Glycoconjugate Journal</i> , 2005, 22, 135-144.	1.4	30
38	Glycosylation of human pancreatic ribonuclease: differences between normal and tumor states. <i>Glycobiology</i> , 2003, 13, 227-244.	1.3	64
39	Altered glycosylation pattern allows the distinction between prostate-specific antigen (PSA) from normal and tumor origins. <i>Glycobiology</i> , 2003, 13, 457-470.	1.3	255
40	Three-dimensional structure of human RNase 1 <sup>N7</sup> at 1.9 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 498-505.	2.5	20
41	Human pancreatic ribonuclease 1. <i>Cancer</i> , 2000, 89, 1252-1258.	2.0	16
42	Ribonucleases expressed by human pancreatic adenocarcinoma cell lines. <i>FEBS Journal</i> , 2000, 267, 1484-1494.	0.2	21
43	Three-dimensional crystal structure of human eosinophil cationic protein (RNase 3) at 1.75 Å resolution <sup>1</sup> Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 300, 1297-1307.	2.0	56
44	The three-dimensional structure of human RNase 4, unliganded and complexed with d(up), reveals the basis for its uridine selectivity <sup>1</sup> Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1999, 285, 205-214.	2.0	48
45	Synthesis and molecular modeling: Related approaches to progress in brassinosteroid research. <i>Lipids</i> , 1997, 32, 1341-1347.	0.7	19
46	Use of dihydroquinidine 9-O-(9 <sup>2</sup> -phenanthryl) ether in osmium-catalyzed asymmetric dihydroxylation in the synthesis of brassinosteroids. <i>Tetrahedron Letters</i> , 1992, 33, 7057-7060.	0.7	34