

Rosa Peracaula

List of Publications by Year in descending order

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46
papers

2,219
citations

172457

29
h-index

214800

47
g-index

47
all docs

47
docs citations

47
times ranked

2561
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered glycosylation pattern allows the distinction between prostate-specific antigen (PSA) from normal and tumor origins. <i>Glycobiology</i> , 2003, 13, 457-470.	2.5	255
2	Different glycan structures in prostate-specific antigen from prostate cancer sera in relation to seminal plasma PSA. <i>Glycobiology</i> , 2006, 16, 132-145.	2.5	152
3	Altered Glycosylation in Tumours Focused to Cancer Diagnosis. <i>Disease Markers</i> , 2008, 25, 207-218.	1.3	147
4	Glycosylation of liver acute-phase proteins in pancreatic cancer and chronic pancreatitis. <i>Proteomics - Clinical Applications</i> , 2010, 4, 432-448.	1.6	115
5	Improvement of Prostate Cancer Diagnosis by Detecting PSA Glycosylation-Specific Changes. <i>Theranostics</i> , 2016, 6, 1190-1204.	10.0	104
6	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.	2.5	96
7	α2,3-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.	2.5	86
8	α2,3-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.	2.8	70
9	Glycosylation of human pancreatic ribonuclease: differences between normal and tumor states. <i>Glycobiology</i> , 2003, 13, 227-244.	2.5	64
10	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
11	Three-dimensional crystal structure of human eosinophil cationic protein (RNase 3) at 1.75 Å resolution. Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 300, 1297-1307.	4.2	56
12	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
13	Pancreatic Cancer Cell Glycosylation Regulates Cell Adhesion and Invasion through the Modulation of α2β1 Integrin and E-Cadherin Function. <i>PLoS ONE</i> , 2014, 9, e98595.	2.5	55
14	Cell Surface Sialic Acid Modulates Extracellular Matrix Adhesion and Migration in Pancreatic Adenocarcinoma Cells. <i>Pancreas</i> , 2014, 43, 109-117.	1.1	53
15	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.	3.2	49
16	The three-dimensional structure of human RNase 4, unliganded and complexed with d(up), reveals the basis for its uridine selectivity. Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1999, 285, 205-214.	4.2	48
17	Increased α1-3 fucosylation of α1-1-acid glycoprotein (AGP) in pancreatic cancer. <i>Journal of Proteomics</i> , 2016, 132, 144-154.	2.4	47
18	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

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19	Effect of sialic acid content on glycoprotein p<i>I</i> analyzed by twoâ€dimensional electrophoresis. <i>Electrophoresis</i> , 2010, 31, 2903-2912.	2.4	43
20	Comparative Study of Blood-Based Biomarkers, Î±2,3-Sialic Acid PSA and PHI, for High-Risk Prostate Cancer Detection. <i>International Journal of Molecular Sciences</i> , 2017, 18, 845.	4.1	41
21	Quantitative analysis of N-glycans from human alfa-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.	5.4	40
22	Regulation of glycosyltransferases and Lewis antigens expression by IL-1Î² and IL-6 in human gastric cancer cells. <i>Glycoconjugate Journal</i> , 2011, 28, 99-110.	2.7	38
23	Differential percentage of serum prostateâ€specific antigen subforms suggests a new way to improve prostate cancer diagnosis. <i>Prostate</i> , 2010, 70, 1-9.	2.3	37
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.	2.5	37
25	Use of dihydroquinidine 9-O-(9â€phenanthryl) ether in osmium-catalyzed asymmetric dihydroxylation in the synthesis of brassinosteroids. <i>Tetrahedron Letters</i> , 1992, 33, 7057-7060.	1.4	34
26	Liver proteins as sensor of human malignancies and inflammation. <i>Proteomics - Clinical Applications</i> , 2010, 4, 426-431.	1.6	34
27	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.	2.5	34
28	Role of sialyltransferases involved in the biosynthesis of Lewis antigens in human pancreatic tumour cells. <i>Glycoconjugate Journal</i> , 2005, 22, 135-144.	2.7	30
29	Glycoprotein biomarkers for the detection of pancreatic ductal adenocarcinoma. <i>World Journal of Gastroenterology</i> , 2018, 24, 2537-2554.	3.3	30
30	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.	1.9	29
31	Knockdown of Î±2,3-Sialyltransferases Impairs Pancreatic Cancer Cell Migration, Invasion and E-selectin-Dependent Adhesion. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6239.	4.1	27
32	Ribonucleases expressed by human pancreatic adenocarcinoma cell lines. <i>FEBS Journal</i> , 2000, 267, 1484-1494.	0.2	21
33	Three-dimensional structure of human RNase 1Î²N7 at 1.9â€Å... resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 498-505.	2.5	20
34	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.	5.4	20
35	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
36	Synthesis and molecular modeling: Related approaches to progress in brassinosteroid research. <i>Lipids</i> , 1997, 32, 1341-1347.	1.7	19

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37	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.	7.5	18
38	Characterisation of the main PSA glycoforms in aggressive prostate cancer. <i>Scientific Reports</i> , 2020, 10, 18974.	3.3	17
39	Human pancreatic ribonuclease 1. <i>Cancer</i> , 2000, 89, 1252-1258.	4.1	16
40	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
41	Analysis of urinary PSA glycosylation is not indicative of high-risk prostate cancer. <i>Clinica Chimica Acta</i> , 2017, 470, 97-102.	1.1	10
42	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.	2.4	8
43	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.	2.8	6
44	Comparative analysis of prostate-specific antigen by two-dimensional gel electrophoresis and capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 408-416.	2.4	6
45	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.	2.4	6
46	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.	0.9	2