

Celso A. Reis

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

13,112
citations

25014

57
h-index

30058

103
g-index

220
all docs

220
docs citations

220
times ranked

14670
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycosylation in cancer: mechanisms and clinical implications. <i>Nature Reviews Cancer</i> , 2015, 15, 540-555.	12.8	2,147
2	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , 2018, 20, 332-343.	4.6	1,101
3	Alterations in glycosylation as biomarkers for cancer detection. <i>Journal of Clinical Pathology</i> , 2010, 63, 322-329.	1.0	369
4	Glycosylation in the Era of Cancer-Targeted Therapy: Where Are We Heading?. <i>Cancer Cell</i> , 2019, 36, 6-16.	7.7	349
5	Chemoenzymatically synthesized multimeric Tn/STn MUC1 glycopeptides elicit cancer-specific anti-MUC1 antibody responses and override tolerance. <i>Glycobiology</i> , 2006, 16, 96-107.	1.3	233
6	Canine tumors: a spontaneous animal model of human carcinogenesis. <i>Translational Research</i> , 2012, 159, 165-172.	2.2	208
7	Role of the Human ST6GalNAc-I and ST6GalNAc-II in the Synthesis of the Cancer-Associated Sialyl-Tn Antigen. <i>Cancer Research</i> , 2004, 64, 7050-7057.	0.4	203
8	Immunohistochemical study of MUC5AC expression in human gastric carcinomas using a novel monoclonal antibody. , 1997, 74, 112-121.		172
9	Functional Conservation of Subfamilies of Putative UDP-N-acetylgalactosamine:Polypeptide N-Acetylgalactosaminyltransferases in <i>Drosophila</i> , <i>Caenorhabditis elegans</i> , and Mammals. <i>Journal of Biological Chemistry</i> , 2002, 277, 22623-22638.	1.6	168
10	Glycosylation in cancer: Selected roles in tumour progression, immune modulation and metastasis. <i>Cellular Immunology</i> , 2018, 333, 46-57.	1.4	157
11	Targeting Glycosylation: A New Road for Cancer Drug Discovery. <i>Trends in Cancer</i> , 2020, 6, 757-766.	3.8	155
12	The Lectin Domain of UDP-N-acetyl-d-galactosamine:PolypeptideN-acetylgalactosaminyltransferase-T4 Directs Its Glycopeptide Specificities. <i>Journal of Biological Chemistry</i> , 2000, 275, 38197-38205.	1.6	147
13	Immunohistochemical Study of the Expression of MUC6 Mucin and Co-expression of Other Secreted Mucins (MUC5AC and MUC2) in Human Gastric Carcinomas. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 377-388.	1.3	142
14	Biological significance of cancer-associated sialyl-Tn antigen: Modulation of malignant phenotype in gastric carcinoma cells. <i>Cancer Letters</i> , 2007, 249, 157-170.	3.2	142
15	Epithelial E- and P-cadherins: Role and clinical significance in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2012, 1826, 297-311.	3.3	137
16	Gastric carcinoma exhibits distinct types of cell differentiation: an immunohistochemical study of trefoil peptides (TFF1 and TFF2) and mucins (MUC1, MUC2, MUC5AC, and MUC6). , 2000, 190, 437-443.		135
17	Modulation of E-cadherin function and dysfunction by N-glycosylation. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1011-1020.	2.4	132
18	Human MUC2 Mucin Gene Is Transcriptionally Regulated by Cdx Homeodomain Proteins in Gastrointestinal Carcinoma Cell Lines. <i>Journal of Biological Chemistry</i> , 2003, 278, 51549-51556.	1.6	130

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19	Aberrant Glycosylation in Cancer: A Novel Molecular Mechanism Controlling Metastasis. <i>Cancer Cell</i> , 2017, 31, 733-735.	7.7	128
20	Mechanisms of cisplatin resistance and targeting of cancer stem cells: Adding glycosylation to the equation. <i>Drug Resistance Updates</i> , 2016, 24, 34-54.	6.5	124
21	Reactivity of natural and induced human antibodies to MUC1 mucin with MUC1 peptides andn-acetylgalactosamine (GalNAc) peptides. <i>International Journal of Cancer</i> , 2000, 86, 702-712.	2.3	114
22	Differential expression of α -2,3-sialyltransferases and α -1,3/4-fucosyltransferases regulates the levels of sialyl Lewis a and sialyl Lewis x in gastrointestinal carcinoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 80-89.	1.2	109
23	Advantages of External Accumulation for Electron Capture Dissociation in Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 2998-3005.	3.2	106
24	Expression of fully and under-glycosylated forms of MUC1 mucin in gastric carcinoma. , 1998, 79, 402-410.		104
25	Preventing E-cadherin aberrant N-glycosylation at Asn-554 improves its critical function in gastric cancer. <i>Oncogene</i> , 2016, 35, 1619-1631.	2.6	103
26	E-cadherin and adherens-junctions stability in gastric carcinoma: Functional implications of glycosyltransferases involving N-glycan branching biosynthesis, N-acetylglucosaminyltransferases III and V. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2690-2700.	1.1	101
27	The role of N-acetylglucosaminyltransferase III and V in the post-transcriptional modifications of E-cadherin. <i>Human Molecular Genetics</i> , 2009, 18, 2599-2608.	1.4	100
28	Comparison of antigen constructs and carrier molecules for augmenting the immunogenicity of the monosaccharide epithelial cancer antigen Tn. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 424-430.	2.0	99
29	Expression of ST3GAL4 Leads to SLex Expression and Induces c-Met Activation and an Invasive Phenotype in Gastric Carcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e66737.	1.1	96
30	Helicobacter pylori induces α 3GnT5 in human gastric cell lines, modulating expression of the SabA ligand sialyl α Lewis x. <i>Journal of Clinical Investigation</i> , 2008, 118, 2325-36.	3.9	95
31	Gastric cancer: adding glycosylation to the equation. <i>Trends in Molecular Medicine</i> , 2013, 19, 664-676.	3.5	95
32	Fut2-null mice display an altered glycosylation profile and impaired BabA-mediated Helicobacter pylori adhesion to gastric mucosa. <i>Glycobiology</i> , 2009, 19, 1525-1536.	1.3	93
33	MUC2 mucin is a major carrier of the cancer-associated sialyl-Tn antigen in intestinal metaplasia and gastric carcinomas. <i>Glycobiology</i> , 2010, 20, 199-206.	1.3	93
34	Loss and Recovery of Mgat3 and GnT-III Mediated E-cadherin N-glycosylation Is a Mechanism Involved in Epithelial-Mesenchymal-Epithelial Transitions. <i>PLoS ONE</i> , 2012, 7, e33191.	1.1	93
35	Probing the O-Glycoproteome of Gastric Cancer Cell Lines for Biomarker Discovery*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1616-1629.	2.5	91
36	Mucins MUC1, MUC2, MUC5AC and MUC6 expression in the evaluation of differentiation and clinico-biological behaviour of gastric carcinoma. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2002, 440, 304-310.	1.4	89

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37	Extracellular Matrix Mimics Using Hyaluronan-Based Biomaterials. Trends in Biotechnology, 2021, 39, 90-104.	4.9	86
38	The LacdiNAc-Specific Adhesin LabA Mediates Adhesion of Helicobacter pylori to Human Gastric Mucosa. Journal of Infectious Diseases, 2014, 210, 1286-1295.	1.9	83
39	ST6GalNAc-I controls expression of sialyl-Tn antigen in gastrointestinal tissues. Frontiers in Bioscience - Elite, 2011, E3, 1443-1455.	0.9	81
40	Expression profile of mucins (MUC2, MUC5AC and MUC6) in Helicobacter pylori infected pre-neoplastic and neoplastic human gastric epithelium. Molecular Cancer, 2006, 5, 10.	7.9	80
41	Overexpression of tumour-associated carbohydrate antigen sialyl-Tn in advanced bladder tumours. Molecular Oncology, 2013, 7, 719-731.	2.1	79
42	Role of fucosyltransferases in the association between apomucin and Lewis antigen expression in normal and malignant gastric epithelium. Gut, 2000, 47, 349-356.	6.1	78
43	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. Journal of Extracellular Vesicles, 2019, 8, 1621131.	5.5	78
44	Metabolic control of T cell immune response through glycans in inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4651-E4660.	3.3	77
45	A bivalent conjugate vaccine in the treatment of biochemically relapsed prostate cancer: a study of glycosylated MUC-2-KLH and Globo H-KLH conjugate vaccines given with the new semi-synthetic saponin immunological adjuvant GPI-0100 OR QS-21. Vaccine, 2005, 23, 3114-3122.	1.7	73
46	Helicobacter pylori adhesion to gastric epithelial cells is mediated by glycan receptors. Brazilian Journal of Medical and Biological Research, 2010, 43, 611-618.	0.7	73
47	A new approach on the gastric absorption of anthocyanins. Food and Function, 2012, 3, 508.	2.1	72
48	Development and characterization of an antibody directed to an alpha-N-acetyl-D-galactosamine glycosylated MUC2 peptide. Glycoconjugate Journal, 1998, 15, 51-62.	1.4	69
49	Evidence for glycosylation-dependent activities of polypeptide N-acetylgalactosaminyltransferases rGalNAc-T2 and -T4 on mucin glycopeptides. Glycobiology, 2001, 11, 731-740.	1.3	69
50	Role of E-cadherin N-glycosylation profile in a mammary tumor model. Biochemical and Biophysical Research Communications, 2009, 379, 1091-1096.	1.0	67
51	Identification of new cancer biomarkers based on aberrant mucin glycoforms by <i>in situ</i> proximity ligation. Journal of Cellular and Molecular Medicine, 2012, 16, 1474-1484.	1.6	67
52	Glycoproteomic Analysis of Serum from Patients with Gastric Precancerous Lesions. Journal of Proteome Research, 2013, 12, 1454-1466.	1.8	65
53	Protein glycosylation in gastric and colorectal cancers: Toward cancer detection and targeted therapeutics. Cancer Letters, 2017, 387, 32-45.	3.2	65
54	Glycosylation of Cancer Extracellular Vesicles: Capture Strategies, Functional Roles and Potential Clinical Applications. Cells, 2021, 10, 109.	1.8	64

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55	O-glycans truncation modulates gastric cancer cell signaling and transcription leading to a more aggressive phenotype. <i>EBioMedicine</i> , 2019, 40, 349-362.	2.7	63
56	Chemoenzymatic Synthesis of Sialylated Glycopeptides Derived from Mucins and T-Cell Stimulating Peptides. <i>Journal of the American Chemical Society</i> , 2001, 123, 11117-11125.	6.6	62
57	Mucins as key molecules for the classification of intestinal metaplasia of the stomach. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2002, 440, 311-317.	1.4	60
58	<i>Helicobacter pylori</i> chronic infection and mucosal inflammation switches the human gastric glycosylation pathways. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1928-1939.	1.8	60
59	First-degree relatives of patients with early-onset gastric carcinoma show even at young ages a high prevalence of advanced <i>OLGA</i> / <i>OLGIM</i> stages and dysplasia. <i>Alimentary Pharmacology and Therapeutics</i> , 2012, 35, 1451-1459.	1.9	59
60	Expression of UDP-N-acetyl-D-galactosamine: Polypeptide N-acetylgalactosaminyltransferase-6 in Gastric Mucosa, Intestinal Metaplasia, and Gastric Carcinoma. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 79-86.	1.3	58
61	Hypoxia enhances the malignant nature of bladder cancer cells and concomitantly antagonizes protein O-glycosylation extension. <i>Oncotarget</i> , 2016, 7, 63138-63157.	0.8	58
62	OCT-1 is over-expressed in intestinal metaplasia and intestinal gastric carcinomas and binds to, but does not transactivate, CDX2 in gastric cells. <i>Journal of Pathology</i> , 2005, 207, 396-401.	2.1	57
63	A preclinical study comparing approaches for augmenting the immunogenicity of a heptavalent KLH-conjugate vaccine against epithelial cancers. <i>Cancer Immunology, Immunotherapy</i> , 2003, 52, 608-616.	2.0	56
64	Dysregulation of T cell receptor N-glycosylation: a molecular mechanism involved in ulcerative colitis. <i>Human Molecular Genetics</i> , 2014, 23, 2416-2427.	1.4	55
65	Pancreatic Cancer Cell Glycosylation Regulates Cell Adhesion and Invasion through the Modulation of β 2 β 1 Integrin and E-Cadherin Function. <i>PLoS ONE</i> , 2014, 9, e98595.	1.1	55
66	Solvent properties governing protein partitioning in polymer/polymer aqueous two-phase systems. <i>Journal of Chromatography A</i> , 2011, 1218, 1379-1384.	1.8	53
67	Autoantibodies to MUC1 glycopeptides cannot be used as a screening assay for early detection of breast, ovarian, lung or pancreatic cancer. <i>British Journal of Cancer</i> , 2013, 108, 2045-2055.	2.9	52
68	Muc5ac gastric mucin glycosylation is shaped by FUT2 activity and functionally impacts <i>Helicobacter pylori</i> binding. <i>Scientific Reports</i> , 2016, 6, 25575.	1.6	51
69	The role of O-glycosylation in human disease. <i>Molecular Aspects of Medicine</i> , 2021, 79, 100964.	2.7	51
70	Glycosylation is a key in SARS-CoV-2 infection. <i>Journal of Molecular Medicine</i> , 2021, 99, 1023-1031.	1.7	50
71	Polypeptide GalNAc-transferases, ST6GalNAc-transferase I, and ST3Gal-transferase I Expression in Gastric Carcinoma Cell Lines. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 761-771.	1.3	49
72	Effect of surface chemistry on bacterial adhesion, viability, and morphology. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 99A, 344-353.	2.1	49

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73	Glycomic analysis of gastric carcinoma cells discloses glycans as modulators of RON receptor tyrosine kinase activation in cancer. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1795-1808.	1.1	49
74	Solvent Properties Governing Solute Partitioning in Polymer/Polymer Aqueous Two-Phase Systems: Nonionic Compounds. <i>Journal of Physical Chemistry B</i> , 2010, 114, 457-462.	1.2	48
75	Patterns of expression of trefoil peptides and mucins in gastric polyps with and without malignant transformation. , 1999, 187, 541-548.		47
76	Glycomic Approaches for the Discovery of Targets in Gastrointestinal Cancer. <i>Frontiers in Oncology</i> , 2016, 6, 55.	1.3	47
77	Docosahexaenoic acid loaded lipid nanoparticles with bactericidal activity against <i>Helicobacter pylori</i> . <i>International Journal of Pharmaceutics</i> , 2017, 519, 128-137.	2.6	47
78	Molecular weight of surface immobilized hyaluronic acid influences CD44-mediated binding of gastric cancer cells. <i>Scientific Reports</i> , 2018, 8, 16058.	1.6	47
79	Expression of mucins (MUC1, MUC2, MUC5AC, and MUC6) and type 1 Lewis antigens in cases with and without <i>Helicobacter pylori</i> colonization in metaplastic glands of the human stomach. <i>Journal of Pathology</i> , 2002, 197, 37-43.	2.1	46
80	Heparan Sulfate Biosynthesis and Sulfation Profiles as Modulators of Cancer Signalling and Progression. <i>Frontiers in Oncology</i> , 2021, 11, 778752.	1.3	44
81	Mucin-Type O-Glycosylation in Gastric Carcinogenesis. <i>Biomolecules</i> , 2016, 6, 33.	1.8	43
82	Salt effects on solvent features of coexisting phases in aqueous polymer/polymer two-phase systems. <i>Journal of Chromatography A</i> , 2012, 1229, 38-47.	1.8	42
83	Immunohistochemical study of the expression of MUC5AC and MUC6 in breast carcinomas and adjacent breast tissues. <i>Journal of Clinical Pathology</i> , 2001, 54, 210-213.	1.0	40
84	Sialyl-Tn identifies muscle-invasive bladder cancer basal and luminal subtypes facing decreased survival, being expressed by circulating tumor cells and metastases. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2017, 35, 675.e1-675.e8.	0.8	39
85	Esophageal, gastric and colorectal cancers: Looking beyond classical serological biomarkers towards glycoproteomics-assisted precision oncology. <i>Theranostics</i> , 2020, 10, 4903-4928.	4.6	39
86	Recent advances on smart glycoconjugate vaccines in infections and cancer. <i>FEBS Journal</i> , 2022, 289, 4251-4303.	2.2	39
87	Metaplasia — A Transdifferentiation Process that Facilitates Cancer Development: The Model of Gastric Intestinal Metaplasia. <i>Critical Reviews in Oncogenesis</i> , 2006, 12, 3-26.	0.2	39
88	O-glycan sialylation alters galectin-3 subcellular localization and decreases chemotherapy sensitivity in gastric cancer. <i>Oncotarget</i> , 2016, 7, 83570-83587.	0.8	38
89	Thomsen-Friedenreich antigen expression in gastric carcinomas is associated with MUC1 mucin VNTR polymorphism. <i>Glycobiology</i> , 2005, 15, 511-517.	1.3	37
90	Expression of Lea in gastric cancer cell lines depends on FUT3 expression regulated by promoter methylation. <i>Cancer Letters</i> , 2006, 242, 191-197.	3.2	37

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91	Terminal β 1,4-linked N-acetylglucosamine in Helicobacter pylori-associated Intestinal Metaplasia of the Human Stomach and Gastric Carcinoma Cell Lines. <i>Journal of Histochemistry and Cytochemistry</i> , 2006, 54, 585-591.	1.3	36
92	BjcuL, a lectin purified from Bothrops jararacussu venom, induces apoptosis in human gastric carcinoma cells accompanied by inhibition of cell adhesion and actin cytoskeleton disassembly. <i>Toxicon</i> , 2012, 59, 81-85.	0.8	36
93	Response of high-risk of recurrence/progression bladder tumours expressing sialyl-Tn and sialyl-6-T to BCG immunotherapy. <i>British Journal of Cancer</i> , 2013, 109, 2106-2114.	2.9	36
94	O β -Glycan truncation enhances cancer-related functions of CD44 in gastric cancer. <i>FEBS Letters</i> , 2019, 593, 1675-1689.	1.3	36
95	Role of site-specific promoter hypomethylation in aberrant MUC2 mucin expression in mucinous gastric carcinomas. <i>Cancer Letters</i> , 2003, 189, 129-136.	3.2	35
96	Gastric cancer: Basic aspects. <i>Helicobacter</i> , 2018, 23, e12523.	1.6	35
97	Carcinoembryonic antigen carrying SLe ^X as a new biomarker of more aggressive gastric carcinomas. <i>Theranostics</i> , 2019, 9, 7431-7446.	4.6	35
98	O-mannosylation and N-glycosylation: two coordinated mechanisms regulating the tumour suppressor functions of E-cadherin in cancer. <i>Oncotarget</i> , 2016, 7, 65231-65246.	0.8	35
99	Identification of novel plasma glycosylation-associated markers of aging. <i>Oncotarget</i> , 2016, 7, 7455-7468.	0.8	35
100	Insulin/IGF-I Signaling Pathways Enhances Tumor Cell Invasion through Bisecting GlcNAc N-glycans Modulation. An Interplay with E-Cadherin. <i>PLoS ONE</i> , 2013, 8, e81579.	1.1	33
101	Two new FUT2 (fucosyltransferase 2 gene) missense polymorphisms, 739G>A and 839T>C, are partly responsible for non-secretor status in a Caucasian population from Northern Portugal. <i>Biochemical Journal</i> , 2004, 383, 469-474.	1.7	32
102	MUC5B expression in gastric carcinoma: relationship with clinico-pathological parameters and with expression of mucins MUC1, MUC2, MUC5AC and MUC6. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2004, 444, 224-230.	1.4	31
103	Pteridium aquilinum and Its Ptaquiloside Toxin Induce DNA Damage Response in Gastric Epithelial Cells, a Link With Gastric Carcinogenesis. <i>Toxicological Sciences</i> , 2012, 126, 60-71.	1.4	31
104	Hypoxia Up-Regulates Galectin-3 in Mammary Tumor Progression and Metastasis. <i>PLoS ONE</i> , 2015, 10, e0134458.	1.1	31
105	Cadherins Glycans in Cancer: Sweet Players in a Bitter Process. <i>Trends in Cancer</i> , 2016, 2, 519-531.	3.8	31
106	Lipid nanoparticles to counteract gastric infection without affecting gut microbiota. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 378-386.	2.0	31
107	Exploring sialyl-Tn expression in microfluidic-isolated circulating tumour cells: A novel biomarker and an analytical tool for precision oncology applications. <i>New Biotechnology</i> , 2019, 49, 77-87.	2.4	31
108	Tunable layer-by-layer films containing hyaluronic acid and their interactions with CD44. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3880-3885.	2.9	31

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109	Infection-associated FUT2 (Fucosyltransferase 2) genetic variation and impact on functionality assessed by in vivo studies. <i>Glycoconjugate Journal</i> , 2010, 27, 61-68.	1.4	29
110	Bacterial-binding chitosan microspheres for gastric infection treatment and prevention. <i>Acta Biomaterialia</i> , 2013, 9, 9370-9378.	4.1	29
111	Sialyl Lewis x expression in canine malignant mammary tumours: correlation with clinicopathological features and E-Cadherin expression. <i>BMC Cancer</i> , 2007, 7, 124.	1.1	28
112	ST6Gal1 targets the ectodomain of ErbB2 in a site-specific manner and regulates gastric cancer cell sensitivity to trastuzumab. <i>Oncogene</i> , 2021, 40, 3719-3733.	2.6	27
113	The Extracellular Small Leucine-Rich Proteoglycan Biglycan Is a Key Player in Gastric Cancer Aggressiveness. <i>Cancers</i> , 2021, 13, 1330.	1.7	26
114	Adhesion of Helicobacter Species to the Human Gastric Mucosa: A Deep Look Into Glycans Role. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 656439.	1.6	26
115	Rewired glycosylation activity promotes scarless regeneration and functional recovery in spiny mice after complete spinal cord transection. <i>Developmental Cell</i> , 2022, 57, 440-450.e7.	3.1	26
116	Canine Gastric Pathology: A Review. <i>Journal of Comparative Pathology</i> , 2016, 154, 9-37.	0.1	25
117	Phenylethyl Isothiocyanate Extracted from Watercress By-Products with Aqueous Micellar Systems: Development and Optimisation. <i>Antioxidants</i> , 2020, 9, 698.	2.2	25
118	Mucins and mucin-associated carbohydrate antigens expression in gastric carcinoma cell lines. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1999, 435, 479-485.	1.4	24
119	Sialyl Lewisx-dependent binding of human monocyte-derived dendritic cells to selectins. <i>Biochemical and Biophysical Research Communications</i> , 2011, 409, 459-464.	1.0	24
120	Helicobacter pylori infection: A brief overview on alternative natural treatments to conventional therapy. <i>Critical Reviews in Microbiology</i> , 2016, 42, 94-105.	2.7	24
121	Gastric Cancer Cell Glycosylation as a Modulator of the ErbB2 Oncogenic Receptor. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2262.	1.8	24
122	Terminal α 2,6-sialylation of epidermal growth factor receptor modulates antibody therapy response of colorectal cancer cells. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 835-850.	2.1	24
123	Sialylation regulates galectin-3/ligand interplay during mammary tumour progression - a case of targeted uncloning. <i>International Journal of Developmental Biology</i> , 2011, 55, 823-834.	0.3	24
124	KRAS as a Modulator of the Inflammatory Tumor Microenvironment: Therapeutic Implications. <i>Cells</i> , 2022, 11, 398.	1.8	23
125	Multicellular Human Gastric Cancer Spheroids Mimic the Glycosylation Phenotype of Gastric Carcinomas. <i>Molecules</i> , 2018, 23, 2815.	1.7	22
126	Emerging glyco-based strategies to steer immune responses. <i>FEBS Journal</i> , 2021, 288, 4746-4772.	2.2	22

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127	MUC1 polymorphism confers increased risk for intestinal metaplasia in a Colombian population with chronic gastritis. <i>European Journal of Human Genetics</i> , 2003, 11, 380-384.	1.4	21
128	Detection of post-translational modifications using solid-phase proximity ligation assay. <i>New Biotechnology</i> , 2018, 45, 51-59.	2.4	21
129	Increased levels of fucosyltransferase IX and carbohydrate Lewisx adhesion determinant in human NT2N neurons. <i>Journal of Neuroscience Research</i> , 2007, 85, 1260-1270.	1.3	20
130	Heparan Sulfate Glycosaminoglycans: (Un)Expected Allies in Cancer Clinical Management. <i>Biomolecules</i> , 2021, 11, 136.	1.8	20
131	Current thoughts on the histopathogenesis of gastric cancer. <i>European Journal of Cancer Prevention</i> , 2001, 10, 101-102.	0.6	20
132	Relevance of MUC1 mucin variable number of tandem repeats polymorphism in H pylori adhesion to gastric epithelial cells. <i>World Journal of Gastroenterology</i> , 2008, 14, 1411.	1.4	20
133	Bioengineered surfaces promote specific protein-glycan mediated binding of the gastric pathogen <i>Helicobacter pylori</i> . <i>Acta Biomaterialia</i> , 2013, 9, 8885-8893.	4.1	19
134	Orally administrated chitosan microspheres bind <i>Helicobacter pylori</i> and decrease gastric infection in mice. <i>Acta Biomaterialia</i> , 2020, 114, 206-220.	4.1	19
135	Glycans as Targets for Drug Delivery in Cancer. <i>Cancers</i> , 2022, 14, 911.	1.7	19
136	CDX2 expression is induced by <i>Helicobacter pylori</i> in AGS cells. <i>Scandinavian Journal of Gastroenterology</i> , 2009, 44, 124-125.	0.6	18
137	Sweet receptors mediate the adhesion of the gastric pathogen <i>Helicobacter pylori</i> : glycoproteomic strategies. <i>Expert Review of Proteomics</i> , 2010, 7, 307-310.	1.3	18
138	First-degree relatives of early-onset gastric cancer patients show a high risk for gastric cancer: phenotype and genotype profile. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2013, 463, 391-399.	1.4	18
139	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
140	Crucial Role of Oncogenic KRAS Mutations in Apoptosis and Autophagy Regulation: Therapeutic Implications. <i>Cells</i> , 2022, 11, 2183.	1.8	18
141	Formation of lactones from sialylated MUC1 glycopeptides. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 713.	1.5	17
142	MUC1 expression in canine malignant mammary tumours and relationship to clinicopathological features. <i>Veterinary Journal</i> , 2009, 182, 491-493.	0.6	17
143	<i>Helicobacter pylori</i> cag pathogenicity island-positive strains induce syndecan-4 expression in gastric epithelial cells. <i>FEMS Immunology and Medical Microbiology</i> , 2009, 56, 223-232.	2.7	17
144	Deficiency in the glycosyltransferase <i>Gcnt1</i> increases susceptibility to tuberculosis through a mechanism involving neutrophils. <i>Mucosal Immunology</i> , 2020, 13, 836-848.	2.7	17

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