Celso A. Reis

List of Publications by Year
in descending order

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211 papers	13,112 citations	25034 57 h-index	30087 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. Nature Reviews Cancer, 2015, 15, 540-555.	28.4	2,147
2	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. Nature Cell Biology, 2018, 20, 332-343.	10.3	1,101
3	Alterations in glycosylation as biomarkers for cancer detection. Journal of Clinical Pathology, 2010, 63, 322-329.	2.0	369
4	Glycosylation in the Era of Cancer-Targeted Therapy: Where Are We Heading?. Cancer Cell, 2019, 36, 6-16.	16.8	349
5	Chemoenzymatically synthesized multimeric Tn/STn MUC1 glycopeptides elicit cancer-specific anti-MUC1 antibody responses and override tolerance. Glycobiology, 2006, 16, 96-107.	2.5	233
6	Canine tumors: a spontaneous animal model of human carcinogenesis. Translational Research, 2012, 159, 165-172.	5.0	208
7	Role of the Human ST6GalNAc-I and ST6GalNAc-II in the Synthesis of the Cancer-Associated Sialyl-Tn Antigen. Cancer Research, 2004, 64, 7050-7057.	0.9	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 inDrosophila, Caenorhabditis elegans, and Mammals. Journal of Biological Chemistry, 2002, 277, 22623-22638.	3.4	168
10	Glycosylation in cancer: Selected roles in tumour progression, immune modulation and metastasis. Cellular Immunology, 2018, 333, 46-57.	3.0	157
11	Targeting Glycosylation: A New Road for Cancer Drug Discovery. Trends in Cancer, 2020, 6, 757-766.	7.4	155
12	The Lectin Domain of UDP-N-acetyl-d-galactosamine:PolypeptideN-acetylgalactosaminyltransferase-T4 Directs Its Glycopeptide Specificities. Journal of Biological Chemistry, 2000, 275, 38197-38205.	3.4	147
13	Immunohistochemical Study of the Expression of MUC6 Mucin and Co-expression of Other Secreted Mucins (MUC5AC and MUC2) in Human Gastric Carcinomas. Journal of Histochemistry and Cytochemistry, 2000, 48, 377-388.	2.5	142
14	Biological significance of cancer-associated sialyl-Tn antigen: Modulation of malignant phenotype in gastric carcinoma cells. Cancer Letters, 2007, 249, 157-170.	7.2	142
15	Epithelial E- and P-cadherins: Role and clinical significance in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1826, 297-311.	7.4	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. Cellular and Molecular Life Sciences, 2011, 68, 1011-1020.	5.4	132
18	Human MUC2 Mucin Gene Is Transcriptionally Regulated by Cdx Homeodomain Proteins in Gastrointestinal Carcinoma Cell Lines. Journal of Biological Chemistry, 2003, 278, 51549-51556.	3.4	130

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19	Aberrant Glycosylation in Cancer: A Novel Molecular Mechanism Controlling Metastasis. Cancer Cell, 2017, 31, 733-735.	16.8	128
20	Mechanisms of cisplatin resistance and targeting of cancer stem cells: Adding glycosylation to the equation. Drug Resistance Updates, 2016, 24, 34-54.	14.4	124
21	Reactivity of natural and induced human antibodies to MUC1 mucin with MUC1 peptides andn-acetylgalactosamine (GalNAc) peptides. International Journal of Cancer, 2000, 86, 702-712.	5.1	114
22	Differential expression of Î±-2,3-sialyltransferases and Î±-1,3/4-fucosyltransferases regulates the levels of sialyl Lewis a and sialyl Lewis x in gastrointestinal carcinoma cells. International Journal of Biochemistry and Cell Biology, 2010, 42, 80-89.	2.8	109
23	Advantages of External Accumulation for Electron Capture Dissociation in Fourier Transform Mass Spectrometry. Analytical Chemistry, 2001, 73, 2998-3005.	6.5	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. Oncogene, 2016, 35, 1619-1631.	5.9	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. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2690-2700.	2.4	101
27	The role of N-acetylglucosaminyltransferase III and V in the post-transcriptional modifications of E-cadherin. Human Molecular Genetics, 2009, 18, 2599-2608.	2.9	100
28	Comparison of antigen constructs and carrier molecules for augmenting the immunogenicity of the monosaccharide epithelial cancer antigen Tn. Cancer Immunology, Immunotherapy, 2005, 54, 424-430.	4.2	99
29	Expression of ST3GAL4 Leads to SLex Expression and Induces c-Met Activation and an Invasive Phenotype in Gastric Carcinoma Cells. PLoS ONE, 2013, 8, e66737.	2.5	96
30	Helicobacter pylori induces Î²3GnT5 in human gastric cell lines, modulating expression of the SabA ligand sialylâ€“Lewis x. Journal of Clinical Investigation, 2008, 118, 2325-36.	8.2	95
31	Gastric cancer: adding glycosylation to the equation. Trends in Molecular Medicine, 2013, 19, 664-676.	6.7	95
32	Fut2-null mice display an altered glycosylation profile and impaired BabA-mediated Helicobacter pylori adhesion to gastric mucosa. Glycobiology, 2009, 19, 1525-1536.	2.5	93
33	MUC2 mucin is a major carrier of the cancer-associated sialyl-Tn antigen in intestinal metaplasia and gastric carcinomas. Glycobiology, 2010, 20, 199-206.	2.5	93
34	Loss and Recovery of Mgat3 and GnT-III Mediated E-cadherin N-glycosylation Is a Mechanism Involved in Epithelial-Mesenchymal-Epithelial Transitions. PLoS ONE, 2012, 7, e33191.	2.5	93
35	Probing the O-Glycoproteome of Gastric Cancer Cell Lines for Biomarker Discovery*. Molecular and Cellular Proteomics, 2015, 14, 1616-1629.	3.8	91
36	Mucins MUC1, MUC2, MUC5AC and MUC6 expression in the evaluation of differentiation and clinico-biological behaviour of gastric carcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2002, 440, 304-310.	2.8	89

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37	Extracellular Matrix Mimics Using Hyaluronan-Based Biomaterials. Trends in Biotechnology, 2021, 39, 90-104.	9.3	86
38	The LacdiNAc-Specific Adhesin LabA Mediates Adhesion of Helicobacter pylori to Human Gastric Mucosa. Journal of Infectious Diseases, 2014, 210, 1286-1295.	4.0	83
39	ST6GalNAc-I controls expression of sialyl-Tn antigen in gastrointestinal tissues. Frontiers in Bioscience - Elite, 2011, E3, 1443-1455.	1.8	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.	19.2	80
41	Overexpression of tumourâ€ssociated carbohydrate antigen sialylâ€Tn in advanced bladder tumours. Molecular Oncology, 2013, 7, 719-731.	4.6	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.	12.1	78
43	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. Journal of Extracellular Vesicles, 2019, 8, 1621131.	12.2	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.	7.1	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.	3.8	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.	1.5	73
47	A new approach on the gastric absorption of anthocyanins. Food and Function, 2012, 3, 508.	4.6	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.	2.7	69
49	Evidence for glycosylation-dependent activities of polypeptide N-acetylgalactosaminyltransferases rGalNAc-T2 and -T4 on mucin glycopeptides. Glycobiology, 2001, 11, 731-740.	2.5	69
50	Role of E-cadherin N-glycosylation profile in a mammary tumor model. Biochemical and Biophysical Research Communications, 2009, 379, 1091-1096.	2.1	67
51	Identification of new cancer biomarkers based on aberrant mucin glycoforms by in situ proximity ligation. Journal of Cellular and Molecular Medicine, 2012, 16, 1474-1484.	3.6	67
52	Glycoproteomic Analysis of Serum from Patients with Gastric Precancerous Lesions. Journal of Proteome Research, 2013, 12, 1454-1466.	3.7	65
53	Protein glycosylation in gastric and colorectal cancers: Toward cancer detection and targeted therapeutics. Cancer Letters, 2017, 387, 32-45.	7.2	65
54	Glycosylation of Cancer Extracellular Vesicles: Capture Strategies, Functional Roles and Potential Clinical Applications. Cells, 2021, 10, 109.	4.1	64

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55	O-glycans truncation modulates gastric cancer cell signaling and transcription leading to a more aggressive phenotype. EBioMedicine, 2019, 40, 349-362.	6.1	63
56	Chemoenzymatic Synthesis of Sialylated Glycopeptides Derived from Mucins and T-Cell Stimulating Peptides. Journal of the American Chemical Society, 2001, 123, 11117-11125.	13.7	62
57	Mucins as key molecules for the classification of intestinal metaplasia of the stomach. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2002, 440, 311-317.	2.8	60
58	Helicobacter pylori chronic infection and mucosal inflammation switches the human gastric glycosylation pathways. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1928-1939.	3.8	60
59	Firstâ€degree relatives of patients with earlyâ€onset gastric carcinoma show even at young ages a high prevalence of advanced <scp>OLGA</scp>/<scp>OLGIM</scp> stages and dysplasia. Alimentary Pharmacology and Therapeutics, 2012, 35, 1451-1459.	3.7	59
60	Expression of UDP-N-acetyl-D-galactosamine: Polypeptide N-acetylgalactosaminyltransferase-6 in Gastric Mucosa, Intestinal Metaplasia, and Gastric Carcinoma. Journal of Histochemistry and Cytochemistry, 2009, 57, 79-86.	2.5	58
61	Hypoxia enhances the malignant nature of bladder cancer cells and concomitantly antagonizes proteinO-glycosylation extension. Oncotarget, 2016, 7, 63138-63157.	1.8	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. Journal of Pathology, 2005, 207, 396-401.	4.5	57
63	A preclinical study comparing approaches for augmenting the immunogenicity of a heptavalent KLH-conjugate vaccine against epithelial cancers. Cancer Immunology, Immunotherapy, 2003, 52, 608-616.	4.2	56
64	Dysregulation of T cell receptor N-glycosylation: a molecular mechanism involved in ulcerative colitis. Human Molecular Genetics, 2014, 23, 2416-2427.	2.9	55
65	Pancreatic Cancer Cell Glycosylation Regulates Cell Adhesion and Invasion through the Modulation of Î±2Î²1 Integrin and E-Cadherin Function. PLoS ONE, 2014, 9, e98595.	2.5	55
66	Solvent properties governing protein partitioning in polymer/polymer aqueous two-phase systems. Journal of Chromatography A, 2011, 1218, 1379-1384.	3.7	53
67	Autoantibodies to MUC1 glycopeptides cannot be used as a screening assay for early detection of breast, ovarian, lung or pancreatic cancer. British Journal of Cancer, 2013, 108, 2045-2055.	6.4	52
68	Muc5ac gastric mucin glycosylation is shaped by FUT2 activity and functionally impacts Helicobacter pylori binding. Scientific Reports, 2016, 6, 25575.	3.3	51
69	The role of O-glycosylation in human disease. Molecular Aspects of Medicine, 2021, 79, 100964.	6.4	51
70	Glycosylation is a key in SARS-CoV-2 infection. Journal of Molecular Medicine, 2021, 99, 1023-1031.	3.9	50
71	Polypeptide GalNAc-transferases, ST6GalNAc-transferase I, and ST3Gal-transferase I Expression in Gastric Carcinoma Cell Lines. Journal of Histochemistry and Cytochemistry, 2003, 51, 761-771.	2.5	49
72	Effect of surface chemistry on bacterial adhesion, viability, and morphology. Journal of Biomedical Materials Research - Part A, 2011, 99A, 344-353.	4.0	49

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73	Glycomic analysis of gastric carcinoma cells discloses glycans as modulators of RON receptor tyrosine kinase activation in cancer. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1795-1808.	2.4	49
74	Solvent Properties Governing Solute Partitioning in Polymer/Polymer Aqueous Two-Phase Systems: Nonionic Compounds. Journal of Physical Chemistry B, 2010, 114, 457-462.	2.6	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. Frontiers in Oncology, 2016, 6, 55.	2.8	47
77	Docosahexaenoic acid loaded lipid nanoparticles with bactericidal activity against Helicobacter pylori. International Journal of Pharmaceutics, 2017, 519, 128-137.	5.2	47
78	Molecular weight of surface immobilized hyaluronic acid influences CD44-mediated binding of gastric cancer cells. Scientific Reports, 2018, 8, 16058.	3.3	47
79	Expression of mucins (MUC1, MUC2, MUC5AC, and MUC6) and type 1 Lewis antigens in cases with and withoutHelicobacter pyloricolonization in metaplastic glands of the human stomach. Journal of Pathology, 2002, 197, 37-43.	4.5	46
80	Heparan Sulfate Biosynthesis and Sulfation Profiles as Modulators of Cancer Signalling and Progression. Frontiers in Oncology, 2021, 11, 778752.	2.8	44
81	Mucin-Type O-Glycosylation in Gastric Carcinogenesis. Biomolecules, 2016, 6, 33.	4.0	43
82	Salt effects on solvent features of coexisting phases in aqueous polymer/polymer two-phase systems. Journal of Chromatography A, 2012, 1229, 38-47.	3.7	42
83	Immunohistochemical study of the expression of MUC5AC and MUC6 in breast carcinomas and adjacent breast tissues. Journal of Clinical Pathology, 2001, 54, 210-213.	2.0	40
84	Sialyl-Tn identifies muscle-invasive bladder cancer basal and luminal subtypes facing decreased survival, being expressed by circulating tumor cells and metastases. Urologic Oncology: Seminars and Original Investigations, 2017, 35, 675.e1-675.e8.	1.6	39
85	Esophageal, gastric and colorectal cancers: Looking beyond classical serological biomarkers towards glycoproteomics-assisted precision oncology. Theranostics, 2020, 10, 4903-4928.	10.0	39
86	Recent advances on smart glycoconjugate vaccines in infections and cancer. FEBS Journal, 2022, 289, 4251-4303.	4.7	39
87	Metaplasia Â— A Transdifferentiatlon Process that Facilitates Cancer Development: The Model of Gastric Intestinal Metaplasia. Critical Reviews in Oncogenesis, 2006, 12, 3-26.	0.4	39
88	O-glycan sialylation alters galectin-3 subcellular localization and decreases chemotherapy sensitivity in gastric cancer. Oncotarget, 2016, 7, 83570-83587.	1.8	38
89	Thomsen-Friedenreich antigen expression in gastric carcinomas is associated with MUC1 mucin VNTR polymorphism. Glycobiology, 2005, 15, 511-517.	2.5	37
90	Expression of Lea in gastric cancer cell lines depends on FUT3 expression regulated by promoter methylation. Cancer Letters, 2006, 242, 191-197.	7.2	37

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91	Terminal Î±1,4-linked N-acetylglucosamine in Helicobacter pylori-associated Intestinal Metaplasia of the Human Stomach and Gastric Carcinoma Cell Lines. Journal of Histochemistry and Cytochemistry, 2006, 54, 585-591.	2.5	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. Toxicon, 2012, 59, 81-85.	1.6	36
93	Response of high-risk of recurrence/progression bladder tumours expressing sialyl-Tn and sialyl-6-T to BCG immunotherapy. British Journal of Cancer, 2013, 109, 2106-2114.	6.4	36
94	Oâ€glycan truncation enhances cancerâ€related functions of <scp>CD</scp>44 in gastric cancer. FEBS Letters, 2019, 593, 1675-1689.	2.8	36
95	Role of site-specific promoter hypomethylation in aberrant MUC2 mucin expression in mucinous gastric carcinomas. Cancer Letters, 2003, 189, 129-136.	7.2	35
96	Gastric cancer: Basic aspects. Helicobacter, 2018, 23, e12523.	3.5	35
97	Carcinoembryonic antigen carrying SLe^X as a new biomarker of more aggressive gastric carcinomas. Theranostics, 2019, 9, 7431-7446.	10.0	35
98	O-mannosylation and N-glycosylation: two coordinated mechanisms regulating the tumour suppressor functions of E-cadherin in cancer. Oncotarget, 2016, 7, 65231-65246.	1.8	35
99	Identification of novel plasma glycosylation-associated markers of aging. Oncotarget, 2016, 7, 7455-7468.	1.8	35
100	Insulin/IGF-I Signaling Pathways Enhances Tumor Cell Invasion through Bisecting GlcNAc N-glycans Modulation. An Interplay with E-Cadherin. PLoS ONE, 2013, 8, e81579.	2.5	33
101	Two new FUT2 (fucosyltransferase 2 gene) missense polymorphisms, 739Gât'A and 839Tât'C, are partly responsible for non-secretor status in a Caucasian population from Northern Portugal. Biochemical Journal, 2004, 383, 469-474.	3.7	32
102	MUC5B expression in gastric carcinoma: relationship with clinico-pathological parameters and with expression of mucins MUC1, MUC2, MUC5AC and MUC6. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2004, 444, 224-230.	2.8	31
103	Pteridium aquilinum and Its Ptaquiloside Toxin Induce DNA Damage Response in Gastric Epithelial Cells, a Link With Gastric Carcinogenesis. Toxicological Sciences, 2012, 126, 60-71.	3.1	31
104	Hypoxia Up-Regulates Galectin-3 in Mammary Tumor Progression and Metastasis. PLoS ONE, 2015, 10, e0134458.	2.5	31
105	Cadherins Glycans in Cancer: Sweet Players in a Bitter Process. Trends in Cancer, 2016, 2, 519-531.	7.4	31
106	Lipid nanoparticles to counteract gastric infection without affecting gut microbiota. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 378-386.	4.3	31
107	Exploring sialyl-Tn expression in microfluidic-isolated circulating tumour cells: A novel biomarker and an analytical tool for precision oncology applications. New Biotechnology, 2019, 49, 77-87.	4.4	31
108	Tunable layer-by-layer films containing hyaluronic acid and their interactions with CD44. Journal of Materials Chemistry B, 2020, 8, 3880-3885.	5.8	31

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109	Infection-associated FUT2 (Fucosyltransferase 2) genetic variation and impact on functionality assessed by in vivo studies. Glycoconjugate Journal, 2010, 27, 61-68.	2.7	29
110	Bacterial-binding chitosan microspheres for gastric infection treatment and prevention. Acta Biomaterialia, 2013, 9, 9370-9378.	8.3	29
111	Sialyl Lewis x expression in canine malignant mammary tumours: correlation with clinicopathological features and E-Cadherin expression. BMC Cancer, 2007, 7, 124.	2.6	28
112	ST6Gal1 targets the ectodomain of ErbB2 in a site-specific manner and regulates gastric cancer cell sensitivity to trastuzumab. Oncogene, 2021, 40, 3719-3733.	5.9	27
113	The Extracellular Small Leucine-Rich Proteoglycan Biglycan Is a Key Player in Gastric Cancer Aggressiveness. Cancers, 2021, 13, 1330.	3.7	26
114	Adhesion of Helicobacter Species to the Human Gastric Mucosa: A Deep Look Into Glycans Role. Frontiers in Molecular Biosciences, 2021, 8, 656439.	3.5	26
115	Rewired glycosylation activity promotes scarless regeneration and functional recovery in spiny mice after complete spinal cord transection. Developmental Cell, 2022, 57, 440-450.e7.	7.0	26
116	Canine Gastric Pathology: A Review. Journal of Comparative Pathology, 2016, 154, 9-37.	0.4	25
117	Phenylethyl Isothiocyanate Extracted from Watercress By-Products with Aqueous Micellar Systems: Development and Optimisation. Antioxidants, 2020, 9, 698.	5.1	25
118	Mucins and mucin-associated carbohydrate antigens expression in gastric carcinoma cell lines. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1999, 435, 479-485.	2.8	24
119	Sialyl Lewisx-dependent binding of human monocyte-derived dendritic cells to selectins. Biochemical and Biophysical Research Communications, 2011, 409, 459-464.	2.1	24
120	Helicobacter pylori infection: A brief overview on alternative natural treatments to conventional therapy. Critical Reviews in Microbiology, 2016, 42, 94-105.	6.1	24
121	Gastric Cancer Cell Glycosylation as a Modulator of the ErbB2 Oncogenic Receptor. International Journal of Molecular Sciences, 2017, 18, 2262.	4.1	24
122	Terminal Î±2,6-sialylation of epidermal growth factor receptor modulates antibody therapy response of colorectal cancer cells. Cellular Oncology (Dordrecht), 2021, 44, 835-850.	4.4	24
123	Sialylation regulates galectin-3/ligand interplay during mammary tumour progression - a case of targeted uncloaking. International Journal of Developmental Biology, 2011, 55, 823-834.	0.6	24
124	KRAS as a Modulator of the Inflammatory Tumor Microenvironment: Therapeutic Implications. Cells, 2022, 11, 398.	4.1	23
125	Multicellular Human Gastric Cancer Spheroids Mimic the Glycosylation Phenotype of Gastric Carcinomas. Molecules, 2018, 23, 2815.	3.8	22
126	Emerging glycoâ€based strategies to steer immune responses. FEBS Journal, 2021, 288, 4746-4772.	4.7	22

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127	MUC1 polymorphism confers increased risk for intestinal metaplasia in a Colombian population with chronic gastritis. European Journal of Human Genetics, 2003, 11, 380-384.	2.8	21
128	Detection of post-translational modifications using solid-phase proximity ligation assay. New Biotechnology, 2018, 45, 51-59.	4.4	21
129	Increased levels of fucosyltransferase IX and carbohydrate Lewisx adhesion determinant in human NT2N neurons. Journal of Neuroscience Research, 2007, 85, 1260-1270.	2.9	20
130	Heparan Sulfate Glycosaminoglycans: (Un)Expected Allies in Cancer Clinical Management. Biomolecules, 2021, 11, 136.	4.0	20
131	Current thoughts on the histopathogenesis of gastric cancer. European Journal of Cancer Prevention, 2001, 10, 101-102.	1.3	20
132	Relevance of MUC1 mucin variable number of tandem repeats polymorphism in H pylori adhesion to gastric epithelial cells. World Journal of Gastroenterology, 2008, 14, 1411.	3.3	20
133	Bioengineered surfaces promote specific proteinâ€“glycan mediated binding of the gastric pathogen Helicobacter pylori. Acta Biomaterialia, 2013, 9, 8885-8893.	8.3	19
134	Orally administrated chitosan microspheres bind Helicobacter pylori and decrease gastric infection in mice. Acta Biomaterialia, 2020, 114, 206-220.	8.3	19
135	Glycans as Targets for Drug Delivery in Cancer. Cancers, 2022, 14, 911.	3.7	19
136	CDX2 expression is induced byHelicobacter pyloriin AGS cells. Scandinavian Journal of Gastroenterology, 2009, 44, 124-125.	1.5	18
137	Sweet receptors mediate the adhesion of the gastric pathogenHelicobacter pylori: glycoproteomic strategies. Expert Review of Proteomics, 2010, 7, 307-310.	3.0	18
138	First-degree relatives of early-onset gastric cancer patients show a high risk for gastric cancer: phenotype and genotype profile. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2013, 463, 391-399.	2.8	18
139	Analysis of sialyl-Lewis x on MUC5AC and MUC1 mucins in pancreatic cancer tissues. International Journal of Biological Macromolecules, 2018, 112, 33-45.	7.5	18
140	Crucial Role of Oncogenic KRAS Mutations in Apoptosis and Autophagy Regulation: Therapeutic Implications. Cells, 2022, 11, 2183.	4.1	18
141	Formation of lactones from sialylated MUC1 glycopeptides. Organic and Biomolecular Chemistry, 2006, 4, 713.	2.8	17
142	MUC1 expression in canine malignant mammary tumours and relationship to clinicopathological features. Veterinary Journal, 2009, 182, 491-493.	1.7	17
143	Helicobacter pylori cagpathogenicity island-positive strains induce syndecan-4 expression in gastric epithelial cells. FEMS Immunology and Medical Microbiology, 2009, 56, 223-232.	2.7	17
144	Deficiency in the glycosyltransferase Gcnt1 increases susceptibility to tuberculosis through a mechanism involving neutrophils. Mucosal Immunology, 2020, 13, 836-848.	6.0	17

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145	Lewis enzyme (Î±1â€“3/4 fucosyltransferase) polymorphisms do not explain the Lewis phenotype in the gastric mucosa of a Portuguese population. Journal of Human Genetics, 2003, 48, 183-189.	2.3	16
146	A comparison of Helicobacter pylori and nonâ€Helicobacter pylori Helicobacter spp. Binding to Canine Gastric Mucosa with Defined Gastric Glycophenotype. Helicobacter, 2014, 19, 249-259.	3.5	16
147	Aberrant protein glycosylation in cancer: implications in targeted therapy. Biochemical Society Transactions, 2021, 49, 843-854.	3.4	16
148	CARâ€Ts: new perspectives in cancer therapy. FEBS Letters, 2022, 596, 403-416.	2.8	16
149	Expression and localization of immunoreactive-sialomucin complex (Muc4) in salivary glands. Tissue and Cell, 2001, 33, 111-118.	2.2	15
150	Anti-Influenza Neuraminidase Inhibitor Oseltamivir Phosphate Induces Canine Mammary Cancer Cell Aggressiveness. PLoS ONE, 2015, 10, e0121590.	2.5	15
151	Bacteria-targeted biomaterials: Glycan-coated microspheres to bind Helicobacter pylori. Acta Biomaterialia, 2016, 33, 40-50.	8.3	15
152	Epitope mapping of a new anti-Tn antibody detecting gastric cancer cells. Glycobiology, 2017, 27, 635-645.	2.5	15
153	Mass Spectrometry Methods for Studying Glycosylation in Cancer. Methods in Molecular Biology, 2013, 1007, 301-316.	0.9	15
154	Molecular Plasticity of E-Cadherin and Sialyl Lewis X Expression, in Two Comparative Models of Mammary Tumorigenesis. PLoS ONE, 2009, 4, e6636.	2.5	15
155	Glycophenotypic Alterations Induced by Pteridium aquilinum in Mice Gastric Mucosa: Synergistic Effect with Helicobacter pylori Infection. PLoS ONE, 2012, 7, e38353.	2.5	15
156	Topographic expression of MUC5AC and MUC6 in the gastric mucosa infected by Helicobacter pylori and in associated diseases. Pathology Research and Practice, 2005, 201, 665-672.	2.3	14
157	Atomic force microscopy measurements reveal multiple bonds between Helicobacter pylori blood group antigen binding adhesin and Lewis b ligand. Journal of the Royal Society Interface, 2014, 11, 20141040.	3.4	14
158	In silico approaches for unveiling novel glycobiomarkers in cancer. Journal of Proteomics, 2018, 171, 95-106.	2.4	14
159	The Thomsen-Friedenreich Antigen: A Highly Sensitive and Specific Predictor of Microsatellite Instability in Gastric Cancer. Journal of Clinical Medicine, 2018, 7, 256.	2.4	14
160	Helicobacter pylori lipopolysaccharide structural domains and their recognition by immune proteins revealed with carbohydrate microarrays. Carbohydrate Polymers, 2021, 253, 117350.	10.2	14
161	Glycopeptide microarray for autoantibody detection in cancer. Expert Review of Proteomics, 2011, 8, 435-437.	3.0	13
162	Glycomic and sialoproteomic data of gastric carcinoma cells overexpressing ST3GAL4. Data in Brief, 2016, 7, 814-833.	1.0	13

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