Gunnar C Hansson

List of Publications by Year
in descending order

294 papers	25,720 citations	8208 78 h-index	9605 147 g-index
301 all docs	301 docs citations	301 times ranked	22139 citing authors

#	Article	IF	Citations
1	Mucins. , 2023, , 415-421.		1
2	Enterotoxigenic <i>Escherichia coli</i> Degrades the Host MUC2 Mucin Barrier To Facilitate Critical Pathogen-Enterocyte Interactions in Human Small Intestine. Infection and Immunity, 2022, 90, IAI0057221.	1.0	16
3	Transglutaminase 3 crosslinks the secreted gel-forming mucus component Mucin-2 and stabilizes the colonic mucus layer. Nature Communications, 2022, 13, 45.	5.8	23
4	Sulfated glycan recognition by carbohydrate sulfatases of the human gut microbiota. Nature Chemical Biology, 2022, 18, 841-849.	3.9	16
5	Mucins MUC5AC and MUC5B Are Variably Packaged in the Same and in Separate Secretory Granules. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1081-1095.	2.5	10
6	Association between <i>Brachyspira</i> and irritable bowel syndrome with diarrhoea. Gut, 2021, 70, 1117-1129.	6.1	31
7	An intercrypt subpopulation of goblet cells is essential for colonic mucus barrier function. Science, 2021, 372, .	6.0	144
8	The IgGFc-binding protein FCGBP is secreted with all GDPH sequences cleaved but maintained by interfragment disulfide bonds. Journal of Biological Chemistry, 2021, 297, 100871.	1.6	20
9	New generation ENaC inhibitors detach cystic fibrosis airway mucus bundles via sodium/hydrogen exchanger inhibition. European Journal of Pharmacology, 2021, 904, 174123.	1.7	4
10	A single sulfatase is required to access colonic mucin by a gut bacterium. Nature, 2021, 598, 332-337.	13.7	87
11	Mucus threads from surface goblet cells clear particles from the airways. Respiratory Research, 2021, 22, 303.	1.4	10
12	Obesity-associated microbiota contributes to mucus layer defects in genetically obese mice. Journal of Biological Chemistry, 2020, 295, 15712-15726.	1.6	28
13	Normal murine respiratory tract has its mucus concentrated in clouds based on the Muc5b mucin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1270-L1279.	1.3	12
14	Membrane mucins of the intestine at a glance. Journal of Cell Science, 2020, 133, .	1.2	74
15	Identifying transglutaminase reaction products via mass spectrometry as exemplified by the MUC2 mucin - Pitfalls and traps. Analytical Biochemistry, 2020, 597, 113668.	1.1	7
16	Mucins and the Microbiome. Annual Review of Biochemistry, 2020, 89, 769-793.	5.0	184
17	Protein Turnover in Epithelial Cells and Mucus along the Gastrointestinal Tract Is Coordinated by the Spatial Location and Microbiota. Cell Reports, 2020, 30, 1077-1087.e3.	2.9	41
18	Potential roles of gut microbiome and metabolites in modulating ALS in mice. Nature, 2019, 572, 474-480.	13.7	454

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19	The Nlrp6 inflammasome is not required for baseline colonic inner mucus layer formation or function. Journal of Experimental Medicine, 2019, 216, 2602-2618.	4.2	83
20	Calcium-activated chloride channel regulator 1 (CLCA1) forms non-covalent oligomers in colonic mucus and has mucin 2â€“processing properties. Journal of Biological Chemistry, 2019, 294, 17075-17089.	1.6	25
21	Normal Calcium-Activated Anion Secretion in a Mouse Selectively Lacking TMEM16A in Intestinal Epithelium. Frontiers in Physiology, 2019, 10, 694.	1.3	8
22	Mucus Architecture and Near-Surface Swimming Affect Distinct Salmonella Typhimurium Infection Patterns along the Murine Intestinal Tract. Cell Reports, 2019, 27, 2665-2678.e3.	2.9	88
23	Structural weakening of the colonic mucus barrier is an early event in ulcerative colitis pathogenesis. Gut, 2019, 68, 2142-2151.	6.1	271
24	Mucus and mucins in diseases of the intestinal and respiratory tracts. Journal of Internal Medicine, 2019, 285, 479-490.	2.7	126
25	Dietary destabilisation of the balance between the microbiota and the colonic mucus barrier. Gut Microbes, 2019, 10, 246-250.	4.3	66
26	The human transmembrane mucin MUC17 responds to TNFÎ± by increased presentation at the plasma membrane. Biochemical Journal, 2019, 476, 2281-2295.	1.7	11
27	Granule-stored MUC5B mucins are packed by the non-covalent formation of N-terminal head-to-head tetramers. Journal of Biological Chemistry, 2018, 293, 5746-5754.	1.6	50
28	Bifidobacteria or Fiber Protects against Diet-Induced Microbiota-Mediated Colonic Mucus Deterioration. Cell Host and Microbe, 2018, 23, 27-40.e7.	5.1	477
29	Progress in understanding mucus abnormalities in cystic fibrosis airways. Journal of Cystic Fibrosis, 2018, 17, S35-S39.	0.3	34
30	Attached stratified mucus separates bacteria from the epithelial cells in COPD lungs. JCI Insight, 2018, 3, .	2.3	35
31	Assembly, Release, and Transport of Airway Mucins in Pigs and Humans. Annals of the American Thoracic Society, 2018, 15, S159-S163.	1.5	20
32	The central exons of the human MUC2 and MUC6 mucins are highly repetitive and variable in sequence between individuals. Scientific Reports, 2018, 8, 17503.	1.6	20
33	Highly Accurate Identification of Cystic Precursor Lesions of Pancreatic Cancer Through Targeted Mass Spectrometry: A Phase IIc Diagnostic Study. Journal of Clinical Oncology, 2018, 36, 367-375.	0.8	43
34	The mucus bundles responsible for airway cleaning are retained in cystic fibrosis and by cholinergic stimulation. European Respiratory Journal, 2018, 52, 1800457.	3.1	43
35	Calcium-activated Chloride Channel Regulator 1 (CLCA1) Controls Mucus Expansion in Colon by Proteolytic Activity. EBioMedicine, 2018, 33, 134-143.	2.7	63
36	Core 1â€“ and 3â€“derived O-glycans collectively maintain the colonic mucus barrier and protect against spontaneous colitis in mice. Mucosal Immunology, 2017, 10, 91-103.	2.7	128

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37	Functional mucous layer and healing of proximal colonic anastomoses in an experimental model. British Journal of Surgery, 2017, 104, 619-630.	0.1	14
38	Postnatal development of the small intestinal mucosa drives age-dependent, regio-selective susceptibility to Escherichia coli K1 infection. Scientific Reports, 2017, 7, 83.	1.6	24
39	Goblet Cell Mediated Antigen Delivery to the Immune System is Linked to Mucus Secretion and Dependent on a Functional Cftr Channel. Gastroenterology, 2017, 152, S24.	0.6	1
40	Intestinal Muc2 mucin O-glycosylation is affected by microbiota and regulated by differential expression of glycosyltranferases. Glycobiology, 2017, 27, 318-328.	1.3	105
41	OligoG <scp>CF</scp>â€5/20 normalizes cystic fibrosis mucus by chelating calcium. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 639-647.	0.9	27
42	The normal trachea is cleaned by MUC5B mucin bundles from the submucosal glands coated with the MUC5AC mucin. Biochemical and Biophysical Research Communications, 2017, 492, 331-337.	1.0	92
43	The Presence of two Bacterial Genera in the Colon Epithelium and Inner Mucus Layer May be Linked to Disease Development in Over a Third of IBS Patients. Gastroenterology, 2017, 152, S160-S161.	0.6	1
44	Cross-Linking of the MUC2 Mucin by Isopeptide Bonds Stabilizes the Colon Mucus and is Altered in Patients with Ulcerative Colitis. Gastroenterology, 2017, 152, S1002-S1003.	0.6	0
45	The Impact of Diet and Obesity on Intestinal Mucus Barrier Function. Gastroenterology, 2017, 152, S1004.	0.6	1
46	Targeted Proteomic Analysis of Pancreatic Cyst Fluid Accurately Identifies Cystic Precursors and Forms of Pancreatic Cancer. Gastroenterology, 2017, 152, S148-S149.	0.6	0
47	Gram-Positive Bacteria are held at a Distance in the Colon Mucus by the Lectin-Like Protein Zg16. Gastroenterology, 2017, 152, S1003.	0.6	2
48	Mucus Detachment by Host Metalloprotease Meprin Î² Requires Shedding of Its Inactive Pro-form, which Is Abrogated by the Pathogenic Protease RgpB. Cell Reports, 2017, 21, 2090-2103.	2.9	31
49	Bacteria Tell Us How to Protect Our Intestine. Cell Host and Microbe, 2017, 22, 3-4.	5.1	15
50	The Protein Composition of the Human Colonic Mucus: Reduced Levels of Core Structural Components in Ulcerative Colitis. Gastroenterology, 2017, 152, S1002.	0.6	0
51	The Mucins. , 2016, , 381-388.		12
52	Immunological aspects of intestinal mucus and mucins. Nature Reviews Immunology, 2016, 16, 639-649.	10.6	613
53	Gram-positive bacteria are held at a distance in the colon mucus by the lectin-like protein ZG16. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13833-13838.	3.3	113
54	Searching the Evolutionary Origin of Epithelial Mucus Protein Componentsâ€"Mucins and FCGBP. Molecular Biology and Evolution, 2016, 33, 1921-1936.	3.5	104

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55	A sentinel goblet cell guards the colonic crypt by triggering Nlrp6-dependent Muc2 secretion. Science, 2016, 352, 1535-1542.	6.0	408
56	The Reduction-insensitive Bonds of the MUC2 Mucin Are Isopeptide Bonds. Journal of Biological Chemistry, 2016, 291, 13580-13590.	1.6	41
57	The Densely O-Glycosylated MUC2 Mucin Protects the Intestine and Provides Food for the Commensal Bacteria. Journal of Molecular Biology, 2016, 428, 3221-3229.	2.0	137
58	Colitogenic Bacteroides thetaiotaomicron Antigens Access Host Immune Cells in a Sulfatase-Dependent Manner via Outer Membrane Vesicles. Cell Host and Microbe, 2015, 17, 672-680.	5.1	179
59	Carbachol-induced colonic mucus formation requires transport via NKCC1, K+ channels and CFTR. Pflugers Archiv European Journal of Physiology, 2015, 467, 1403-1415.	1.3	23
60	The composition of the gut microbiota shapes the colon mucus barrier. EMBO Reports, 2015, 16, 164-177.	2.0	519
61	New developments in goblet cell mucus secretion and function. Mucosal Immunology, 2015, 8, 712-719.	2.7	541
62	Quantitative Imaging of Gut Microbiota Spatial Organization. Cell Host and Microbe, 2015, 18, 478-488.	5.1	359
63	Normalization of Host Intestinal Mucus Layers Requires Long-Term Microbial Colonization. Cell Host and Microbe, 2015, 18, 582-592.	5.1	368
64	Hyper-osmolarity and calcium chelation: Effects on cystic fibrosis mucus. European Journal of Pharmacology, 2015, 764, 109-117.	1.7	14
65	Hypertonic saline releases the attached small intestinal cystic fibrosis mucus. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 69-75.	0.9	11
66	CD103+CD11b+ Dendritic Cells Induce Th17 T Cells in Muc2-Deficient Mice with Extensively Spread Colitis. PLoS ONE, 2015, 10, e0130750.	1.1	24
67	Altered Mucus Glycosylation in Core 1 O-Glycan-Deficient Mice Affects Microbiota Composition and Intestinal Architecture. PLoS ONE, 2014, 9, e85254.	1.1	114
68	Modified-Chitosan/siRNA Nanoparticles Downregulate Cellular CDX2 Expression and Cross the Gastric Mucus Barrier. PLoS ONE, 2014, 9, e99449.	1.1	23
69	Spontaneous Colitis in Muc2-Deficient Mice Reflects Clinical and Cellular Features of Active Ulcerative Colitis. PLoS ONE, 2014, 9, e100217.	1.1	93
70	AGR2, an Endoplasmic Reticulum Protein, Is Secreted into the Gastrointestinal Mucus. PLoS ONE, 2014, 9, e104186.	1.1	58
71	Proteomic Mucin Profiling for the Identification of Cystic Precursors of Pancreatic Cancer. Journal of the National Cancer Institute, 2014, 106, djt439.	3.0	49
72	Bacteria penetrate the normally impenetrable inner colon mucus layer in both murine colitis models and patients with ulcerative colitis. Gut, 2014, 63, 281-291.	6.1	717

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73	Membrane Protein Profiling of Human Colon Reveals Distinct Regional Differences. Molecular and Cellular Proteomics, 2014, 13, 2277-2287.	2.5	32
74	Slc26a3 deficiency is associated with loss of colonic <scp>HCO</scp>₃^{âˆ'} secretion, absence of a firm mucus layer and barrier impairment in mice. Acta Physiologica, 2014, 211, 161-175.	1.8	67
75	Multiple Enzyme Approach for the Characterization of Glycan Modifications on the C-Terminus of the Intestinal MUC2Mucin. Journal of Proteome Research, 2014, 13, 6013-6023.	1.8	17
76	Response. Journal of the National Cancer Institute, 2014, 106, dju330-dju330.	3.0	0
77	Microbial-induced meprin Î² cleavage in MUC2 mucin and a functional CFTR channel are required to release anchored small intestinal mucus. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12396-12401.	3.3	159
78	Inhibition of Cyclooxygenase-2 Prevents Chronic and Recurrent Cystitis. EBioMedicine, 2014, 1, 46-57.	2.7	92
79	Is the Intestinal Goblet Cell a Major Immune Cell?. Cell Host and Microbe, 2014, 15, 251-252.	5.1	51
80	The mucus and mucins of the goblet cells and enterocytes provide the first defense line of the gastrointestinal tract and interact with the immune system. Immunological Reviews, 2014, 260, 8-20.	2.8	895
81	Intestinal MUC2 Mucin Supramolecular Topology by Packing and Release Resting on D3 Domain Assembly. Journal of Molecular Biology, 2014, 426, 2567-2579.	2.0	36
82	Increased Understanding of the Biochemistry and Biosynthesis of MUC2 and Other Gel-Forming Mucins Through the Recombinant Expression of Their Protein Domains. Molecular Biotechnology, 2013, 54, 250-256.	1.3	39
83	The gastrointestinal mucus system in health and disease. Nature Reviews Gastroenterology and Hepatology, 2013, 10, 352-361.	8.2	1,026
84	Unfolding dynamics of the mucin <scp>SEA</scp> domain probed by force spectroscopy suggest that it acts as a cellâ€protective device. FEBS Journal, 2013, 280, 1491-1501.	2.2	33
85	Carbachol-induced MUC17 endocytosis is concomitant with NHE3 internalization and CFTR membrane recruitment in enterocytes. American Journal of Physiology - Cell Physiology, 2013, 305, C457-C467.	2.1	20
86	Studies of mucus in mouse stomach, small intestine, and colon. II. Gastrointestinal mucus proteome reveals Muc2 and Muc5ac accompanied by a set of core proteins. American Journal of Physiology - Renal Physiology, 2013, 305, G348-G356.	1.6	114
87	Mucus and the Goblet Cell. Digestive Diseases, 2013, 31, 305-309.	0.8	89
88	NHE8 plays an important role in mucosal protection via its effect on bacterial adhesion. American Journal of Physiology - Cell Physiology, 2013, 305, C121-C128.	2.1	38
89	Studies of mucus in mouse stomach, small intestine, and colon. III. Gastrointestinal Muc5ac and Muc2 mucin<i>O</i>-glycan patterns reveal a regiospecific distribution. American Journal of Physiology - Renal Physiology, 2013, 305, G357-G363.	1.6	153
90	Studies of mucus in mouse stomach, small intestine, and colon. I. Gastrointestinal mucus layers have different properties depending on location as well as over the Peyer's patches. American Journal of Physiology - Renal Physiology, 2013, 305, G341-G347.	1.6	275

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91	Altered Innate Defenses in the Neonatal Gastrointestinal Tract in Response to Colonization by Neuropathogenic Escherichia coli. Infection and Immunity, 2013, 81, 3264-3275.	1.0	40
92	The goblet cell: a key player in ischaemia-reperfusion injury. Gut, 2013, 62, 188-189.	6.1	21
93	Site-specific O-Glycosylation on the MUC2 Mucin Protein Inhibits Cleavage by the Porphyromonas gingivalis Secreted Cysteine Protease (RgpB). Journal of Biological Chemistry, 2013, 288, 14636-14646.	1.6	69
94	Dynamic Changes in Mucus Thickness and Ion Secretion during Citrobacter rodentium Infection and Clearance. PLoS ONE, 2013, 8, e84430.	1.1	44
95	Mucus Properties and Goblet Cell Quantification in Mouse, Rat and Human Ileal Peyer's Patches. PLoS ONE, 2013, 8, e83688.	1.1	46
96	Detailed O-glycomics of the Muc2 mucin from colon of wild-type, core 1- and core 3-transferase-deficient mice highlights differences compared with human MUC2. Glycobiology, 2012, 22, 1128-1139.	1.3	72
97	Calcium and pH-dependent packing and release of the gel-forming MUC2 mucin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5645-5650.	3.3	265
98	Reply to Verdugo: Mucins form highly organized supramolecular structures. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, .	3.3	3
99	Perspectives on Mucus Properties and Formation--Lessons from the Biochemical World. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a014159-a014159.	2.9	59
100	Effects of cathepsin K deficiency on intercellular junction proteins, luminal mucus layers, and extracellular matrix constituents in the mouse colon. Biological Chemistry, 2012, 393, 1391-1403.	1.2	14
101	Preservation of Mucus in Histological Sections, Immunostaining of Mucins in Fixed Tissue, and Localization of Bacteria with FISH. Methods in Molecular Biology, 2012, 842, 229-235.	0.4	142
102	Glycosphingolipid composition of epithelial cells isolated along the villus axis of small intestine of a single human individual. Glycobiology, 2012, 22, 1721-1730.	1.3	53
103	An ex vivo method for studying mucus formation, properties, and thickness in human colonic biopsies and mouse small and large intestinal explants. American Journal of Physiology - Renal Physiology, 2012, 302, G430-G438.	1.6	181
104	Proteomic Study of the Mucin Granulae in an Intestinal Goblet Cell Model. Journal of Proteome Research, 2012, 11, 1879-1890.	1.8	25
105	Role of mucus layers in gut infection and inflammation. Current Opinion in Microbiology, 2012, 15, 57-62.	2.3	368
106	Bicarbonate and functional CFTR channel are required for proper mucin secretion and link cystic fibrosis with its mucus phenotype. Journal of Experimental Medicine, 2012, 209, 1263-1272.	4.2	292
107	Ulcerative colitis patients in remission have an altered secretory capacity in the proximal colon despite macroscopically normal mucosa. Neurogastroenterology and Motility, 2012, 24, e381-91.	1.6	10
108	Ex Vivo Measurements of Mucus Secretion by Colon Explants. Methods in Molecular Biology, 2012, 842, 237-243.	0.4	9

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109	Analysis of Assembly of Secreted Mucins. Methods in Molecular Biology, 2012, 842, 109-121.	0.4	14
110	Function of the CysD domain of the gel-forming MUC2 mucin. Biochemical Journal, 2011, 436, 61-70.	1.7	78
111	Keeping Bacteria at a Distance. Science, 2011, 334, 182-183.	6.0	89
112	Importance and regulation of the colonic mucus barrier in a mouse model of colitis. American Journal of Physiology - Renal Physiology, 2011, 300, G327-G333.	1.6	302
113	Deficiency for the Metalloproteinase Meprin 1-Beta Enhances Severity of, and Delays Recovery From Acute DSS Colitis. Gastroenterology, 2011, 140, S-497-S-498.	0.6	0
114	Stromal IFN-Î³R-Signaling Modulates Goblet Cell Function During Salmonella Typhimurium Infection. PLoS ONE, 2011, 6, e22459.	1.1	78
115	Recombinant glycoprotein E produced in mammalian cells in large-scale as an antigen for varicella-zoster-virus serology. Journal of Virological Methods, 2011, 175, 53-59.	1.0	18
116	Identification and Quantification of Mucin Expression. Methods in Molecular Biology, 2011, 742, 127-141.	0.4	4
117	Composition and functional role of the mucus layers in the intestine. Cellular and Molecular Life Sciences, 2011, 68, 3635-3641.	2.4	404
118	O-glycosylation of MUC1 mucin in prostate cancer and the effects of its expression on tumor growth in a prostate cancer xenograft model. Tumor Biology, 2011, 32, 203-213.	0.8	17
119	Altered O-glycosylation profile of MUC2 mucin occurs in active ulcerative colitis and is associated with increased inflammation. Inflammatory Bowel Diseases, 2011, 17, 2299-2307.	0.9	243
120	CFTR anion channel modulates expression of human transmembrane mucin MUC3 through the PDZ protein GOPC. Journal of Cell Science, 2011, 124, 3074-3083.	1.2	25
121	The two mucus layers of colon are organized by the MUC2 mucin, whereas the outer layer is a legislator of hostâ€"microbial interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4659-4665.	3.3	1,084
122	Loss of intestinal core 1â€"derived O-glycans causes spontaneous colitis in mice. Journal of Clinical Investigation, 2011, 121, 1657-1666.	3.9	285
123	Sparkling water â€" bicarbonate for cervix and cystic fibrosis. Journal of Physiology, 2010, 588, 2685-2685.	1.3	6
124	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	2.5	136
125	The inner of the two Muc2 mucin-dependent mucus layers in colon is devoid of bacteria. Gut Microbes, 2010, 1, 51-54.	4.3	173
126	Lactobacillus and Bifidobacterium species do not secrete protease that cleaves the MUC2 mucin which organises the colon mucus. Beneficial Microbes, 2010, 1, 343-350.	1.0	27

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127	Enhanced Detection of Sialylated and Sulfated Glycans with Negative Ion Mode Nanoliquid Chromatography/Mass Spectrometry at High pH. Analytical Chemistry, 2010, 82, 1470-1477.	3.2	28
128	Bacteria Penetrate the Inner Mucus Layer before Inflammation in the Dextran Sulfate Colitis Model. PLoS ONE, 2010, 5, e12238.	1.1	288
129	O-Glycans on Recombinant MUC1 Produced in CHO K1 Cells Become Less Sialylated with Increased Protein Productivity, as Determined by LC-ESI MS. , 2010, , 285-288.		0
130	Localization of O-glycans in MUC1 glycoproteins using electron-capture dissociation fragmentation mass spectrometry. Glycobiology, 2009, 19, 375-381.	1.3	35
131	A complex, but uniform O-glycosylation of the human MUC2 mucin from colonic biopsies analyzed by nanoLC/MSn. Glycobiology, 2009, 19, 756-766.	1.3	216
132	Molecular Evolution of Specific Human Antibody against MUC1 Mucin Results in Improved Recognition of the Antigen on Tumor Cells. Tumor Biology, 2009, 30, 221-231.	0.8	10
133	Cervical mucins carry Î±(1,2)fucosylated glycans that partly protect from experimental vaginal candidiasis. Glycoconjugate Journal, 2009, 26, 1125-1134.	1.4	33
134	Sensitive Liquid Chromatography-Electrospray Mass Spectrometry Allows for the Analysis of the O-Glycosylation of Immunoprecipitated Proteins from Cells or Tissues: Application to MUC1 Glycosylation in Cancer. Journal of Proteome Research, 2009, 8, 538-545.	1.8	25
135	Proteomic Analyses of the Two Mucus Layers of the Colon Barrier Reveal That Their Main Component, the Muc2 Mucin, Is Strongly Bound to the Fcgbp Protein. Journal of Proteome Research, 2009, 8, 3549-3557.	1.8	188
136	Mapping of the 45M1 epitope to the Câ€terminal cysteineâ€rich part of the human MUC5AC mucin. FEBS Journal, 2008, 275, 481-489.	2.2	40
137	CD43 promotes cell growth and helps to evade FAS-mediated apoptosis in non-hematopoietic cancer cells lacking the tumor suppressors p53 or ARF. Oncogene, 2008, 27, 1705-1715.	2.6	19
138	The C-terminus of the transmembrane mucin MUC17 binds to the scaffold protein PDZK1 that stably localizes it to the enterocyte apical membrane in the small intestine. Biochemical Journal, 2008, 410, 283-289.	1.7	39
139	The inner of the two Muc2 mucin-dependent mucus layers in colon is devoid of bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15064-15069.	3.3	1,657
140	The gastric mucus layers: constituents and regulation of accumulation. American Journal of Physiology - Renal Physiology, 2008, 295, G806-G812.	1.6	88
141	Large Scale Identification of Proteins, Mucins, and Their O-Glycosylation in the Endocervical Mucus during the Menstrual Cycle. Molecular and Cellular Proteomics, 2007, 6, 708-716.	2.5	156
142	Gel-forming mucins appeared early in metazoan evolution. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16209-16214.	3.3	253
143	Internal Repeat Variability in Mucin Sequences. Biomacromolecules, 2006, 7, 3542-3543.	2.6	2
144	Cleavage in the GDPH sequence of the C-terminal cysteine-rich part of the human MUC5AC mucin. Biochemical Journal, 2006, 399, 121-129.	1.7	52

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145	Autoproteolysis coupled to protein folding in the SEA domain of the membrane-bound MUC1 mucin. Nature Structural and Molecular Biology, 2006, 13, 71-76.	3.6	233
146	An inventory of mucin genes in the chicken genome shows that the mucin domain of Muc13 is encoded by multiple exons and that ovomucin is part of a locus of related gel-forming mucins. BMC Genomics, 2006, 7, 197.	1.2	63
147	Increased levels of mucins in the cystic fibrosis mouse small intestine, and modulator effects of the Muc1 mucin expression. American Journal of Physiology - Renal Physiology, 2006, 291, G203-G210.	1.6	53
148	The ST6GalNAc-I Sialyltransferase Localizes throughout the Golgi and Is Responsible for the Synthesis of the Tumor-associated Sialyl-Tn O-Glycan in Human Breast Cancer. Journal of Biological Chemistry, 2006, 281, 3586-3594.	1.6	210
149	Entamoeba histolytica cysteine proteases cleave the MUC2 mucin in its C-terminal domain and dissolve the protective colonic mucus gel. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9298-9303.	3.3	240
150	Biosynthesis and Secretion of Mucins, Especially the MUC2 Mucin, in Relation to Cystic Fibrosis. Advances in Experimental Medicine and Biology, 2005, , 169-178.	0.8	1
151	Shedding and Î³-secretase-mediated intramembrane proteolysis of the mucin-type molecule CD43. Biochemical Journal, 2005, 387, 377-384.	1.7	44
152	Gastrointestinal mucins of Fut2-null mice lack terminal fucosylation without affecting colonization by Candida albicans. Glycobiology, 2005, 15, 1002-1007.	1.3	42
153	Recombinant Tumor-Associated MUC1 Glycoprotein Impairs the Differentiation and Function of Dendritic Cells. Journal of Immunology, 2005, 174, 7764-7772.	0.4	82
154	A MUC1 tandem repeat reporter protein produced in CHO-K1 cells has sialylated core 1 O-glycans and becomes more densely glycosylated if coexpressed with polypeptide-GalNAc-T4 transferase. Glycobiology, 2004, 15, 177-191.	1.3	32
155	Bioinformatic identification of polymerizing and transmembrane mucins in the puffer fish Fugu rubripes. Glycobiology, 2004, 14, 521-527.	1.3	37
156	Bcr (breakpoint cluster region) protein binds to PDZ-domains of scaffold protein PDZK1 and vesicle coat protein Mint3. Journal of Cell Science, 2004, 117, 5535-5541.	1.2	22
157	CD43 has a functional NLS, interacts with Î²-catenin, and affects gene expression. Biochemical and Biophysical Research Communications, 2004, 316, 12-17.	1.0	32
158	MUC1 can interact with adenomatous polyposis coli in breast cancer. Biochemical and Biophysical Research Communications, 2004, 316, 364-369.	1.0	19
159	Alternative splicing of the human MUC2 gene. Archives of Biochemistry and Biophysics, 2004, 421, 21-33.	1.4	16
160	Bioprocess development for the production of a recombinant MUC1 fusion protein expressed by CHO-K1 cells in protein-free medium. Journal of Biotechnology, 2004, 110, 51-62.	1.9	60
161	Mucins and their O-Glycans from human bronchial epithelial cell cultures. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L824-L834.	1.3	72
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