

Stuart M Haslam

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

7,051
citations

44
h-index

83
g-index

115
ext. papers

8,009
ext. citations

7.1
avg, IF

5.48
L-index

#	Paper	IF	Citations
111	Red blood cell mannoses as phagocytic ligands mediating both sickle cell anaemia and malaria resistance. <i>Nature Communications</i> , 2021 , 12, 1792	17.4	5
110	Loss of α -6 sialylation promotes the transformation of synovial fibroblasts into a pro-inflammatory phenotype in arthritis. <i>Nature Communications</i> , 2021 , 12, 2343	17.4	4
109	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog AcGalNTGc. <i>Cell Chemical Biology</i> , 2021 , 28, 699-710.e5	8.2	2
108	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. <i>Glycobiology</i> , 2021 , 31, 181-187	5.8	23
107	Glycoengineering Chinese hamster ovary cells: a short history. <i>Biochemical Society Transactions</i> , 2021 , 49, 915-931	5.1	2
106	Major differences in glycosylation and Fucosyltransferase expression in low-grade versus high-grade bladder cancer cell lines. <i>Glycobiology</i> , 2021 ,	5.8	2
105	Analysis of N- and O-Linked Glycosylation: Differential Glycosylation after Rat Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 1954-1962	5.4	4
104	Altered glycosylation of glycodelin in endometrial carcinoma. <i>Laboratory Investigation</i> , 2020 , 100, 1014-1025	5.9	4
103	Role of galectin-glycan circuits in reproduction: from healthy pregnancy to preterm birth (PTB). <i>Seminars in Immunopathology</i> , 2020 , 42, 469-486	12	4
102	Discovery of O-Linked Carbohydrate on HIV-1 Envelope and Its Role in Shielding against One Category of Broadly Neutralizing Antibodies. <i>Cell Reports</i> , 2020 , 30, 1862-1869.e4	10.6	15
101	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. <i>PLoS ONE</i> , 2020 , 15, e0228507	3.7	4
100	Glycan biomarkers for Alzheimer disease correlate with T-tau and P-tau in cerebrospinal fluid in subjective cognitive impairment. <i>FEBS Journal</i> , 2020 , 287, 3221-3234	5.7	17
99	Metabolic precision labeling enables selective probing of O-linked -acetylgalactosamine glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25293-25301	11.5	24
98	Vulpeculin: a novel and abundant lipocalin in the urine of the common brushtail possum,. <i>Open Biology</i> , 2020 , 10, 200218	7	1
97	Glycan characterization of pregnancy-specific glycoprotein 1 and its identification as a novel Galectin-1 ligand. <i>Glycobiology</i> , 2020 , 30, 895-909	5.8	6
96	Serum IgA1 shows increased levels of 2,6-linked sialic acid in breast cancer. <i>Interface Focus</i> , 2019 , 9, 20180079	3.9	12
95	Host and viral determinants of influenza A virus species specificity. <i>Nature Reviews Microbiology</i> , 2019 , 17, 67-81	22.2	193

94	Loss of GCNT2/I-branched glycans enhances melanoma growth and survival. <i>Nature Communications</i> , 2018 , 9, 3368	17.4	15
93	Towards automation of glycomic profiling of complex biological materials. <i>Glycoconjugate Journal</i> , 2018 , 35, 311-321	3	7
92	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. <i>Frontiers in Immunology</i> , 2018 , 9, 2857	8.4	14
91	XBP1s activation can globally remodel N-glycan structure distribution patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10089-E10098	11.5	20
90	The mucinous domain of pancreatic carboxyl-ester lipase (CEL) contains core 1/core 2 glycans that can be modified by ABO blood group determinants. <i>Journal of Biological Chemistry</i> , 2018 , 293, 19476-19491	5.4	7
89	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. <i>Cell Chemical Biology</i> , 2018 , 25, 1519-1532.e5	8.2	22
88	Characterization of H type 1 and type 1 -acetyllactosamine glycan epitopes on ovarian cancer specifically recognized by the anti-glycan monoclonal antibody mAb-A4. <i>Journal of Biological Chemistry</i> , 2017 , 292, 6163-6176	5.4	14
87	Effects of altered sialic acid biosynthesis on -linked glycan branching and cell surface interactions. <i>Journal of Biological Chemistry</i> , 2017 , 292, 9637-9651	5.4	13
86	HEK293T cell lines defective for O-linked glycosylation. <i>PLoS ONE</i> , 2017 , 12, e0179949	3.7	14
85	The human fetoembryonic defense system hypothesis: Twenty years on. <i>Molecular Aspects of Medicine</i> , 2016 , 51, 71-88	16.7	9
84	Mapping the complete glycoproteome of virion-derived HIV-1 gp120 provides insights into broadly neutralizing antibody binding. <i>Scientific Reports</i> , 2016 , 6, 32956	4.9	56
83	Characterization of the N-glycans of female <i>Angiostrongylus cantonensis</i> worms. <i>Experimental Parasitology</i> , 2016 , 166, 137-43	2.1	11
82	Evidence for Differential Glycosylation of Trophoblast Cell Types. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1857-66	7.6	20
81	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. <i>Chemistry and Biology</i> , 2015 , 22, 1052-62		32
80	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. <i>Chemistry and Biology</i> , 2015 , 22, 1301-12		26
79	ST3Gal-4 is the primary sialyltransferase regulating the synthesis of E-, P-, and L-selectin ligands on human myeloid leukocytes. <i>Blood</i> , 2015 , 125, 687-96	2.2	54
78	Global N-linked Glycosylation is Not Significantly Impaired in Myoblasts in Congenital Myasthenic Syndromes Caused by Defective Glutamine-Fructose-6-Phosphate Transaminase 1 (GFPT1). <i>Biomolecules</i> , 2015 , 5, 2758-81	5.9	9
77	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. <i>PLoS ONE</i> , 2015 , 10, e0132389	3.7	9

76	Annotation of glycomics MS and MS/MS spectra using the GlycoWorkbench software tool. <i>Methods in Molecular Biology</i> , 2015 , 1273, 3-15	1.4	39
75	Mass Spectrometric Analyses of Cell and Tissue Glycomes 2015 , 69-77		1
74	Unique, polyfucosylated glycan-receptor interactions are essential for regeneration of Hydra magnipapillata. <i>ACS Chemical Biology</i> , 2014 , 9, 147-55	4.9	9
73	Methylated glycans as conserved targets of animal and fungal innate defense. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2787-96	11.5	55
72	Hypomorphic homozygous mutations in phosphoglucomutase 3 (PGM3) impair immunity and increase serum IgE levels. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 1410-9, 1419.e1-13	11.5	129
71	Systemic blockade of sialylation in mice with a global inhibitor of sialyltransferases. <i>Journal of Biological Chemistry</i> , 2014 , 289, 35149-58	5.4	67
70	Towards controlling the glycoform: a model framework linking extracellular metabolites to antibody glycosylation. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 4492-522	6.3	65
69	Glycomic characterization of respiratory tract tissues of ferrets: implications for its use in influenza virus infection studies. <i>Journal of Biological Chemistry</i> , 2014 , 289, 28489-504	5.4	65
68	Toolboxes for a standardised and systematic study of glycans. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 1, S9	3.6	56
67	Profiling of glycan receptors for minute virus of mice in permissive cell lines towards understanding the mechanism of cell recognition. <i>PLoS ONE</i> , 2014 , 9, e86909	3.7	12
66	Mass Spectrometric Analyses of Cell and Tissue Glycomes 2014 , 1-9		
65	The use of surface immobilization of P-selectin glycoprotein ligand-1 on mesenchymal stem cells to facilitate selectin mediated cell tethering and rolling. <i>Biomaterials</i> , 2013 , 34, 8213-22	15.6	35
64	Novel expression of Haemonchus contortus vaccine candidate aminopeptidase H11 using the free-living nematode Caenorhabditis elegans. <i>Veterinary Research</i> , 2013 , 44, 111	3.8	32
63	Differential immunogenicity and allergenicity of native and recombinant human lactoferrins: role of glycosylation. <i>European Journal of Immunology</i> , 2013 , 43, 170-81	6.1	31
62	Glycomic analysis of human respiratory tract tissues and correlation with influenza virus infection. <i>PLoS Pathogens</i> , 2013 , 9, e1003223	7.6	168
61	Polylactosaminoglycan glycomics: enhancing the detection of high-molecular-weight N-glycans in matrix-assisted laser desorption ionization time-of-flight profiles by matched filtering. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 996-1004	7.6	14
60	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting mass-spectrometry-based glycoanalytic data. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 991-5	7.6	82
59	Infection of swine ex vivo tissues with avian viruses including H7N9 and correlation with glycomic analysis. <i>Influenza and Other Respiratory Viruses</i> , 2013 , 7, 1269-82	5.6	24

58	Competition between core-2 GlcNAc-transferase and ST6GalNAc-transferase regulates the synthesis of the leukocyte selectin ligand on human P-selectin glycoprotein ligand-1. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13974-13987	5.4	35
57	Global metabolic inhibitors of sialyl- and fucosyltransferases remodel the glycome. <i>Nature Chemical Biology</i> , 2012 , 8, 661-8	11.7	267
56	Glycomic analysis of human mast cells, eosinophils and basophils. <i>Glycobiology</i> , 2012 , 22, 12-22	5.8	25
55	Tumor biomarker glycoproteins in the seminal plasma of healthy human males are endogenous ligands for DC-SIGN. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.008730	7.6	19
54	Loss of effector function of human cytolytic T lymphocytes is accompanied by major alterations in N- and O-glycosylation. <i>Journal of Biological Chemistry</i> , 2012 , 287, 11240-51	5.4	31
53	Comparison of the baculovirus-insect cell and <i>Pichia pastoris</i> heterologous systems for the expression of the human tumor suppressor protein RNASSET2. <i>Biotechnology and Applied Biochemistry</i> , 2011 , 58, 39-49	2.8	9
52	Human sperm binding is mediated by the sialyl-Lewis(x) oligosaccharide on the zona pellucida. <i>Science</i> , 2011 , 333, 1761-4	33.3	235
51	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. <i>Glycobiology</i> , 2011 , 21, 914-24	5.8	68
50	Peracetylated 4-fluoro-glucosamine reduces the content and repertoire of N- and O-glycans without direct incorporation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21717-31	5.4	52
49	The antifungal drug itraconazole inhibits vascular endothelial growth factor receptor 2 (VEGFR2) glycosylation, trafficking, and signaling in endothelial cells. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44045-44056	5.4	83
48	EUROCarbDB: An open-access platform for glycoinformatics. <i>Glycobiology</i> , 2011 , 21, 493-502	5.8	108
47	Simian immunodeficiency virus from the sooty mangabey and rhesus macaque is modified with O-linked carbohydrate. <i>Journal of Virology</i> , 2011 , 85, 582-95	6.6	20
46	Early murine T-lymphocyte activation is accompanied by a switch from N-Glycolyl- to N-acetyl-neuraminic acid and generation of ligands for siglec-E. <i>Journal of Biological Chemistry</i> , 2011 , 286, 34522-32	5.4	37
45	Identification of neutrophil granule glycoproteins as Lewis(x)-containing ligands cleared by the scavenger receptor C-type lectin. <i>Journal of Biological Chemistry</i> , 2011 , 286, 24336-49	5.4	30
44	Alterations of serum protein N-glycosylation in two mouse models of chronic liver disease are hepatocyte and not B cell driven. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G833-42	5.1	23
43	Histo-blood group antigens act as attachment factors of rabbit hemorrhagic disease virus infection in a virus strain-dependent manner. <i>PLoS Pathogens</i> , 2011 , 7, e1002188	7.6	78
42	Mouse and Human Glycomes 2010 , 263-327		4
41	Physiological and glycomic characterization of N-acetylglucosaminyltransferase-IVa and -IVb double deficient mice. <i>Glycobiology</i> , 2010 , 20, 485-97	5.8	42

40	Comparison of methods for profiling O-glycosylation: Human Proteome Organisation Human Disease Glycomics/Proteome Initiative multi-institutional study of IgA1. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 719-27	7.6	126
39	Mass spectrometric analysis of mutant mice. <i>Methods in Enzymology</i> , 2010 , 478, 27-77	1.7	42
38	Glycomics profiling of Chinese hamster ovary cell glycosylation mutants reveals N-glycans of a novel size and complexity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5759-75	5.4	159
37	Glycan analysis and influenza A virus infection of primary swine respiratory epithelial cells: the importance of NeuAc{alpha}2-6 glycans. <i>Journal of Biological Chemistry</i> , 2010 , 285, 34016-26	5.4	83
36	Serum N-glycome biomarker for monitoring development of DENA-induced hepatocellular carcinoma in rat. <i>Molecular Cancer</i> , 2010 , 9, 215	42.1	23
35	Regulated and aberrant glycosylation modulate cardiac electrical signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 16517-22	11.5	86
34	Glycan family analysis for deducing N-glycan topology from single MS. <i>Bioinformatics</i> , 2009 , 25, 365-71	7.2	107
33	DAS181 inhibits H5N1 influenza virus infection of human lung tissues. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 3935-41	5.9	60
32	Mass spectrometry in the analysis of N-linked and O-linked glycans. <i>Current Opinion in Structural Biology</i> , 2009 , 19, 498-506	8.1	188
31	Glycoproteomics: past, present and future. <i>FEBS Letters</i> , 2009 , 583, 1728-35	3.8	72
30	Structural characterisation of neutrophil glycans by ultra sensitive mass spectrometric glycomics methodology. <i>Glycoconjugate Journal</i> , 2009 , 26, 975-86	3	62
29	The N-glycolyl form of mouse sialyl Lewis X is recognized by selectins but not by HECA-452 and FH6 antibodies that were raised against human cells. <i>Glycoconjugate Journal</i> , 2009 , 26, 511-23	3	26
28	Characterizing the glycome of the mammalian immune system. <i>Immunology and Cell Biology</i> , 2008 , 86, 564-73	5	47
27	GlycoWorkbench: a tool for the computer-assisted annotation of mass spectra of glycans. <i>Journal of Proteome Research</i> , 2008 , 7, 1650-9	5.6	723
26	Software tool for the structural determination of glycosaminoglycans by mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 9204-12	7.8	31
25	Resistance to Bacillus thuringiensis toxin in Caenorhabditis elegans from loss of fucose. <i>Journal of Biological Chemistry</i> , 2007 , 282, 3302-11	5.4	41
24	The GlycanBuilder: a fast, intuitive and flexible software tool for building and displaying glycan structures. <i>Source Code for Biology and Medicine</i> , 2007 , 2, 3	1.9	124
23	Dendritic cell maturation results in pronounced changes in glycan expression affecting recognition by siglecs and galectins. <i>Journal of Immunology</i> , 2007 , 179, 8216-24	5.3	100

22	Mass spectrometric analysis of N- and O-glycosylation of tissues and cells. <i>Current Opinion in Structural Biology</i> , 2006 , 16, 584-91	8.1	100
21	Protein glycosylation in <i>Parelaphostrongylus tenuis</i> —first description of the Gal α 1-3Gal sequence in a nematode. <i>Glycobiology</i> , 2006 , 16, 854-62	5.8	22
20	A focused microarray approach to functional glycomics: transcriptional regulation of the glycome. <i>Glycobiology</i> , 2006 , 16, 117-31	5.8	143
19	Glycomic studies of <i>Drosophila melanogaster</i> embryos. <i>Glycoconjugate Journal</i> , 2006 , 23, 345-54	3	46
18	Glycolipids as receptors for <i>Bacillus thuringiensis</i> crystal toxin. <i>Science</i> , 2005 , 307, 922-5	33.3	278
17	Mass spectrometric characterisation of <i>Taenia crassiceps</i> metacestode N-glycans. <i>Molecular and Biochemical Parasitology</i> , 2005 , 143, 245-9	1.9	23
16	Novel poly-GalNAc β 1-4GlcNAc (LacdiNAc) and fucosylated poly-LacdiNAc N-glycans from mammalian cells expressing β 1,4-N-acetylgalactosaminyltransferase and α 1,3-fucosyltransferase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12810-9	5.4	49
15	Structural characterization of the N-linked glycans from <i>Taenia solium</i> metacestodes. <i>Molecular and Biochemical Parasitology</i> , 2003 , 126, 103-7	1.9	26
14	N-linked glycosylation in <i>Campylobacter jejuni</i> and its functional transfer into <i>E. coli</i> . <i>Science</i> , 2002 , 298, 1790-3	33.3	618
13	Mass spectrometric strategies: providing structural clues for helminth glycoproteins. <i>Trends in Parasitology</i> , 2001 , 17, 231-5	6.4	33
12	Characterization of the N-linked glycans of adult <i>Trichinella spiralis</i> . <i>Molecular and Biochemical Parasitology</i> , 2000 , 109, 171-7	1.9	27
11	Structural studies of N-glycans of filarial parasites. Conservation of phosphorylcholine-substituted glycans among species and discovery of novel chito-oligomers. <i>Journal of Biological Chemistry</i> , 1999 , 274, 20953-60	5.4	78
10	A study of fucoidan from the brown seaweed <i>Chorda filum</i> . <i>Carbohydrate Research</i> , 1999 , 320, 108-19	2.9	250
9	Immunogenic glycoconjugates implicated in parasitic nematode diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999 , 1455, 353-62	6.9	61
8	Structural analysis of laminarans by MALDI and FAB mass spectrometry. <i>Carbohydrate Research</i> , 1998 , 310, 203-210	2.9	78
7	The novel core fucosylation of <i>Haemonchus contortus</i> N-glycans is stage specific. <i>Molecular and Biochemical Parasitology</i> , 1998 , 93, 143-7	1.9	43
6	Structural analysis of sequences O-linked to mannose reveals a novel Lewis X structure in cranin (dystroglycan) purified from sheep brain. <i>Journal of Biological Chemistry</i> , 1998 , 273, 23698-703	5.4	106
5	A novel pentasaccharide sequence GlcA(3-sulfate)(β 1-3)GalNAc(4-sulfate)(β 1-4)(Fuc α 1-3)GlcA(β 1-3)GalNAc(4-sulfate) in the oligosaccharides isolated from king crab cartilage chondroitin sulfate K and its differential susceptibility to chondroitinases and hyaluronidase. <i>Biochemistry</i> , 1997 , 36, 3898-4000	3.2	35

4	Characterisation of the phosphorylcholine-containing N-linked oligosaccharides in the excretory-secretory 62 kDa glycoprotein of <i>Acanthocheilonema viteae</i> . <i>Molecular and Biochemical Parasitology</i> , 1997 , 85, 53-66	1.9	85
3	<i>Haemonchus contortus</i> glycoproteins contain N-linked oligosaccharides with novel highly fucosylated core structures. <i>Journal of Biological Chemistry</i> , 1996 , 271, 30561-70	5.4	125
2	Efficient Inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc		1
1	Human erythrocyte surface fucose expression increases with age and hyperglycemia. <i>Wellcome Open Research</i> , 6 , 28	4.8	