

Stuart M Haslam

List of Publications by Citations

Source: <https://exaly.com/author-pdf/12202172/stuart-m-haslam-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
110	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
109	Glycolipids as receptors for <i>Bacillus thuringiensis</i> crystal toxin. <i>Science</i> , 2005 , 307, 922-5	33.3	278
108	Global metabolic inhibitors of sialyl- and fucosyltransferases remodel the glycome. <i>Nature Chemical Biology</i> , 2012 , 8, 661-8	11.7	267
107	A study of fucoidan from the brown seaweed <i>Chorda filum</i> . <i>Carbohydrate Research</i> , 1999 , 320, 108-19	2.9	250
106	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
105	Host and viral determinants of influenza A virus species specificity. <i>Nature Reviews Microbiology</i> , 2019 , 17, 67-81	22.2	193
104	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
103	Glycomic analysis of human respiratory tract tissues and correlation with influenza virus infection. <i>PLoS Pathogens</i> , 2013 , 9, e1003223	7.6	168
102	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
101	A focused microarray approach to functional glycomics: transcriptional regulation of the glycome. <i>Glycobiology</i> , 2006 , 16, 117-31	5.8	143
100	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
99	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
98	<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
97	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
96	EUROCarbDB: An open-access platform for glycoinformatics. <i>Glycobiology</i> , 2011 , 21, 493-502	5.8	108
95	Glycan family analysis for deducing N-glycan topology from single MS. <i>Bioinformatics</i> , 2009 , 25, 365-71	7.2	107

94	Structural analysis of sequences O-linked to mannose reveals a novel Lewis X structure in crinin (dystroglycan) purified from sheep brain. <i>Journal of Biological Chemistry</i> , 1998 , 273, 23698-703	5.4	106
93	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
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	Structural analysis of laminarans by MALDI and FAB mass spectrometry. <i>Carbohydrate Research</i> , 1998 , 310, 203-210	2.9	78
84	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
83	Glycoproteomics: past, present and future. <i>FEBS Letters</i> , 2009 , 583, 1728-35	3.8	72
82	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
81	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
80	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
79	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
78	Structural characterisation of neutrophil glycans by ultra sensitive mass spectrometric glycomics methodology. <i>Glycoconjugate Journal</i> , 2009 , 26, 975-86	3	62
77	Immunogenic glycoconjugates implicated in parasitic nematode diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999 , 1455, 353-62	6.9	61

76	DAS181 inhibits H5N1 influenza virus infection of human lung tissues. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 3935-41	5.9	60
75	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
74	Toolboxes for a standardised and systematic study of glycans. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 1, S9	3.6	56
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	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
71	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
70	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
69	Characterizing the glycome of the mammalian immune system. <i>Immunology and Cell Biology</i> , 2008 , 86, 564-73	5	47
68	Glycomic studies of <i>Drosophila melanogaster</i> embryos. <i>Glycoconjugate Journal</i> , 2006 , 23, 345-54	3	46
67	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
66	Physiological and glycomic characterization of N-acetylglucosaminyltransferase-IVa and -IVb double deficient mice. <i>Glycobiology</i> , 2010 , 20, 485-97	5.8	42
65	Mass spectrometric analysis of mutant mice. <i>Methods in Enzymology</i> , 2010 , 478, 27-77	1.7	42
64	Resistance to <i>Bacillus thuringiensis</i> toxin in <i>Caenorhabditis elegans</i> from loss of fucose. <i>Journal of Biological Chemistry</i> , 2007 , 282, 3302-11	5.4	41
63	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
62	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
61	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
60	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
59	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, 3898-1000	3.2	35

58	Mass spectrometric strategies: providing structural clues for helminth glycoproteins. <i>Trends in Parasitology</i> , 2001 , 17, 231-5	6.4	33
57	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. <i>Chemistry and Biology</i> , 2015 , 22, 1052-62		32
56	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
55	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
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	Software tool for the structural determination of glycosaminoglycans by mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 9204-12	7.8	31
52	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
51	Characterization of the N-linked glycans of adult Trichinella spiralis. <i>Molecular and Biochemical Parasitology</i> , 2000 , 109, 171-7	1.9	27
50	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. <i>Chemistry and Biology</i> , 2015 , 22, 1301-12		26
49	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
48	Structural characterization of the N-linked glycans from Taenia solium metacestodes. <i>Molecular and Biochemical Parasitology</i> , 2003 , 126, 103-7	1.9	26
47	Glycomic analysis of human mast cells, eosinophils and basophils. <i>Glycobiology</i> , 2012 , 22, 12-22	5.8	25
46	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
45	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
44	Serum N-glycome biomarker for monitoring development of DENA-induced hepatocellular carcinoma in rat. <i>Molecular Cancer</i> , 2010 , 9, 215	42.1	23
43	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
42	Mass spectrometric characterisation of Taenia crassiceps metacestode N-glycans. <i>Molecular and Biochemical Parasitology</i> , 2005 , 143, 245-9	1.9	23
41	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. <i>Glycobiology</i> , 2021 , 31, 181-187	5.8	23

40	Protein glycosylation in <i>Parelaphostrongylus tenuis</i> --first description of the Galalpha1-3Gal sequence in a nematode. <i>Glycobiology</i> , 2006 , 16, 854-62	5.8	22
39	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
38	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
37	Evidence for Differential Glycosylation of Trophoblast Cell Types. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1857-66	7.6	20
36	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
35	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
34	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
33	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
32	Loss of GCNT2/I-branched glycans enhances melanoma growth and survival. <i>Nature Communications</i> , 2018 , 9, 3368	17.4	15
31	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
30	Polylectosaminoglycan 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
29	HEK293T cell lines defective for O-linked glycosylation. <i>PLoS ONE</i> , 2017 , 12, e0179949	3.7	14
28	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. <i>Frontiers in Immunology</i> , 2018 , 9, 2857	8.4	14
27	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
26	Serum IgA1 shows increased levels of 2,6-linked sialic acid in breast cancer. <i>Interface Focus</i> , 2019 , 9, 20180079	3.9	12
25	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
24	Characterization of the N-glycans of female <i>Angiostrongylus cantonensis</i> worms. <i>Experimental Parasitology</i> , 2016 , 166, 137-43	2.1	11
23	The human fetoembryonic defense system hypothesis: Twenty years on. <i>Molecular Aspects of Medicine</i> , 2016 , 51, 71-88	16.7	9

22	Unique, polyfucosylated glycan-receptor interactions are essential for regeneration of Hydra magnipapillata. <i>ACS Chemical Biology</i> , 2014 , 9, 147-55	4.9	9
21	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
20	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
19	Comparison of the baculovirus-insect cell and Pichia pastoris 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
18	Towards automation of glycomic profiling of complex biological materials. <i>Glycoconjugate Journal</i> , 2018 , 35, 311-321	3	7
17	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
16	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
15	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
14	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
13	Altered glycosylation of glycodelin in endometrial carcinoma. <i>Laboratory Investigation</i> , 2020 , 100, 1014-1025	5.9	4
12	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
11	Mouse and Human Glycomes 2010 , 263-327		4
10	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. <i>PLoS ONE</i> , 2020 , 15, e0228507	3.7	4
9	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
8	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog AcGalNTGc. <i>Cell Chemical Biology</i> , 2021 , 28, 699-710.e5	8.2	2
7	Glycoengineering Chinese hamster ovary cells: a short history. <i>Biochemical Society Transactions</i> , 2021 , 49, 915-931	5.1	2
6	Major differences in glycosylation and Fucosyltransferase expression in low-grade versus high-grade bladder cancer cell lines. <i>Glycobiology</i> , 2021 ,	5.8	2
5	Mass Spectrometric Analyses of Cell and Tissue Glycomes 2015 , 69-77		1

- 4 Efficient Inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc 1
- 3 Vulpeculin: a novel and abundant lipocalin in the urine of the common brushtail possum,. *Open Biology*, **2020**, 10, 200218 7 1
- 2 Mass Spectrometric Analyses of Cell and Tissue Glycomes **2014**, 1-9
- 1 Human erythrocyte surface fucose expression increases with age and hyperglycemia. *Wellcome Open Research*,6, 28 4.8