Stuart Haslam

List of Publications by Year
in descending order

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130 papers	7,570 citations	47 h-index	82 g-index
		47006	58581
139 all docs	139 docs citations	139 times ranked	9103 citing authors

#	Article	IF	Citations
1	Novel constructs and 1-step chromatography protocols for the production of Porcine Circovirus 2d (PCV2d) and Circovirus 3 (PCV3) subunit vaccine candidates. Food and Bioproducts Processing, 2022, 131, 125-135.	3.6	8
2	Rapid Antibody in CHO Cells Via RNA and CGE-LIF N-Glycomics. Methods in Molecular Biology, 2022, 2370, 147-167.	0.9	0
3	Strategies to control therapeutic antibody glycosylation during bioprocessing: Synthesis and separation. Biotechnology and Bioengineering, 2022, 119, 1343-1358.	3.3	11
4	The Tip of Brucella O-Polysaccharide Is a Potent Epitope in Response to Brucellosis Infection and Enables Short Synthetic Antigens to Be Superior Diagnostic Reagents. Microorganisms, 2022, 10, 708.	3.6	1
5	Measurement of erythrocyte membrane mannoses to assess splenic function. British Journal of Haematology, 2022, , .	2.5	3
6	Site-specific characterization of SARS-CoV-2 spike glycoprotein receptor-binding domain. Glycobiology, 2021, 31, 181-187.	2.5	40
7	Glycoengineering Chinese hamster ovary cells: a short history. Biochemical Society Transactions, 2021, 49, 915-931.	3.4	10
8	Red blood cell mannoses as phagocytic ligands mediating both sickle cell anaemia and malaria resistance. Nature Communications, 2021, 12, 1792.	12.8	16
9	Loss of Î±2-6 sialylation promotes the transformation of synovial fibroblasts into a pro-inflammatory phenotype in arthritis. Nature Communications, 2021, 12, 2343.	12.8	28
10	Modified recombinant human IgG1â€Fc is superior to natural intravenous immunoglobulin at inhibiting immuneâ€mediated demyelination. Immunology, 2021, 164, 90-105.	4.4	2
11	Efficient inhibition of O-glycan biosynthesis using the hexosamine analog Ac5GalNTGc. Cell Chemical Biology, 2021, 28, 699-710.e5.	5.2	11
12	Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses. Wellcome Open Research, 2021, 6, 134.	1.8	1
13	A mutation in SLC37A4 causes a dominantly inherited congenital disorder of glycosylation characterized by liver dysfunction. American Journal of Human Genetics, 2021, 108, 1040-1052.	6.2	7
14	Proteome-wide prediction of bacterial carbohydrate-binding proteins as a tool for understanding commensal and pathogen colonisation of the vaginal microbiome. Npj Biofilms and Microbiomes, 2021, 7, 49.	6.4	11
15	Major differences in glycosylation and fucosyltransferase expression in low-grade versus high-grade bladder cancer cell lines. Glycobiology, 2021, 31, 1444-1463.	2.5	8
16	Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. Nature Methods, 2021, 18, 1304-1316.	19.0	74
17	Glycan biomarkers for Alzheimer disease correlate with Tâ€tau and Pâ€tau in cerebrospinal fluid in subjective cognitive impairment. FEBS Journal, 2020, 287, 3221-3234.	4.7	36
18	Vulpeculin: a novel and abundant lipocalin in the urine of the common brushtail possum, Trichosurus vulpecula. Open Biology, 2020, 10, 200218.	3.6	2

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19	Glycosylation of Trypanosoma cruzi TcI antigen reveals recognition by chagasic sera. Scientific Reports, 2020, 10, 16395.	3.3	9
20	Analysis of N- and O-Linked Glycosylation: Differential Glycosylation after Rat Spinal Cord Injury. Journal of Neurotrauma, 2020, 37, 1954-1962.	3.4	10
21	The glycomic sialylation profile of GNE Myopathy muscle cells does not point to consistent hyposialylation of individual glycoconjugates. Neuromuscular Disorders, 2020, 30, 621-630.	0.6	11
22	Altered glycosylation of glycodelin in endometrial carcinoma. Laboratory Investigation, 2020, 100, 1014-1025.	3.7	16
23	Role of galectin-glycan circuits in reproduction: from healthy pregnancy to preterm birth (PTB). Seminars in Immunopathology, 2020, 42, 469-486.	6.1	11
24	Discovery of O-Linked Carbohydrate on HIV-1 Envelope and Its Role in Shielding against One Category of Broadly Neutralizing Antibodies. Cell Reports, 2020, 30, 1862-1869.e4.	6.4	25
25	Glycan characterization of pregnancy-specific glycoprotein 1 and its identification as a novel Galectin-1 ligand. Glycobiology, 2020, 30, 895-909.	2.5	21
26	Choice of Host Cell Line Is Essential for the Functional Glycosylation of the Fc Region of Human IgG1 Inhibitors of Influenza B Viruses. Journal of Immunology, 2020, 204, 1022-1034.	0.8	16
27	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. PLoS ONE, 2020, 15, e0228507.	2.5	13
28	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
29	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
30	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
31	Insights into the hyperglycosylation of human chorionic gonadotropin revealed by glycomics analysis. , 2020, 15, e0228507.		0
32	Insertion of N-Terminal Hinge Glycosylation Enhances Interactions of the Fc Region of Human IgG1 Monomers with Glycan-Dependent Receptors and Blocks Hemagglutination by the Influenza Virus. Journal of Immunology, 2019, 202, 1595-1611.	0.8	7
33	Site-specific glycoproteomic characterization of ES-62: The major secreted product of the parasitic worm Acanthocheilonema viteae. Glycobiology, 2019, 29, 562-571.	2.5	13
34	Serum IgA1 shows increased levels ofÎ±2,6-linked sialic acid in breast cancer. Interface Focus, 2019, 9, 20180079.	3.0	18
35	East-Asian Helicobacter pylori strains synthesize heptan-deficient lipopolysaccharide. PLoS Genetics, 2019, 15, e1008497.	3.5	21
36	Host and viral determinants of influenza A virus species specificity. Nature Reviews Microbiology, 2019, 17, 67-81.	28.6	390

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37	Human B Cell Differentiation Is Characterized by Progressive Remodeling of O-Linked Glycans. Frontiers in Immunology, 2018, 9, 2857.	4.8	37
38	XBP1s activation can globally remodel N-glycan structure distribution patterns. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10089-E10098.	7.1	41
39	The mucinous domain of pancreatic carboxyl-ester lipase (CEL) contains core 1/core 2 O-glycans that can be modified by ABO blood group determinants. Journal of Biological Chemistry, 2018, 293, 19476-19491.	3.4	14
40	Thioglycosides Are Efficient Metabolic Decoys of Glycosylation that Reduce Selectin Dependent Leukocyte Adhesion. Cell Chemical Biology, 2018, 25, 1519-1532.e5.	5.2	27
41	The singular Corynebacterium glutamicum Emb arabinofuranosyltransferase polymerises the Î±(1â€²â†’â€²5) arabinan backbone in the early stages of cell wall arabinan biosynthesis. Cell Surface, 2018, 2, 38-53.	3.0	8
42	Galectin-9 suppresses B cell receptor signaling and is regulated by I-branching of N-glycans. Nature Communications, 2018, 9, 3287.	12.8	99
43	Loss of GCNT2/I-branched glycans enhances melanoma growth and survival. Nature Communications, 2018, 9, 3368.	12.8	40
44	Photoactivable Glycolipid Antigens Generate Stable Conjugates with CD1d for Invariant Natural Killer T Cell Activation. Bioconjugate Chemistry, 2018, 29, 3161-3173.	3.6	14
45	Towards automation of glycomic profiling of complex biological materials. Glycoconjugate Journal, 2018, 35, 311-321.	2.7	9
46	The minimum information required for a glycomics experiment (MIRAGE) project: improving the standards for reporting glycan microarray-based data. Glycobiology, 2017, 27, 280-284.	2.5	69
47	Partial correction of neutrophil dysfunction by oral galactose therapy in glycogen storage disease type Ib. International Immunopharmacology, 2017, 44, 216-225.	3.8	8
48	Characterization of H type 1 and type 1 N-acetyllactosamine glycan epitopes on ovarian cancer specifically recognized by the anti-glycan monoclonal antibody mAb-A4. Journal of Biological Chemistry, 2017, 292, 6163-6176.	3.4	17
49	Effects of altered sialic acid biosynthesis on N-linked glycan branching and cell surface interactions. Journal of Biological Chemistry, 2017, 292, 9637-9651.	3.4	19
50	Human Immunodeficiency Virus and Simian Immunodeficiency Virus Maintain High Levels of Infectivity in the Complete Absence of Mucin-Type O-Glycosylation. Journal of Virology, 2017, 91, .	3.4	5
51	The redefinition of Helicobacter pylori lipopolysaccharide O-antigen and core-oligosaccharide domains. PLoS Pathogens, 2017, 13, e1006280.	4.7	33
52	HEK293T cell lines defective for O-linked glycosylation. PLoS ONE, 2017, 12, e0179949.	2.5	21
53	Insights from the redefinition of Helicobacter pylori lipopolysaccharide O-antigen and core-oligosaccharide domains. Microbial Cell, 2017, 4, 175-178.	3.2	7
54	Exteriorisation of Mannoses on Human Erythrocyte Membrane Skeleton Provides 'Eat Me' Signals for Oxidatively Damaged Cells to be Cleared By Macrophages: A Pathway Mediating Hemolysis in Sickle Cell Disease. Blood, 2017, 130, 919-919.	1.4	1

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55	Characterization of the N-glycans of female Angiostrongylus cantonensis worms. Experimental Parasitology, 2016, 166, 137-143.	1.2	12
56	Evidence for Differential Glycosylation of Trophoblast Cell Types. Molecular and Cellular Proteomics, 2016, 15, 1857-1866.	3.8	32
57	The minimum information required for a glycomics experiment (MIRAGE) project: sample preparation guidelines for reliable reporting of glycomics datasets. Glycobiology, 2016, 26, 907-910.	2.5	62
58	The human fetoembryonic defense system hypothesis: Twenty years on. Molecular Aspects of Medicine, 2016, 51, 71-88.	6.4	17
59	Engineering and Dissecting the Glycosylation Pathway of a Streptococcal Serine-rich Repeat Adhesin. Journal of Biological Chemistry, 2016, 291, 27354-27363.	3.4	31
60	New Helical Binding Domain Mediates a Glycosyltransferase Activity of a Bifunctional Protein. Journal of Biological Chemistry, 2016, 291, 22106-22117.	3.4	19
61	Mapping the complete glycoproteome of virion-derived HIV-1 gp120 provides insights into broadly neutralizing antibody binding. Scientific Reports, 2016, 6, 32956.	3.3	71
62	Bovine Herpesvirus 4 Modulates Its Î²-1,6- N -Acetylglucosaminyltransferase Activity through Alternative Splicing. Journal of Virology, 2016, 90, 2039-2051.	3.4	0
63	Glycosphingolipids on Human Myeloid Cells Stabilize E-Selectinâ€“Dependent Rolling in the Multistep Leukocyte Adhesion Cascade. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 718-727.	2.4	32
64	Glycoproteomic studies of IgE from a novel hyper IgE syndrome linked to PGM3 mutation. Glycoconjugate Journal, 2016, 33, 447-456.	2.7	32
65	Cellular O-Glycome Reporter/Amplification to explore O-glycans of living cells. Nature Methods, 2016, 13, 81-86.	19.0	81
66	GlyTouCan 1.0 â€“ The international glycan structure repository. Nucleic Acids Research, 2016, 44, D1237-D1242.	14.5	83
67	The zebrafish galectins Drgal1-L2 and Drgal3-L1 bind inÂvitro to the infectious hematopoietic necrosis virus (IHNV) glycoprotein and reduce viral adhesion to fish epithelial cells. Developmental and Comparative Immunology, 2016, 55, 241-252.	2.3	47
68	Golgi self-correction generates bioequivalent glycans to preserve cellular homeostasis. ELife, 2016, 5, .	6.0	67
69	ST3Gal-4 is the primary sialyltransferase regulating the synthesis of E-, P-, and L-selectin ligands on human myeloid leukocytes. Blood, 2015, 125, 687-696.	1.4	70
70	Global N-linked Glycosylation is Not Significantly Impaired in Myoblasts in Congenital Myasthenic Syndromes Caused by Defective Glutamine-Fructose-6-Phosphate Transaminase 1 (GFPT1). Biomolecules, 2015, 5, 2758-2781.	4.0	13
71	MKAN27435 Is Required for the Biosynthesis of Higher Subclasses of Lipooligosaccharides in Mycobacterium kansasii. PLoS ONE, 2015, 10, e0122804.	2.5	10
72	Gp120 on HIV-1 Virions Lacks O-Linked Carbohydrate. PLoS ONE, 2015, 10, e0124784.	2.5	25

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73	The Cytotoxicity of Elderberry Ribosome-Inactivating Proteins Is Not Solely Determined by Their Protein Translation Inhibition Activity. PLoS ONE, 2015, 10, e0132389.	2.5	9
74	Developing the IVIG biomimetic, Hexa-Fc, for drug and vaccine applications. Scientific Reports, 2015, 5, 9526.	3.3	33
75	Enhanced Aromatic Sequons Increase Oligosaccharyltransferase Glycosylation Efficiency and Glycan Homogeneity. Chemistry and Biology, 2015, 22, 1052-1062.	6.0	36
76	XBP1s Links the Unfolded Protein Response to the Molecular Architecture of Mature N-Glycans. Chemistry and Biology, 2015, 22, 1301-1312.	6.0	35
77	Mass Spectrometric Analyses of Cell and Tissue Glycomes. , 2015, , 69-77.		1
78	The highly conserved domain of unknown function 1792 has a distinct glycosyltransferase fold. Nature Communications, 2014, 5, 4339.	12.8	61
79	Systemic Blockade of Sialylation in Mice with a Global Inhibitor of Sialyltransferases. Journal of Biological Chemistry, 2014, 289, 35149-35158.	3.4	85
80	Towards Controlling the Glycoform: A Model Framework Linking Extracellular Metabolites to Antibody Glycosylation. International Journal of Molecular Sciences, 2014, 15, 4492-4522.	4.1	73
81	Glycomic Characterization of Respiratory Tract Tissues of Ferrets. Journal of Biological Chemistry, 2014, 289, 28489-28504.	3.4	82
82	Toolboxes for a standardised and systematic study of glycans. BMC Bioinformatics, 2014, 15, S9.	2.6	58
83	JAGN1 deficiency causes aberrant myeloid cell homeostasis and congenital neutropenia. Nature Genetics, 2014, 46, 1021-1027.	21.4	119
84	Unique, Polyfucosylated Glycanâ€“Receptor Interactions Are Essential for Regeneration of Hydra magnipapillata. ACS Chemical Biology, 2014, 9, 147-155.	3.4	13
85	Methylated glycans as conserved targets of animal and fungal innate defense. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2787-96.	7.1	74
86	Hypomorphic homozygous mutations in phosphoglucomutase 3 (PGM3) impair immunity and increase serum IgE levels. Journal of Allergy and Clinical Immunology, 2014, 133, 1410-1419.e13.	2.9	160
87	Mass Spectrometric Analyses of Cell and Tissue Glycomes. , 2014, , 1-9.		0
88	The use of surface immobilization of P-selectin glycoprotein ligand-1 on mesenchymal stem cells to facilitate selectin mediated cell tethering and rolling. Biomaterials, 2013, 34, 8213-8222.	11.4	45
89	Synthesis of Biologically Active N- and O-Linked Glycans with Multisialylated Poly-N-acetyllactosamine Extensions Using P. damsela Î±2-6 Sialyltransferase. Journal of the American Chemical Society, 2013, 135, 18280-18283.	13.7	55
90	Glycomic Analysis of Human Respiratory Tract Tissues and Correlation with Influenza Virus Infection. PLoS Pathogens, 2013, 9, e1003223.	4.7	209

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91	Polylactosaminoglycan Glycomics: Enhancing the Detection of High-molecular-weight N-glycans in Matrix-assisted Laser Desorption Ionization Time-of-flight Profiles by Matched Filtering. Molecular and Cellular Proteomics, 2013, 12, 996-1004.	3.8	15
92	The Minimum Information Required for a Glycomics Experiment (MIRAGE) Project: Improving the Standards for Reporting Mass-spectrometry-based Glycoanalytic Data. Molecular and Cellular Proteomics, 2013, 12, 991-995.	3.8	109
93	Competition between Core-2 GlcNAc-transferase and ST6GalNAc-transferase Regulates the Synthesis of the Leukocyte Selectin Ligand on Human P-selectin Glycoprotein Ligand-1. Journal of Biological Chemistry, 2013, 288, 13974-13987.	3.4	44
94	Glycoproteomic characterization of recombinant mouse Î±-dystroglycan. Glycobiology, 2012, 22, 662-675.	2.5	52
95	Glycomic analysis of human mast cells, eosinophils and basophils. Glycobiology, 2012, 22, 12-22.	2.5	27
96	The GlycanBuilder and GlycoWorkbench glycoinformatics tools: updates and new developments. Biological Chemistry, 2012, 393, 1357-1362.	2.5	147
97	Loss of Effector Function of Human Cytolytic T Lymphocytes Is Accompanied by Major Alterations in N- and O-Glycosylation. Journal of Biological Chemistry, 2012, 287, 11240-11251.	3.4	38
98	Human Sperm Binding Is Mediated by the Sialyl-Lewis ^x Oligosaccharide on the Zona Pellucida. Science, 2011, 333, 1761-1764.	12.6	278
99	G6PC3 mutations are associated with a major defect of glycosylation: a novel mechanism for neutrophil dysfunction. Glycobiology, 2011, 21, 914-924.	2.5	78
100	EUROCarbDB: An open-access platform for glycoinformatics. Glycobiology, 2011, 21, 493-502.	2.5	116
101	Identification of Neutrophil Granule Glycoproteins as Lewisx-containing Ligands Cleared by the Scavenger Receptor C-type Lectin. Journal of Biological Chemistry, 2011, 286, 24336-24349.	3.4	35
102	Glycosylation of mouse and human immune cells: insights emerging from N-glycomics analyses. Biochemical Society Transactions, 2011, 39, 1334-1340.	3.4	46
103	Mouse and Human Glycomes. , 2010, , 263-327.		4
104	Comparison of Methods for Profiling O-Glycosylation. Molecular and Cellular Proteomics, 2010, 9, 719-727.	3.8	136
105	Mass Spectrometric Analysis of Mutant Mice. Methods in Enzymology, 2010, 478, 27-77.	1.0	50
106	Glycomics Profiling of Chinese Hamster Ovary Cell Glycosylation Mutants Reveals N-Glycans of a Novel Size and Complexity. Journal of Biological Chemistry, 2010, 285, 5759-5775.	3.4	188
107	Glycan Analysis and Influenza A Virus Infection of Primary Swine Respiratory Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 34016-34026.	3.4	96
108	Glycosyltransferase Function in Core 2-Type Protein O Glycosylation. Molecular and Cellular Biology, 2009, 29, 3770-3782.	2.3	100

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109	Glycan family analysis for deducing N-glycan topology from single MS. Bioinformatics, 2009, 25, 365-371.	4.1	145
110	Mass spectrometry in the analysis of N-linked and O-linked glycans. Current Opinion in Structural Biology, 2009, 19, 498-506.	5.7	212
111	Structural characterisation of neutrophil glycans by ultra sensitive mass spectrometric glycomics methodology. Glycoconjugate Journal, 2009, 26, 975-986.	2.7	68
112	Characterizing the glycome of the mammalian immune system. Immunology and Cell Biology, 2008, 86, 564-573.	2.3	57
113	GlycoWorkbench: A Tool for the Computer-Assisted Annotation of Mass Spectra of Glycans. Journal of Proteome Research, 2008, 7, 1650-1659.	3.7	917
114	Software Tool for the Structural Determination of Glycosaminoglycans by Mass Spectrometry. Analytical Chemistry, 2008, 80, 9204-9212.	6.5	33
115	Dendritic Cell Maturation Results in Pronounced Changes in Glycan Expression Affecting Recognition by Siglecs and Galectins. Journal of Immunology, 2007, 179, 8216-8224.	0.8	117
116	Integrated mass spectrometric strategy for characterizing the glycans from glycosphingolipids and glycoproteins: direct identification of sialyl Lex in mice. Glycobiology, 2007, 17, 646-654.	2.5	45
117	Towards GAG glycomics: Analysis of highly sulfated heparins by MALDI-TOF massÂspectrometry. Glycobiology, 2007, 17, 972-982.	2.5	62
118	Glycomic Profiling of Cells and Tissues by Mass Spectrometry: Fingerprinting and Sequencing Methodologies. Methods in Enzymology, 2006, 415, 59-86.	1.0	144
119	Glycomic studies of Drosophila melanogaster embryos. Glycoconjugate Journal, 2006, 23, 345-354.	2.7	52
120	Mass spectrometric analysis of N- and O-glycosylation of tissues and cells. Current Opinion in Structural Biology, 2006, 16, 584-591.	5.7	106
121	Novel Poly-GalNAcÎ²1â€“4GlcNAc (LacdiNAc) and Fucosylated Poly-LacdiNAc N-Glycans from Mammalian Cells Expressing Î²1,4-N-Acetylgalactosaminyltransferase and Î±1,3-Fucosyltransferase. Journal of Biological Chemistry, 2005, 280, 12810-12819.	3.4	57
122	Glycolipids as Receptors for Bacillus thuringiensis Crystal Toxin. Science, 2005, 307, 922-925.	12.6	316
123	MS strategies for high throughput glycomics and glyco-proteomics. International Journal of Experimental Pathology, 2004, 85, A51-A51.	1.3	1
124	Structural characterization of the N-linked glycans from Taenia solium metacestodes. Molecular and Biochemical Parasitology, 2003, 126, 103-107.	1.1	26
125	Hallmarks of Caenorhabditis elegans N-glycosylation: complexity and controversy. Biochimie, 2003, 85, 25-32.	2.6	69
126	The glycomes of Caenorhabditis elegans and other model organisms. Biochemical Society Symposia, 2002, 69, 117-134.	2.7	63

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127	The glycomes of Caenorhabditis elegans and other model organisms. Biochemical Society Symposia, 2002, , 117-34.	2.7	24
128	Characterisation of the phosphorylcholine-containing N-linked oligosaccharides in the excretory-secretory 62 kDa glycoprotein of Acanthocheilonema viteae. Molecular and Biochemical Parasitology, 1997, 85, 53-66.	1.1	95
129	Isolation and identification of novel sulfated and nonsulfated oligosialyl glycosphingolipids from sea urchin sperm. Glycoconjugate Journal, 1996, 13, 401-413.	2.7	68
130	Haemonchus contortus Glycoproteins Contain N-Linked Oligosaccharides with Novel Highly Fucosylated Core Structures. Journal of Biological Chemistry, 1996, 271, 30561-30570.	3.4	141