

Michael Anthony J Ferguson

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#	Paper	IF	Citations
293	Cell-surface anchoring of proteins via glycosyl-phosphatidylinositol structures. <i>Annual Review of Biochemistry</i> , 1988 , 57, 285-320	29.1	1162
292	The structure, biosynthesis and function of glycosylated phosphatidylinositols in the parasitic protozoa and higher eukaryotes. <i>Biochemical Journal</i> , 1993 , 294 (Pt 2), 305-24	3.8	824
291	Glycosyl-phosphatidylinositol moiety that anchors <i>Trypanosoma brucei</i> variant surface glycoprotein to the membrane. <i>Science</i> , 1988 , 239, 753-9	33.3	668
290	Complete structure of the glycosyl phosphatidylinositol membrane anchor of rat brain Thy-1 glycoprotein. <i>Nature</i> , 1988 , 333, 269-72	50.4	412
289	Covalently attached phosphatidylinositol as a hydrophobic anchor for membrane proteins. <i>Trends in Biochemical Sciences</i> , 1986 , 11, 212-215	10.3	240
288	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. <i>Nature Reviews Microbiology</i> , 2017 , 15, 217-231	22.2	225
287	Hydrophilic-interaction chromatography of complex carbohydrates. <i>Journal of Chromatography A</i> , 1994 , 676, 191-22	4.5	214
286	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. <i>Nature</i> , 2010 , 464, 728-32	50.4	213
285	Primary structure of CD52. <i>Journal of Biological Chemistry</i> , 1995 , 270, 6088-99	5.4	211
284	Transmission of cutaneous leishmaniasis by sand flies is enhanced by regurgitation of fPPG. <i>Nature</i> , 2004 , 430, 463-7	50.4	205
283	Highly purified glycosylphosphatidylinositols from <i>Trypanosoma cruzi</i> are potent proinflammatory agents. <i>EMBO Journal</i> , 2000 , 19, 1476-85	13	199
282	Structure of the CAMPATH-1 antigen, a glycosylphosphatidylinositol-anchored glycoprotein which is an exceptionally good target for complement lysis. <i>Biochemical Journal</i> , 1993 , 293 (Pt 3), 633-40	3.8	186
281	Outer chain N-glycans are required for cell wall integrity and virulence of <i>Candida albicans</i> . <i>Journal of Biological Chemistry</i> , 2006 , 281, 90-8	5.4	182
280	Mucin-like glycoproteins linked to the membrane by glycosylphosphatidylinositol anchor are the major acceptors of sialic acid in a reaction catalyzed by trans-sialidase in metacyclic forms of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 1993 , 59, 293-303	1.9	182
279	Hypomorphic promoter mutation in PIGM causes inherited glycosylphosphatidylinositol deficiency. <i>Nature Medicine</i> , 2006 , 12, 846-51	50.5	164
278	The lipid structure of the glycosylphosphatidylinositol-anchored mucin-like sialic acid acceptors of <i>Trypanosoma cruzi</i> changes during parasite differentiation from epimastigotes to infective metacyclic trypomastigote forms. <i>Journal of Biological Chemistry</i> , 1995 , 270, 27244-53	5.4	158
277	Mnt1p and Mnt2p of <i>Candida albicans</i> are partially redundant alpha-1,2-mannosyltransferases that participate in O-linked mannosylation and are required for adhesion and virulence. <i>Journal of Biological Chemistry</i> , 2005 , 280, 1051-60	5.4	149

276	Regulation of the expression of nitric oxide synthase and leishmanicidal activity by glycoconjugates of Leishmania lipophosphoglycan in murine macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 10984-9	11.5	149
275	Global quantitative SILAC phosphoproteomics reveals differential phosphorylation is widespread between the procyclic and bloodstream form lifecycle stages of Trypanosoma brucei. <i>Journal of Proteome Research</i> , 2013 , 12, 2233-44	5.6	139
274	The glycosylation of the complement regulatory protein, human erythrocyte CD59. <i>Journal of Biological Chemistry</i> , 1997 , 272, 7229-44	5.4	132
273	The phosphoproteome of bloodstream form Trypanosoma brucei, causative agent of African sleeping sickness. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 1527-38	7.6	129
272	Characterization of the cross-reacting determinant (CRD) of the glycosyl-phosphatidylinositol membrane anchor of Trypanosoma brucei variant surface glycoprotein. <i>FEBS Journal</i> , 1988 , 176, 527-34		129
271	Structural characterisation of two forms of procyclic acidic repetitive protein expressed by procyclic forms of Trypanosoma brucei. <i>Journal of Molecular Biology</i> , 1997 , 269, 529-47	6.5	127
270	Colworth Medal Lecture. Glycosyl-phosphatidylinositol membrane anchors: the tale of a tail. <i>Biochemical Society Transactions</i> , 1992 , 20, 243-56	5.1	124
269	Comparative SILAC proteomic analysis of Trypanosoma brucei bloodstream and procyclic lifecycle stages. <i>PLoS ONE</i> , 2012 , 7, e36619	3.7	122
268	The GPI biosynthetic pathway as a therapeutic target for African sleeping sickness. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1999 , 1455, 327-40	6.9	118
267	Sugar nucleotide pools of Trypanosoma brucei, Trypanosoma cruzi, and Leishmania major. <i>Eukaryotic Cell</i> , 2007 , 6, 1450-63		109
266	A simple purification of procyclic acidic repetitive protein and demonstration of a sialylated glycosyl-phosphatidylinositol membrane anchor. <i>Biochemical Journal</i> , 1993 , 291 (Pt 1), 51-5	3.8	108
265	Requirement of mitogen-activated protein kinases and I kappa B phosphorylation for induction of proinflammatory cytokines synthesis by macrophages indicates functional similarity of receptors triggered by glycosylphosphatidylinositol anchors from parasitic protozoa and bacterial lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2004 , 279, 21623-31	5.3	104
264	Structures of the glycosyl-phosphatidylinositol anchors of porcine and human renal membrane dipeptidase. Comprehensive structural studies on the porcine anchor and interspecies comparison of the glycan core structures. <i>Journal of Biological Chemistry</i> , 1995 , 270, 22946-56	5.4	102
263	The surface glycoconjugates of trypanosomatid parasites. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 1295-302	5.8	94
262	Galactose metabolism is essential for the African sleeping sickness parasite Trypanosoma brucei. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5884-9	11.5	93
261	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode Globodera rostochiensis. <i>Molecular and Biochemical Parasitology</i> , 2000 , 111, 41-9	1.9	93
260	Lipid anchors on membrane proteins. <i>Current Opinion in Structural Biology</i> , 1991 , 1, 522-529	8.1	91
259	Discovery of a novel class of orally active trypanocidal N-myristoyltransferase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 140-52	8.3	88

258	Distinct donor and acceptor specificities of <i>Trypanosoma brucei</i> oligosaccharyltransferases. <i>EMBO Journal</i> , 2009 , 28, 2650-61	13	87
257	Ether phospholipids and glycosylinositolphospholipids are not required for amastigote virulence or for inhibition of macrophage activation by <i>Leishmania major</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 44708-18	5.4	87
256	The glycosylation of the variant surface glycoproteins and procyclic acidic repetitive proteins of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1998 , 91, 145-52	1.9	86
255	Cysteine eliminates the feeder cell requirement for cultivation of <i>Trypanosoma brucei</i> bloodstream forms in vitro. <i>Journal of Experimental Medicine</i> , 1985 , 162, 1256-63	16.6	86
254	Cell surface antigens of <i>Trypanosoma cruzi</i> : use of monoclonal antibodies to identify and isolate an epimastigote specific glycoprotein. <i>Molecular and Biochemical Parasitology</i> , 1981 , 3, 343-56	1.9	85
253	Sphingolipid-free <i>Leishmania</i> are defective in membrane trafficking, differentiation and infectivity. <i>Molecular Microbiology</i> , 2004 , 52, 313-27	4.1	80
252	Solution structure of the glycosylphosphatidylinositol membrane anchor glycan of <i>Trypanosoma brucei</i> variant surface glycoprotein. <i>Biochemistry</i> , 1989 , 28, 2881-7	3.2	79
251	Regulation of macrophage IL-12 synthesis by <i>Leishmania</i> phosphoglycans. <i>European Journal of Immunology</i> , 1999 , 29, 235-44	6.1	77
250	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. <i>Nature</i> , 2018 , 560, 192-197	50.4	73
249	Recombinant human PPAR-beta/delta ligand-binding domain is locked in an activated conformation by endogenous fatty acids. <i>Journal of Molecular Biology</i> , 2006 , 356, 1005-13	6.5	73
248	High-confidence glycosome proteome for procyclic form <i>Trypanosoma brucei</i> by epitope-tag organelle enrichment and SILAC proteomics. <i>Journal of Proteome Research</i> , 2014 , 13, 2796-806	5.6	72
247	Surface sialic acids taken from the host allow trypanosome survival in tsetse fly vectors. <i>Journal of Experimental Medicine</i> , 2004 , 199, 1445-50	16.6	72
246	Structure of the glycosylphosphatidylinositol membrane anchor glycan of a class-2 variant surface glycoprotein from <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1998 , 277, 379-92	6.5	68
245	Chemical validation of GPI biosynthesis as a drug target against African sleeping sickness. <i>EMBO Journal</i> , 2004 , 23, 4701-8	13	67
244	The surface coat of the mammal-dwelling infective trypomastigote stage of <i>Trypanosoma cruzi</i> is formed by highly diverse immunogenic mucins. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15860-9	5.4	66
243	Intracellular transport of a variant surface glycoprotein in <i>Trypanosoma brucei</i> . <i>Journal of Cell Biology</i> , 1988 , 106, 77-86	7.3	66
242	Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 9318-9323	11.5	65
241	<i>Trypanosoma brucei</i> glycoproteins contain novel giant poly-N-acetyllactosamine carbohydrate chains. <i>Journal of Biological Chemistry</i> , 2005 , 280, 865-71	5.4	65

240	What can GPI do for you?. <i>Parasitology Today</i> , 1994 , 10, 48-52		65
239	Parasite and mammalian GPI biosynthetic pathways can be distinguished using synthetic substrate analogues. <i>EMBO Journal</i> , 1997 , 16, 6667-75	13	64
238	Macrophage signaling by glycosylphosphatidylinositol-anchored mucin-like glycoproteins derived from <i>Trypanosoma cruzi</i> trypomastigotes. <i>Microbes and Infection</i> , 2002 , 4, 1015-25	9.3	64
237	Cloning of <i>Trypanosoma brucei</i> and <i>Leishmania major</i> genes encoding the GlcNAc-phosphatidylinositol de-N-acetylase of glycosylphosphatidylinositol biosynthesis that is essential to the African sleeping sickness parasite. <i>Journal of Biological Chemistry</i> , 2002 , 277, 50176-82	5.4	63
236	Structure of the glycosylphosphatidylinositol membrane anchor of human placental alkaline phosphatase. <i>Biochemical Journal</i> , 1994 , 302 (Pt 3), 861-5	3.8	63
235	N-glycan microheterogeneity regulates interactions of plasma proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8763-8768	11.5	62
234	GPI-anchored proteins and free GPI glycolipids of procyclic form <i>Trypanosoma brucei</i> are nonessential for growth, are required for colonization of the tsetse fly, and are not the only components of the surface coat. <i>Molecular Biology of the Cell</i> , 2006 , 17, 5265-74	3.5	62
233	The suppression of galactose metabolism in procyclic form <i>Trypanosoma brucei</i> causes cessation of cell growth and alters procyclin glycoprotein structure and copy number. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19728-36	5.4	62
232	A multidimensional strategy to detect polypharmacological targets in the absence of structural and sequence homology. <i>PLoS Computational Biology</i> , 2010 , 6, e1000648	5	61
231	Structures of the glycosylphosphatidylinositol membrane anchors from <i>Aspergillus fumigatus</i> membrane proteins. <i>Glycobiology</i> , 2003 , 13, 169-77	5.8	61
230	Deletion of the glucosidase II gene in <i>Trypanosoma brucei</i> reveals novel N-glycosylation mechanisms in the biosynthesis of variant surface glycoprotein. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35929-42	5.4	61
229	Glycosylphosphatidylinositol biosynthesis validated as a drug target for African sleeping sickness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 10673-5	11.5	57
228	Selective inhibitors of the glycosylphosphatidylinositol biosynthetic pathway of <i>Trypanosoma brucei</i> . <i>EMBO Journal</i> , 1999 , 18, 5922-30	13	57
227	Site of palmitoylation of a phospholipase C-resistant glycosylphosphatidylinositol membrane anchor. <i>Biochemical Journal</i> , 1992 , 284 (Pt 2), 297-300	3.8	56
226	Characterisation of the asparagine-linked oligosaccharides from <i>Trypanosoma brucei</i> type-I variant surface glycoproteins. <i>FEBS Journal</i> , 1990 , 187, 657-63		56
225	Glycosyl-phosphatidylinositol molecules of the parasite and the host. <i>Parasitology</i> , 1994 , 108 Suppl, S45-54		55
224	Deletion of the TbALG3 gene demonstrates site-specific N-glycosylation and N-glycan processing in <i>Trypanosoma brucei</i> . <i>Glycobiology</i> , 2008 , 18, 367-83	5.8	54
223	Reevaluation of the PPAR-beta/delta ligand binding domain model reveals why it exhibits the activated form. <i>Molecular Cell</i> , 2006 , 21, 1-2	17.6	50

222	Specificity of GlcNAc-PI de-N-acetylase of GPI biosynthesis and synthesis of parasite-specific suicide substrate inhibitors. <i>EMBO Journal</i> , 2001 , 20, 3322-32	13	50
221	The chemical synthesis of bioactive glycosylphosphatidylinositols from <i>Trypanosoma cruzi</i> containing an unsaturated fatty acid in the lipid. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 468-74	16.4	49
220	High-resolution crystal structure of <i>Trypanosoma brucei</i> UDP-galactose 4Epimerase: a potential target for structure-based development of novel trypanocides. <i>Molecular and Biochemical Parasitology</i> , 2003 , 126, 173-80	1.9	49
219	Binding site differences revealed by crystal structures of <i>Plasmodium falciparum</i> and bovine acyl-CoA binding protein. <i>Journal of Molecular Biology</i> , 2001 , 309, 181-92	6.5	49
218	Synthetic glycovaccine protects against the bite of leishmania-infected sand flies. <i>Journal of Infectious Diseases</i> , 2006 , 194, 512-8	7	48
217	The glycoforms of a <i>Trypanosoma brucei</i> variant surface glycoprotein and molecular modeling of a glycosylated surface coat. <i>Glycobiology</i> , 2002 , 12, 607-12	5.8	48
216	The procyclin repertoire of <i>Trypanosoma brucei</i> . Identification and structural characterization of the Glu-Pro-rich polypeptides. <i>Journal of Biological Chemistry</i> , 1999 , 274, 29763-71	5.4	48
215	Post-translational modifications of the <i>Dictyostelium discoideum</i> glycoprotein PsA. Glycosylphosphatidylinositol membrane anchor and composition of O-linked oligosaccharides. <i>FEBS Journal</i> , 1993 , 216, 729-37		48
214	Chemical proteomic analysis reveals the drugability of the kinome of <i>Trypanosoma brucei</i> . <i>ACS Chemical Biology</i> , 2012 , 7, 1858-65	4.9	47
213	The synthesis of UDP-N-acetylglucosamine is essential for bloodstream form <i>trypanosoma brucei</i> in vitro and in vivo and UDP-N-acetylglucosamine starvation reveals a hierarchy in parasite protein glycosylation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16147-61	5.4	46
212	Differential inhibitory mechanism of cyclic AMP on TNF-alpha and IL-12 synthesis by macrophages exposed to microbial stimuli. <i>British Journal of Pharmacology</i> , 1999 , 127, 1195-205	8.6	46
211	Substrate specificity of the dolichol phosphate mannose: glucosaminyl phosphatidylinositol alpha1-4-mannosyltransferase of the glycosylphosphatidylinositol biosynthetic pathway of African trypanosomes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 6476-82	5.4	46
210	Microscale analysis of glycosylphosphatidylinositol structures. <i>Methods in Enzymology</i> , 1995 , 250, 614-30	1.7	46
209	Global Membrane Protein Interactome Analysis using In vivo Crosslinking and Mass Spectrometry-based Protein Correlation Profiling. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2476-90	7.6	46
208	Computer-aided identification of <i>Trypanosoma brucei</i> uridine diphosphate galactose 4Epimerase inhibitors: toward the development of novel therapies for African sleeping sickness. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 5025-32	8.3	45
207	The suppression of galactose metabolism in <i>Trypanosoma cruzi</i> epimastigotes causes changes in cell surface molecular architecture and cell morphology. <i>Molecular and Biochemical Parasitology</i> , 2006 , 147, 126-36	1.9	45
206	Characterization of glycoinositol phospholipids in the amastigote stage of the protozoan parasite <i>Leishmania major</i> . <i>Biochemical Journal</i> , 1993 , 295 (Pt 2), 555-64	3.8	45
205	Myristoyl-CoA:protein N-myristoyltransferase depletion in trypanosomes causes avirulence and endocytic defects. <i>Molecular and Biochemical Parasitology</i> , 2010 , 169, 55-8	1.9	44

204	Substrate specificity of the N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase of glycosylphosphatidylinositol membrane anchor biosynthesis in African trypanosomes and human cells. <i>Biochemical Journal</i> , 1997 , 328 (Pt 1), 171-7	3.8	44
203	Phosphatidylethanolamine in <i>Trypanosoma brucei</i> is organized in two separate pools and is synthesized exclusively by the Kennedy pathway. <i>Journal of Biological Chemistry</i> , 2008 , 283, 23636-44	5.4	44
202	Studies on the structure of a phosphoglycoprotein from the parasitic protozoan <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 1983 , 213, 313-9	3.8	44
201	Structural characterization of novel oligosaccharides of cell-surface glycoproteins of <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , 1996 , 6, 869-78	5.8	43
200	Lead optimization of a pyrazole sulfonamide series of <i>Trypanosoma brucei</i> N-myristoyltransferase inhibitors: identification and evaluation of CNS penetrant compounds as potential treatments for stage 2 human African trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9855-69	8.3	42
199	Characterization of the lipid moiety of the glycosylphosphatidylinositol anchor of <i>Trypanosoma cruzi</i> 1G7-antigen. <i>Molecular and Biochemical Parasitology</i> , 1995 , 70, 71-84	1.9	42
198	Structure of the N-linked oligosaccharide of the main diagnostic antigen of the pathogenic fungus <i>Paracoccidioides brasiliensis</i> . <i>Glycobiology</i> , 1996 , 6, 507-15	5.8	42
197	Identification of phosphorylated 3-deoxy-manno-octulosonic acid as a component of <i>Haemophilus influenzae</i> lipopolysaccharide. <i>Biochemical Journal</i> , 1987 , 245, 583-7	3.8	42
196	Structural characterization of NETNES, a novel glycoconjugate in <i>Trypanosoma cruzi</i> epimastigotes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12201-11	5.4	41
195	<i>Trypanosoma brucei</i> UDP-glucose:glycoprotein glucosyltransferase has unusual substrate specificity and protects the parasite from stress. <i>Eukaryotic Cell</i> , 2009 , 8, 230-40		40
194	Galactose starvation in a bloodstream form <i>Trypanosoma brucei</i> UDP-glucose 4Epiimerase conditional null mutant. <i>Eukaryotic Cell</i> , 2006 , 5, 1906-13		40
193	Inhibition of the GlcNAc transferase of the glycosylphosphatidylinositol anchor biosynthesis in African trypanosomes. <i>FEBS Journal</i> , 1992 , 208, 309-14		40
192	Early steps in glycosylphosphatidylinositol biosynthesis in <i>Leishmania major</i> . <i>Biochemical Journal</i> , 1997 , 326 (Pt 2), 393-400	3.8	39
191	The N-acetyl-D-glucosaminylphosphatidylinositol De-N-acetylase of glycosylphosphatidylinositol biosynthesis is a zinc metalloenzyme. <i>Journal of Biological Chemistry</i> , 2005 , 280, 22831-8	5.4	38
190	Biosynthesis of the glycolipid anchor of lipophosphoglycan and the structurally related glycoinositolphospholipids from <i>Leishmania major</i> . <i>Biochemical Journal</i> , 1995 , 308 (Pt 1), 45-55	3.8	38
189	The de novo synthesis of GDP-fucose is essential for flagellar adhesion and cell growth in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2007 , 282, 28853-28863	5.4	37
188	Differences between the trypanosomal and human GlcNAc-PI de-N-acetylases of glycosylphosphatidylinositol membrane anchor biosynthesis. <i>Glycobiology</i> , 1999 , 9, 415-22	5.8	37
187	The identification of isoprenoids that bind in the intersubunit cavity of <i>Escherichia coli</i> 2C-methyl-D-erythritol-2,4-cyclodiphosphate synthase by complementary biophysical methods. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2005 , 61, 45-52		36

186	The glycan core of GPI-anchored proteins modulates aerolysin binding but is not sufficient: the polypeptide moiety is required for the toxin-receptor interaction. <i>FEBS Letters</i> , 2002 , 512, 249-54	3.8	36
185	<i>Trypanosoma brucei</i> GPEET-PARP is phosphorylated on six out of seven threonine residues. <i>Molecular and Biochemical Parasitology</i> , 1999 , 98, 291-6	1.9	36
184	Analysis of the neutral glycan fractions of glycosyl-phosphatidylinositols by thin-layer chromatography. <i>Analytical Biochemistry</i> , 1993 , 210, 106-12	3.1	36
183	Molecular control of irreversible bistability during trypanosome developmental commitment. <i>Journal of Cell Biology</i> , 2015 , 211, 455-68	7.3	35
182	Proteomic selection of immunodiagnostic antigens for human African trypanosomiasis and generation of a prototype lateral flow immunodiagnostic device. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2087	4.8	35
181	Modeling of the N-glycosylated transferrin receptor suggests how transferrin binding can occur within the surface coat of <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2012 , 8, e1002618	7.6	34
180	Parasite glycoconjugates. Part 1. The synthesis of some early and related intermediates in the biosynthetic pathway of glycosyl-phosphatidylinositol membrane anchors. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993 , 2945		34
179	Identification and specific localization of tyrosine-phosphorylated proteins in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 617-26		33
178	Chemical structure of <i>Trichomonas vaginalis</i> surface lipoglycan: a role for short galactose (1-4/3) N-acetylglucosamine repeats in host cell interaction. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40494-5084	5.4	33
177	Structure of the glycosyl-phosphatidylinositol membrane anchor of acetylcholinesterase from the electric organ of the electric-fish, <i>Torpedo californica</i> . <i>Biochemical Journal</i> , 1993 , 296 (Pt 2), 473-9	3.8	33
176	Parasite Glycobiology: A Bittersweet Symphony. <i>PLoS Pathogens</i> , 2015 , 11, e1005169	7.6	32
175	Systematic review of performance of non-invasive biomarkers in the evaluation of non-alcoholic fatty liver disease. <i>Liver International</i> , 2011 , 31, 461-73	7.9	32
174	Identification of novel inhibitors of UDP-Glc 4Epiamerase, a validated drug target for african sleeping sickness. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5744-7	2.9	32
173	The detection of phospholipase-resistant and -sensitive glycosyl-phosphatidylinositol membrane anchors by western blotting. <i>Analytical Biochemistry</i> , 1994 , 219, 249-55	3.1	32
172	Glycoinositol-phospholipid profiles of four serotypically distinct Old World <i>Leishmania</i> strains. <i>Biochemical Journal</i> , 1994 , 304 (Pt 2), 603-9	3.8	31
171	The chemical synthesis of <i>Leishmania donovani</i> phosphoglycan via polycondensation of a glycobiosyl hydrogenphosphonate monomer. <i>Carbohydrate Research</i> , 1995 , 272, 179-89	2.9	31
170	Parasite glycoconjugates: towards the exploitation of their structure. <i>Parasite Immunology</i> , 1988 , 10, 465-79	2.2	31
169	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in <i>Leishmania donovani</i> . <i>ACS Infectious Diseases</i> , 2019 , 5, 111-122	5.5	31

168	African trypanosomes evade immune clearance by O-glycosylation of the VSG surface coat. <i>Nature Microbiology</i> , 2018 , 3, 932-938	26.6	30
167	Identification of a glycosylphosphatidylinositol anchor-modifying beta1-3 N-acetylglucosaminyl transferase in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2009 , 71, 478-91	4.1	30
166	Serum proteome of nonalcoholic fatty liver disease: a multimodal approach to discovery of biomarkers of nonalcoholic steatohepatitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2014 , 29, 1839-47	4	29
165	Evaluation of the diagnostic accuracy of prototype rapid tests for human African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3373	4.8	29
164	Acyl-CoA binding protein is essential in bloodstream form <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2001 , 112, 301-4	1.9	29
163	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015 , 43, D637-44	20.1	28
162	Purification, cloning and characterization of a GPI inositol deacylase from <i>Trypanosoma brucei</i> . <i>EMBO Journal</i> , 2001 , 20, 4923-34	13	28
161	Characterization of the elongating alpha-D-mannosyl phosphate transferase from three species of <i>Leishmania</i> using synthetic acceptor substrate analogues. <i>Biochemistry</i> , 2000 , 39, 8017-25	3.2	28
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