

Michael Anthony J Ferguson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7813669/michael-anthony-j-ferguson-publications-by-year.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.

293
papers

14,424
citations

61
h-index

108
g-index

311
ext. papers

15,504
ext. citations

6.1
avg. IF

6.19
L-index

#	Paper	IF	Citations
293	Visualisation of experimentally determined and predicted protein N-glycosylation and predicted glycosylphosphatidylinositol anchor addition in .. <i>Wellcome Open Research</i> , 2022 , 7, 33	4.8	0
292	Visualisation of proteome-wide ordered protein abundances in .. <i>Wellcome Open Research</i> , 2022 , 7, 34	4.8	0
291	The Leishmania donovani Ortholog of the Glycosylphosphatidylinositol Anchor Biosynthesis Cofactor PBN1 Is Essential for Host Infection.. <i>MBio</i> , 2022 , e0043322	7.8	1
290	Proteomic identification of the UDP-GlcNAc: PI 1-6 GlcNAc-transferase subunits of the glycosylphosphatidylinositol biosynthetic pathway of Trypanosoma brucei. <i>PLoS ONE</i> , 2021 , 16, e0244699	3.7	2
289	Multiple unbiased approaches identify oxidosqualene cyclase as the molecular target of a promising anti-leishmanial. <i>Cell Chemical Biology</i> , 2021 , 28, 711-721.e8	8.2	4
288	Nucleotide sugar biosynthesis occurs in the glycosomes of procyclic and bloodstream form Trypanosoma brucei. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009132	4.8	6
287	Elimination of GPI2 suppresses glycosylphosphatidylinositol GlcNAc transferase activity and alters GPI glycan modification in Trypanosoma brucei. <i>Journal of Biological Chemistry</i> , 2021 , 297, 100977	5.4	2
286	A broadly active fucosyltransferase LmjFUT1 whose mitochondrial localization and activity are essential in parasitic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
285	An essential, kinetoplastid-specific GDP-Fuc: D-Gal 1,2-fucosyltransferase is located in the mitochondrion of. <i>ELife</i> , 2021 , 10,	8.9	4
284	A Trypanosoma brucei B glycosyltransferase superfamily gene encodes a 1-6 GlcNAc-transferase mediating N-glycan and GPI anchor modification. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101153	5.4	1
283	CAP-MAP: cap analysis protocol with minimal analyte processing, a rapid and sensitive approach to analysing mRNA cap structures. <i>Open Biology</i> , 2020 , 10, 190306	7	15
282	A mechanism-inspired UDP--acetylglucosamine pyrophosphorylase inhibitor. <i>RSC Chemical Biology</i> , 2020 , 1, 13-25	3	6
281	Setting Our Sights on Infectious Diseases. <i>ACS Infectious Diseases</i> , 2020 , 6, 3-13	5.5	9
280	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
279	Reprogramming of Trypanosoma cruzi metabolism triggered by parasite interaction with the host cell extracellular matrix. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007103	4.8	19
278	Phosphomannomutase and Guanosine Diphosphate-Mannose Pyrophosphorylase Ligandability Assessment. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	5
277	Proteome turnover in the bloodstream and procyclic forms of measured by quantitative proteomics. <i>Wellcome Open Research</i> , 2019 , 4, 152	4.8	11

276	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
275	Proteomic Analysis of the Cell Cycle of Procyclic Form. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 1184-1195	10.5	17
274	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. <i>Nature</i> , 2018 , 560, 192-197	50.4	73
273	African trypanosomes evade immune clearance by O-glycosylation of the VSG surface coat. <i>Nature Microbiology</i> , 2018 , 3, 932-938	26.6	30
272	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
271	Gluconeogenesis using glycerol as a substrate in bloodstream-form <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2018 , 14, e1007475	7.6	14
270	The mRNA cap methyltransferase gene <i>TbCMT1</i> is not essential in vitro but is a virulence factor in vivo for bloodstream form <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2018 , 13, e0201263	3.7	2
269	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. <i>Nature Reviews Microbiology</i> , 2017 , 15, 217-231	22.2	225
268	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in <i>Euglena gracilis</i> membranes. <i>Carbohydrate Research</i> , 2017 , 438, 26-38	2.9	12
267	Single-subunit oligosaccharyltransferases of display different and predictable peptide acceptor specificities. <i>Journal of Biological Chemistry</i> , 2017 , 292, 20328-20341	5.4	10
266	Genetic metabolic complementation establishes a requirement for GDP-fucose in. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10696-10708	5.4	9
265	Prediction of Protein Complexes in by Protein Correlation Profiling Mass Spectrometry and Machine Learning. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 2254-2267	7.6	20
264	Proteomic Identification of Immunodiagnostic Antigens for <i>Trypanosoma vivax</i> Infections in Cattle and Generation of a Proof-of-Concept Lateral Flow Test Diagnostic Device. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004977	4.8	15
263	A Gene of the β -Glycosyltransferase Family Encodes N-Acetylglucosaminyltransferase II Function in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2016 , 291, 13834-45	5.4	9
262	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
261	<i>Leishmania major</i> UDP-sugar pyrophosphorylase salvages galactose for glycoconjugate biosynthesis. <i>International Journal for Parasitology</i> , 2015 , 45, 783-90	4.3	8
260	Identification of a glycosylphosphatidylinositol anchor-modifying β -3 galactosyltransferase in <i>Trypanosoma brucei</i> . <i>Glycobiology</i> , 2015 , 25, 438-47	5.8	12
259	Molecular control of irreversible bistability during trypanosome developmental commitment. <i>Journal of Cell Biology</i> , 2015 , 211, 455-68	7.3	35

258	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015 , 43, D637-44	20.1	28
257	Parasite Glycobiology: A Bittersweet Symphony. <i>PLoS Pathogens</i> , 2015 , 11, e1005169	7.6	32
256	Depletion of UDP-Glucose and UDP-Galactose Using a Degron System Leads to Growth Cessation of <i>Leishmania major</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004205	4.8	14
255	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
254	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
253	Probing the substrate specificity of <i>Trypanosoma brucei</i> GlcNAc-PI de-N-acetylase with synthetic substrate analogues. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1919-34	3.9	6
252	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
251	TbGT8 is a bifunctional glycosyltransferase that elaborates N-linked glycans on a protein phosphatase AcP115 and a GPI-anchor modifying glycan in <i>Trypanosoma brucei</i> . <i>Parasitology International</i> , 2014 , 63, 513-8	2.1	7
250	Fragment screening reveals salicylic hydroxamic acid as an inhibitor of <i>Trypanosoma brucei</i> GPI GlcNAc-PI de-N-acetylase. <i>Carbohydrate Research</i> , 2014 , 387, 54-8	2.9	10
249	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
248	Proteomic selection of immunodiagnostic antigens for <i>Trypanosoma congolense</i> . <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2936	4.8	8
247	Identification of sVSG117 as an immunodiagnostic antigen and evaluation of a dual-antigen lateral flow test for the diagnosis of human African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2976	4.8	12
246	Identification and functional characterization of a highly divergent N-acetylglucosaminyltransferase I (TbGnTI) in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2014 , 289, 9328-39	5.4	17
245	Global quantitative SILAC phosphoproteomics reveals differential phosphorylation is widespread between the procyclic and bloodstream form lifecycle stages of <i>Trypanosoma brucei</i> . <i>Journal of Proteome Research</i> , 2013 , 12, 2233-44	5.6	139
244	Genetic and structural validation of <i>Aspergillus fumigatus</i> UDP-N-acetylglucosamine pyrophosphorylase as an antifungal target. <i>Molecular Microbiology</i> , 2013 , 89, 479-93	4.1	17
243	A novel allosteric inhibitor of the uridine diphosphate N-acetylglucosamine pyrophosphorylase from <i>Trypanosoma brucei</i> . <i>ACS Chemical Biology</i> , 2013 , 8, 1981-7	4.9	22
242	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
241	Exploring the <i>Trypanosoma brucei</i> Hsp83 potential as a target for structure guided drug design. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2492	4.8	25

240	Genetic and structural validation of <i>Aspergillus fumigatus</i> N-acetylphosphoglucosamine mutase as an antifungal target. <i>Bioscience Reports</i> , 2013 , 33,	4.1	15
239	Structure of a complex phosphoglycan epitope from gp72 of <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2013 , 288, 11093-105	5.4	19
238	Creation and characterization of glycosyltransferase mutants of <i>Trypanosoma brucei</i> . <i>Methods in Molecular Biology</i> , 2013 , 1022, 249-75	1.4	6
237	Phosphoglucomutase is absent in <i>Trypanosoma brucei</i> and redundantly substituted by phosphomannomutase and phospho-N-acetylglucosamine mutase. <i>Molecular Microbiology</i> , 2012 , 85, 513-34	4.1	19
236	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
235	The de novo and salvage pathways of GDP-mannose biosynthesis are both sufficient for the growth of bloodstream-form <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2012 , 84, 340-51	4.1	20
234	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
233	Comparative SILAC proteomic analysis of <i>Trypanosoma brucei</i> bloodstream and procyclic lifecycle stages. <i>PLoS ONE</i> , 2012 , 7, e36619	3.7	122
232	Inhibitors incorporating zinc-binding groups target the GlcNAc-PI de-N-acetylase in <i>Trypanosoma brucei</i> , the causative agent of African sleeping sickness. <i>Chemical Biology and Drug Design</i> , 2012 , 79, 270-89	3.9	7
231	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
230	The lipid-linked oligosaccharide donor specificities of <i>Trypanosoma brucei</i> oligosaccharyltransferases. <i>Glycobiology</i> , 2012 , 22, 696-703	5.8	18
229	Deep evolutionary conservation of an intramolecular protein kinase activation mechanism. <i>PLoS ONE</i> , 2012 , 7, e29702	3.7	17
228	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
227	. <i>Tetrahedron Letters</i> , 2011 , 52, 7091-7094	2	10
226	Probing elongating and branching ED-galactosyltransferase activities in <i>Leishmania</i> parasites by making use of synthetic phosphoglycans. <i>ACS Chemical Biology</i> , 2011 , 6, 648-57	4.9	5
225	Synthesis of potential metal-binding group compounds to examine the zinc dependency of the GPI de-N-acetylase metalloenzyme in <i>Trypanosoma brucei</i> . <i>Carbohydrate Research</i> , 2011 , 346, 708-14	2.9	7
224	Protein O-GlcNAcylation is required for fibroblast growth factor signaling in <i>Drosophila</i> . <i>Science Signaling</i> , 2011 , 4, ra89	8.8	21
223	Characterization, localization, essentiality, and high-resolution crystal structure of glucosamine 6-phosphate N-acetyltransferase from <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2011 , 10, 985-97		27

222	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
221	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. <i>Nature</i> , 2010 , 464, 728-32	50.4	213
220	Identification, subcellular localization, biochemical properties, and high-resolution crystal structure of <i>Trypanosoma brucei</i> UDP-glucose pyrophosphorylase. <i>Glycobiology</i> , 2010 , 20, 1619-30	5.8	25
219	Application of electrospray mass spectrometry to the structural determination of glycosylphosphatidylinositol membrane anchors. <i>Glycobiology</i> , 2010 , 20, 576-85	5.8	8
218	Prophossi: automating expert validation of phosphopeptide-spectrum matches from tandem mass spectrometry. <i>Bioinformatics</i> , 2010 , 26, 2153-9	7.2	17
217	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
216	Stoichiometric quantification of Akt phosphorylation using LC-MS/MS. <i>Journal of Proteome Research</i> , 2010 , 9, 743-51	5.6	21
215	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
214	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
213	Glycotyping of <i>Trypanosoma brucei</i> variant surface glycoprotein MITat1.8. <i>Molecular and Biochemical Parasitology</i> , 2010 , 174, 74-7	1.9	13
212	<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
211	Fate of glycosylphosphatidylinositol (GPI)-less procyclin and characterization of sialylated non-GPI-anchored surface coat molecules of procyclic-form <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 1407-17		21
210	The phosphoproteome of bloodstream form <i>Trypanosoma brucei</i> , causative agent of African sleeping sickness. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 1527-38	7.6	129
209	Chapter 3 The GlcNAc-PI de-N-acetylase. <i>The Enzymes</i> , 2009 , 49-64	2.3	4
208	Identification and specific localization of tyrosine-phosphorylated proteins in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 617-26		33
207	Proteomic scale high-sensitivity analyses of GPI membrane anchors. <i>Glycoconjugate Journal</i> , 2009 , 26, 915-21	3	8
206	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
205	Distinct donor and acceptor specificities of <i>Trypanosoma brucei</i> oligosaccharyltransferases. <i>EMBO Journal</i> , 2009 , 28, 2650-61	13	87

204	Probing enzymes late in the trypanosomal glycosylphosphatidylinositol biosynthetic pathway with synthetic glycosylphosphatidylinositol analogues. <i>ACS Chemical Biology</i> , 2008 , 3, 625-34	4.9	26
203	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
202	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
201	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
200	Synthesis of 1-D-6-O-[2-(N-hydroxyaminocarbonyl)amino-2-deoxy-alpha-D-glucopyranosyl]-myo-inositol 1-(n-octadecyl phosphate): a potential metalloenzyme inhibitor of glycosylphosphatidylinositol biosynthesis. <i>Carbohydrate Research</i> , 2008 , 343, 1478-81	2.9	6
199	Probing <i>Trypanosoma brucei</i> glycosylphosphatidylinositol biosynthesis using novel precursor-analogues. <i>Chemical Biology and Drug Design</i> , 2008 , 72, 127-32	2.9	8
198	Structure of the glycosylphosphatidylinositol anchor of the <i>Trypanosoma brucei</i> transferrin receptor. <i>Molecular and Biochemical Parasitology</i> , 2007 , 151, 220-3	1.9	17
197	The Chemical Synthesis of Glycosylphosphatidylinositol Anchors from <i>Trypanosoma cruzi</i> Trypomastigote Mucins. <i>ACS Symposium Series</i> , 2007 , 285-306	0.4	2
196	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
195	Sugar nucleotide pools of <i>Trypanosoma brucei</i> , <i>Trypanosoma cruzi</i> , and <i>Leishmania major</i> . <i>Eukaryotic Cell</i> , 2007 , 6, 1450-63		109
194	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
193	Characterization of the glycosylphosphatidylinositol anchor of the immunodominant <i>Cryptosporidium parvum</i> 17-kDa antigen. <i>Molecular and Biochemical Parasitology</i> , 2006 , 149, 108-12	1.9	13
192	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
191	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
190	Synthetic glycovaccine protects against the bite of leishmania-infected sand flies. <i>Journal of Infectious Diseases</i> , 2006 , 194, 512-8	7	48
189	Galactose starvation in a bloodstream form <i>Trypanosoma brucei</i> UDP-glucose 4-epimerase conditional null mutant. <i>Eukaryotic Cell</i> , 2006 , 5, 1906-13		40
188	Fatty acids from <i>Plasmodium falciparum</i> down-regulate the toxic activity of malaria glycosylphosphatidylinositols. <i>Infection and Immunity</i> , 2006 , 74, 5487-96	3.7	27
187	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

186	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
185	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
184	Trypanosoma brucei UDP-galactose-4Epimerase in ternary complex with NAD ⁺ and the substrate analogue UDP-4-deoxy-4-fluoro-alpha-D-galactose. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006 , 62, 829-34		15
183	Hypomorphic promoter mutation in PIGM causes inherited glycosylphosphatidylinositol deficiency. <i>Nature Medicine</i> , 2006 , 12, 846-51	50.5	164
182	Identification of novel inhibitors of UDP-Glc 4Epimerase, a validated drug target for african sleeping sickness. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5744-7	2.9	32
181	The Chemical Synthesis of Bioactive Glycosylphosphatidylinositols from Trypanosoma cruzi Containing an Unsaturated Fatty Acid in the Lipid. <i>Angewandte Chemie</i> , 2006 , 118, 482-488	3.6	8
180	The proteome of Trypanosoma cruzi shed vesicles involved in host immunomodulation and cell invasion. <i>FASEB Journal</i> , 2006 , 20, A514	0.9	0
179	A robust and selective method for the quantification of glycosylphosphatidylinositols in biological samples. <i>Glycobiology</i> , 2005 , 15, 131-8	5.8	17
178	Synthesis of a cell-permeable analogue of a glycosylphosphatidylinositol (GPI) intermediate that is toxic to the living bloodstream form of Trypanosoma brucei. <i>Tetrahedron Letters</i> , 2005 , 46, 7419-7421	2	7
177	Mannosamine can replace glucosamine in glycosylphosphatidylinositols of Plasmodium falciparum in vitro. <i>Molecular and Biochemical Parasitology</i> , 2005 , 142, 12-24	1.9	4
176	Synthetic fragments of antigenic lipophosphoglycans from Leishmania major and Leishmania mexicana and their use for characterisation of the Leishmania elongating alpha-D-mannopyranosylphosphate transferase. <i>Chemistry - A European Journal</i> , 2005 , 11, 2019-30	4.8	24
175	The identification of isoprenoids that bind in the intersubunit cavity of Escherichia coli 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
174	Structural characterization of NETNES, a novel glycoconjugate in Trypanosoma cruzi epimastigotes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12201-11	5.4	41
173	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
172	Mnt1p and Mnt2p of Candida albicans 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
171	The suppression of galactose metabolism in procyclic form Trypanosoma brucei 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
170	Deletion of the glucosidase II gene in Trypanosoma brucei 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
169	Trypanosoma brucei glycoproteins contain novel giant poly-N-acetyllactosamine carbohydrate chains. <i>Journal of Biological Chemistry</i> , 2005 , 280, 865-71	5.4	65

168	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
167	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
166	Sphingolipid-free <i>Leishmania</i> are defective in membrane trafficking, differentiation and infectivity. <i>Molecular Microbiology</i> , 2004 , 52, 313-27	4.1	80
165	Chemical validation of GPI biosynthesis as a drug target against African sleeping sickness. <i>EMBO Journal</i> , 2004 , 23, 4701-8	13	67
164	Transmission of cutaneous leishmaniasis by sand flies is enhanced by regurgitation of FPPG. <i>Nature</i> , 2004 , 430, 463-7	50.4	205
163	The synthesis of some deoxygenated analogues of early intermediates in the biosynthesis of glycosylphosphatidylinositol (GPI) membrane anchors. <i>Carbohydrate Research</i> , 2004 , 339, 1263-77	2.9	7
162	Synthesis of potential bisubstrate inhibitors of <i>Leishmania</i> elongating β -mannosyl phosphate transferase. <i>Tetrahedron Letters</i> , 2004 , 45, 857-862	2	16
161	In vitro biosynthesis of glycosylphosphatidylinositol in <i>Aspergillus fumigatus</i> . <i>Biochemistry</i> , 2004 , 43, 15267-75	3.2	15
160	The N-glycan glucosidase system in <i>Trypanosoma brucei</i> . <i>Biochemical Society Transactions</i> , 2004 , 32, 766-81	3.1	5
159	Characterization of a low molecular weight glycolipid antigen from <i>Cryptosporidium parvum</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 52212-22	5.4	20
158	Structures of the glycosylphosphatidylinositol membrane anchors from <i>Aspergillus fumigatus</i> membrane proteins. <i>Glycobiology</i> , 2003 , 13, 169-77	5.8	61
157	Cloning and characterisation of the UDP-glucose 4Epimerase of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2003 , 132, 47-53	1.9	26
156	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
155	Deletion of the GPIdeAc gene alters the location and fate of glycosylphosphatidylinositol precursors in <i>Trypanosoma brucei</i> . <i>Biochemistry</i> , 2003 , 42, 14532-40	3.2	15
154	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
153	Characterisation and cellular localisation of a GPEET procyclin precursor in <i>Trypanosoma brucei</i> insect forms. <i>Molecular and Biochemical Parasitology</i> , 2002 , 119, 87-95	1.9	10
152	A role for tertiary structure in the generation of antigenic diversity and molecular association of the Tams1 polypeptide in <i>Theileria annulata</i> . <i>Molecular and Biochemical Parasitology</i> , 2002 , 122, 55-67	1.9	9
151	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

150	Synthesis of oligomeric phosphono analogues of Leishmania lipophosphoglycan fragments. <i>Tetrahedron Letters</i> , 2002 , 43, 7821-7825	2	15
149	Further probing of the substrate specificities and inhibition of enzymes involved at an early stage of glycosylphosphatidylinositol (GPI) biosynthesis. <i>Carbohydrate Research</i> , 2002 , 337, 2049-59	2.9	16
148	Partial structure of glutamic acid and alanine-rich protein, a major surface glycoprotein of the insect stages of <i>Trypanosoma congolense</i> . <i>Journal of Biological Chemistry</i> , 2002 , 277, 48899-904	5.4	20
147	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
146	Galactose metabolism is essential for the African sleeping sickness parasite <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 5884-9	11.5	93
145	Specificities of enzymes of glycosylphosphatidylinositol biosynthesis in <i>Trypanosoma brucei</i> and HeLa cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 37147-53	5.4	19
144	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
143	Substrate specificity of the <i>Plasmodium falciparum</i> glycosylphosphatidylinositol biosynthetic pathway and inhibition by species-specific suicide substrates. <i>Biochemistry</i> , 2002 , 41, 12395-406	3.2	27
142	Parasite glycoconjugates. Part 12. Synthesis of deoxy, fluorodeoxy and aminodeoxy disaccharide phosphates, substrate analogues for the elongating β -mannopyranosylphosphate transferase in the <i>Leishmania</i> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 242-256		1
141	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
140	Analogues of d -glucosaminylphosphatidylinositol: synthesis of the glycosyl donors. <i>Tetrahedron Letters</i> , 2001 , 42, 117-119	2	9
139	Synthesis of 3?- , 4?- and 6?-deoxy and other analogues of d -glucosaminylphosphatidylinositol. <i>Tetrahedron Letters</i> , 2001 , 42, 121-123	2	5
138	Synthesis of β -Galp-(1-4)- β -Manp methanephosphonate, a substrate analogue for the elongating β -mannosyl phosphate transferase in the <i>Leishmania</i> . <i>Tetrahedron Letters</i> , 2001 , 42, 5305-5308	2.2	13
137	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
136	Purification, cloning and characterization of a GPI inositol deacylase from <i>Trypanosoma brucei</i> . <i>EMBO Journal</i> , 2001 , 20, 4923-34	13	28
135	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
134	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 Immunology</i> , 2001 , 166, 3423-31	5.3	104
133	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

132	The use of <i>Pseudomonas</i> acyl-CoA synthetase to form acyl-CoAs from dicarboxylic fatty acids. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2001 , 1531, 1-3	5	2
131	Parasite glycoconjugates. Part 11. Preparation of phosphodisaccharide synthetic probes, substrate analogues for the elongating β -mannopyranosylphosphate transferase in the <i>Leishmania</i> . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 72-81		15
130	Isolation and characterization of glycosylphosphatidylinositol-anchored, mucin-like surface glycoproteins from bloodstream forms of the freshwater-fish parasite <i>Trypanosoma carassii</i> . <i>Biochemical Journal</i> , 2000 , 345, 693	3.8	9
129	Isolation and characterization of glycosylphosphatidylinositol-anchored, mucin-like surface glycoproteins from bloodstream forms of the freshwater-fish parasite <i>Trypanosoma carassii</i> . <i>Biochemical Journal</i> , 2000 , 345, 693-700	3.8	16
128	Analysis of the glycoforms of <i>Trypanosoma brucei</i> variant surface glycoproteins by MALDI-TOF. <i>Biochemical Society Transactions</i> , 2000 , 28, A74-A74	5.1	
127	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode <i>Globodera rostochiensis</i> . <i>Molecular and Biochemical Parasitology</i> , 2000 , 111, 41-9	1.9	93
126	Highly purified glycosylphosphatidylinositols from <i>Trypanosoma cruzi</i> are potent proinflammatory agents. <i>EMBO Journal</i> , 2000 , 19, 1476-85	13	199
125	Cloning, expression, and characterization of the acyl-CoA-binding protein in African trypanosomes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 12503-8	5.4	19
124	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
123	C-reactive protein binds to phosphorylated carbohydrates. <i>Glycobiology</i> , 2000 , 10, 59-65	5.8	22
122	Protein structure controls the processing of the N-linked oligosaccharides and glycosylphosphatidylinositol glycans of variant surface glycoproteins expressed in bloodstream form <i>Trypanosoma brucei</i> . <i>Glycobiology</i> , 2000 , 10, 243-9	5.8	14
121	Parasite-specific inhibition of the glycosylphosphatidylinositol biosynthetic pathway by stereoisomeric substrate analogues. <i>Biochemistry</i> , 2000 , 39, 11801-7	3.2	26
120	Characterization of the elongating α -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
119	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
118	Analysis of the carbohydrate components of glycosylphosphatidylinositol structures using fluorescent labeling. <i>Methods in Molecular Biology</i> , 1999 , 116, 73-89	1.4	6
117	Synthesis of 6-N-Biotinylaminohexyl Isopropyl Phosphorofluoridate: A Potent Tool for the Inhibition/Isolation of Serine Esterases and Proteases. <i>Synthesis</i> , 1999 , 1999, 407-409	2.9	7
116	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
115	A novel glycosylphosphatidylinositol in African trypanosomes. A possible catabolic intermediate. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1465-71	5.4	16

114	Synthesis of novel glycosyl phosphate analogues: Derivatives of an acceptor substrate for the Leishmania elongating β -mannopyranosylphosphate transferase. <i>Tetrahedron Letters</i> , 1999 , 40, 6695-6698	2	10
113	The synthesis of Leishmania major phosphoglycan fragments. <i>Tetrahedron Letters</i> , 1999 , 40, 9281-9284	2	11
112	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
111	Synthesis of some second-generation substrate analogues of early intermediates in the biosynthetic pathway of glycosylphosphatidylinositol membrane anchors. <i>Carbohydrate Research</i> , 1999 , 321, 42-51	2.9	16
110	The preparation of neoglycoconjugates containing inter-saccharide phosphodiester linkages as potential anti-Leishmania vaccines. <i>Glycoconjugate Journal</i> , 1999 , 16, 773-80	3	24
109	Trypanosoma brucei GPEET-PARP is phosphorylated on six out of seven threonine residues. <i>Molecular and Biochemical Parasitology</i> , 1999 , 98, 291-6	1.9	36
108	Typing of Leishmania lipophosphoglycans by electrospray mass spectrometry. <i>Molecular and Biochemical Parasitology</i> , 1999 , 100, 207-15	1.9	11
107	Structural studies on the polar glycoinositol phospholipids of Trypanosoma (Schizotrypanum) dionisii from bats. <i>Molecular and Biochemical Parasitology</i> , 1999 , 102, 179-89	1.9	7
106	Regulation of macrophage IL-12 synthesis by Leishmania phosphoglycans. <i>European Journal of Immunology</i> , 1999 , 29, 235-44	6.1	77
105	Parasite glycoconjugates. Part 9.1 Synthesis of dec-9-enyl β -D-galactopyranosyl-(1-4)- β -D-mannopyranosyl phosphate and its epimers at the D-galactose moiety, substrate analogues for the elongating β -D-mannopyranosylphosphate transferase in the Leishmania. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999 , 1743-1754		21
104	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
103	Selective inhibitors of the glycosylphosphatidylinositol biosynthetic pathway of Trypanosoma brucei. <i>EMBO Journal</i> , 1999 , 18, 5922-30	13	57
102	Structural Requirements for Macrophage Activation by Glycosylphosphatidylinositols from Trypanosoma cruzi Mucins. <i>Biochemical Society Transactions</i> , 1999 , 27, A86-A86	5.1	
101	The Structure of Novel Phosphosaccharide Glycans of Trypanosoma cruzi. <i>Biochemical Society Transactions</i> , 1999 , 27, A111-A111	5.1	
100	The major surface glycoprotein of the procyclic form of Trypanosoma brucei is phosphorylated :- a MALDI-TOF study. <i>Biochemical Society Transactions</i> , 1999 , 27, A111-A111	5.1	
99	Trypanosoma cruzi mucins: potential functions of a complex structure. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1999 , 94 Supl 1, 173-6	2.6	8
98	The glycosylation of the variant surface glycoproteins and procyclic acidic repetitive proteins of Trypanosoma brucei. <i>Molecular and Biochemical Parasitology</i> , 1998 , 91, 145-52	1.9	86
97	Transformation of monomorphic Trypanosoma brucei bloodstream form trypomastigotes into procyclic forms at 37 degrees C by removing glucose from the culture medium. <i>Molecular and Biochemical Parasitology</i> , 1998 , 94, 99-112	1.9	27

96	A synthetic acceptor substrate for <i>Trypanosoma brucei</i> UDP-Gal: GPI anchor side-chain alpha-galactosyltransferases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 2051-4	2.9	6
95	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
94	Parasite glycoconjugates. Part 8.1 Chemical synthesis of a heptaglycosyl triphosphate fragment of <i>Leishmania mexicana</i> lipo- and proteo-phosphoglycan and of a phosphorylated trisaccharide fragment of <i>Leishmania donovani</i> surface lipophosphoglycan. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998 , 2587-2596		17
93	Analysis of the carbohydrate and lipid components of glycosylphosphatidylinositol structures. <i>Methods in Molecular Biology</i> , 1998 , 76, 213-35	1.4	5
92	The glycosylation of the complement regulatory protein, human erythrocyte CD59. <i>Advances in Experimental Medicine and Biology</i> , 1998 , 435, 153-62	3.6	10
91	The glycosylation of the complement regulatory protein, human erythrocyte CD59. <i>Journal of Biological Chemistry</i> , 1997 , 272, 7229-44	5.4	132
90	Hydrophobic mannosides act as acceptors for trypanosome alpha-mannosyltransferases. <i>Glycobiology</i> , 1997 , 7, 549-58	5.8	10
89	Expression of a variant surface glycoprotein of <i>Trypanosoma gambiense</i> in procyclic forms of <i>Trypanosoma brucei</i> shows that the cell type dictates the nature of the glycosylphosphatidylinositol membrane anchor attached to the glycoprotein. <i>Biochemical Journal</i> , 1997 , 324 (Pt 3), 885-95	3.8	18
88	Early steps in glycosylphosphatidylinositol biosynthesis in <i>Leishmania major</i> . <i>Biochemical Journal</i> , 1997 , 326 (Pt 2), 393-400	3.8	39
87	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
86	The core glycosylphosphatidylinositol anchor structures of <i>Trypanosoma brucei</i> variant surface glycoprotein 221. <i>Biochemical Society Transactions</i> , 1997 , 25, 13S	5.1	1
85	Roles for glycosylation in the anti-inflammatory molecule CD59. <i>Biochemical Society Transactions</i> , 1997 , 25, 1177-84	5.1	5
84	Primary and three dimensional structure of the type II VSG GPI anchor. <i>Biochemical Society Transactions</i> , 1997 , 25, S664	5.1	
83	Identification and characterization of protozoan products that trigger the synthesis of IL-12 by inflammatory macrophages. <i>Chemical Immunology and Allergy</i> , 1997 , 68, 136-52		19
82	Parasite glycoconjugates. Part 6.1 Chemical synthesis of phosphorylated penta- and hepta-saccharide fragments of <i>Leishmania major</i> antigenic lipophosphoglycan. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 969-980		10
81	Parasite glycoconjugates. Part 7.1 Synthesis of further substrate analogues of early intermediates in the biosynthetic pathway of glycosylphosphatidylinositol membrane anchors. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 2769-2774		13
80	The surface glycoconjugates of trypanosomatid parasites. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 1295-302	5.8	94
79	Structural characterisation of two forms of procyclic acidic repetitive protein expressed by procyclic forms of <i>Trypanosoma brucei</i> . <i>Journal of Molecular Biology</i> , 1997 , 269, 529-47	6.5	127

78	Parasite and mammalian GPI biosynthetic pathways can be distinguished using synthetic substrate analogues. <i>EMBO Journal</i> , 1997 , 16, 6667-75	13	64
77	The structure, biosynthesis and function of GPI membrane anchors 1997 , 233-245		
76	Structural characterization of novel oligosaccharides of cell-surface glycoproteins of <i>Trypanosoma cruzi</i> . <i>Glycobiology</i> , 1996 , 6, 869-78	5.8	43
75	Parasite glycoconjugates. Part 5. Blockwise approach to oligo(glycosyl phosphates): chemical synthesis of a terminal tris(glycobiosyl phosphate) fragment of <i>Leishmania donovani</i> antigenic lipophosphoglycan. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996 , 1559		23
74	Regulation of the expression of nitric oxide synthase and leishmanicidal activity by glycoconjugates of <i>Leishmania</i> 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
73	Structural studies on a lipoarabinogalactan of <i>Crithidia fasciculata</i> . <i>Biochemical Journal</i> , 1996 , 313 (Pt 3), 963-71	3.8	27
72	Molecular species analysis and quantification of the glycosylphosphatidylinositol intermediate glycolipid C from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1996 , 77, 137-45	1.9	19
71	Synthetic phospho-oligosaccharide fragments of lipophosphoglycan as acceptors for <i>Leishmania</i> major alpha-D-mannosylphosphate transferase. <i>FEBS Journal</i> , 1996 , 242, 410-6		27
70	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
69	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
68	The GlcNAc-Pi De-N-Acetylase Of Glycosylphosphatidylinositol (GPI) Biosynthesis In <i>Trypanosoma Brucei</i> 1996 , 357-366		
67	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
66	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
65	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
64	Primary structure of CD52. <i>Journal of Biological Chemistry</i> , 1995 , 270, 6088-99	5.4	211
63	The cation-independent mannose-6-phosphate receptor binds to soluble GPI-linked proteins via mannose-6-phosphate. <i>FEBS Letters</i> , 1995 , 360, 34-38	3.8	6
62	Parasite glycoconjugates. Part 3. Synthesis of substrate analogues of early intermediates in the biosynthetic pathway of glycosylphosphatidylinositol membrane anchors. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995 , 1673		9
61	Parasite glycoconjugates. Part 4. Chemical synthesis of disaccharide and phosphorylated oligosaccharide fragments of <i>Leishmania donovani</i> antigenic lipophosphoglycan. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995 , 1977		26

60	Hydrophobic glycosides of N-acetylglucosamine can act as primers for poly-lactosamine synthesis and can affect glycolipid synthesis in vivo. <i>Biochemical Journal</i> , 1995 , 307 (Pt 3), 791-7	3.8	14
59	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
58	The hydrophobic mannoside Man alpha 1-6Man alpha 1-S-(CH ₂) ₇ -CH ₃ acts as an acceptor for the UDP-Gal:glycosylphosphatidylinositol anchor alpha 1,3-galactosyltransferase of <i>Trypanosoma brucei</i> . <i>Biochemical Journal</i> , 1995 , 309 (Pt 3), 877-82	3.8	18
57	The biosynthesis of GDP-D-arabinopyranose in <i>Crithidia fasciculata</i> : characterization of a D-arabino-1-kinase activity and its use in the synthesis of GDP-[5- ³ H]D-arabinopyranose. <i>Biochemical Journal</i> , 1995 , 311 (Pt 1), 307-15	3.8	9
56	The glycoinositol-phospholipids of <i>Phytomonas</i> . <i>Biochemical Journal</i> , 1995 , 311 (Pt 2), 495-503	3.8	28
55	Microscale analysis of glycosylphosphatidylinositol structures. <i>Methods in Enzymology</i> , 1995 , 250, 614-30	3.7	46
54	Synthesis of a partially protected 1d-6-O-(2-azido-2-deoxy-Ed-glucopyranosyl)-myo-inositol: a useful precursor of glycosylphosphatidylinositols and related compounds. <i>Carbohydrate Research</i> , 1995 , 270, 85-91	2.9	17
53	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
52	Glycosyl-phosphatidylinositol molecules of the parasite and the host. <i>Parasitology</i> , 1994 , 108 Suppl, S45-54	3.4	55
51	The chemical synthesis of <i>Leishmania donovani</i> phosphoglycan fragments. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994 , 4, 785-788	2.9	18
50	Analysis of glycosylphosphatidylinositol membrane anchors by electrospray ionization-mass spectrometry and collision induced dissociation. <i>Glycoconjugate Journal</i> , 1994 , 11, 187-93	3	16
49	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
48	Acceptor analogues as potential inhibitors of bovine E1,4-galactosyl transferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994 , 4, 391-394	2.9	14
47	Hydrophilic-interaction chromatography of complex carbohydrates. <i>Journal of Chromatography A</i> , 1994 , 676, 191-22	4.5	214
46	What can GPI do for you?. <i>Parasitology Today</i> , 1994 , 10, 48-52		65
45	Structure of the glycosylphosphatidylinositol membrane anchor of human placental alkaline phosphatase. <i>Biochemical Journal</i> , 1994 , 302 (Pt 3), 861-5	3.8	63
44	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
43	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

42	The microanalysis of glycosyl-phosphatidylinositol glycans. <i>Methods in Molecular Biology</i> , 1993 , 14, 99-117.4		8
41	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
40	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
39	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
38	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
37	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
36	Structural determination of the glycolipid anchors of human and porcine membrane dipeptidases. <i>Biochemical Society Transactions</i> , 1993 , 21, 46S	5.1	3
35	An imino-linked carba-disaccharide alpha-D-mannosidase inhibitor. <i>Carbohydrate Research</i> , 1993 , 247, 341-5	2.9	17
34	Analysis of the neutral glycan fractions of glycosyl-phosphatidylinositols by thin-layer chromatography. <i>Analytical Biochemistry</i> , 1993 , 210, 106-12	3.1	36
33	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
32	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
31	Biosynthesis of Glycosyl-Phosphatidylinositol Protein Anchors in African Trypanosomes 1993 , 275-286		1
30	Site of palmitoylation of a phospholipase C-resistant glycosylphosphatidylinositol membrane anchor. <i>Biochemical Journal</i> , 1992 , 284 (Pt 2), 297-300	3.8	56
29	Colworth Medal Lecture. Glycosyl-phosphatidylinositol membrane anchors: the tale of a tail. <i>Biochemical Society Transactions</i> , 1992 , 20, 243-56	5.1	124
28	Inhibition of the GlcNAc transferase of the glycosylphosphatidylinositol anchor biosynthesis in African trypanosomes. <i>FEBS Journal</i> , 1992 , 208, 309-14		40
27	EVOLUTIONARY ASPECTS OF GPI METABOLISM IN KINETOPLASTID PARASITES 1992 , 140-154		1
26	Structural characterization of a novel glycosyl-phosphatidylinositol from the protozoan <i>Tetrahymena mimbres</i> . <i>Biochemical Journal</i> , 1991 , 279 (Pt 2), 605-8	3.8	12
25	Evolutionary aspects of GPI metabolism in kinetoplastid parasites. <i>Cell Biology International Reports</i> , 1991 , 15, 991-1005		15

24	Lipid anchors on membrane proteins. <i>Current Opinion in Structural Biology</i> , 1991 , 1, 522-529	8.1	91
23	Cell surface oligosaccharides on Dictyostelium during development. <i>Journal of Cell Science</i> , 1991 , 99, 485-495	5.3	12
22	Glycosyl-Phosphatidylinositol Membrane Anchors 1991 , 331-348		
21	Characterisation of the asparagine-linked oligosaccharides from Trypanosoma brucei type-I variant surface glycoproteins. <i>FEBS Journal</i> , 1990 , 187, 657-63		56
20	Solution structure of the glycosylphosphatidylinositol membrane anchor glycan of Trypanosoma brucei variant surface glycoprotein. <i>Biochemistry</i> , 1989 , 28, 2881-7	3.2	79
19	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
18	Complete structure of the glycosyl phosphatidylinositol membrane anchor of rat brain Thy-1 glycoprotein. <i>Nature</i> , 1988 , 333, 269-72	50.4	412
17	Glycosyl-phosphatidylinositol moiety that anchors Trypanosoma brucei variant surface glycoprotein to the membrane. <i>Science</i> , 1988 , 239, 753-9	33.3	668
16	Cell-surface anchoring of proteins via glycosyl-phosphatidylinositol structures. <i>Annual Review of Biochemistry</i> , 1988 , 57, 285-320	29.1	1162
15	Parasite glycoconjugates: towards the exploitation of their structure. <i>Parasite Immunology</i> , 1988 , 10, 465-79	2.2	31
14	The glycosylphosphatidylinositol membrane anchor of Trypanosoma brucei variant surface glycoprotein. <i>Biochemical Society Transactions</i> , 1988 , 16, 265-8	5.1	21
13	Intracellular transport of a variant surface glycoprotein in Trypanosoma brucei. <i>Journal of Cell Biology</i> , 1988 , 106, 77-86	7.3	66
12	Identification of phosphorylated 3-deoxy-manno-octulosonic acid as a component of Haemophilus influenzae lipopolysaccharide. <i>Biochemical Journal</i> , 1987 , 245, 583-7	3.8	42
11	Direct measurement of inositol in bovine myelin basic protein. <i>Biochemical Journal</i> , 1987 , 248, 285-8	3.8	23
10	Cell Surface Glycoproteins of Trypanosoma Cruzi 1987 , 79-87		2
9	Trypanosoma brucei brucei variant surface glycoprotein contains non-N-acetylated glucosamine. <i>Biochemical Journal</i> , 1986 , 234, 481-4	3.8	26
8	Covalently attached phosphatidylinositol as a hydrophobic anchor for membrane proteins. <i>Trends in Biochemical Sciences</i> , 1986 , 11, 212-215	10.3	240
7	Cysteine eliminates the feeder cell requirement for cultivation of Trypanosoma brucei bloodstream forms in vitro. <i>Journal of Experimental Medicine</i> , 1985 , 162, 1256-63	16.6	86

6	Comparative compositions of cell surface glycoconjugates isolated from <i>Trypanosoma cruzi</i> epimastigotes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1985 , 842, 39-44	4	17
5	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
4	The detection of phosphonolipids in the protozoan <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 1982 , 207, 171-4	3.8	27
3	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
2	An essential, kinetoplastid-specific GDP-Fuc: D-Gal β 1,2-fucosyltransferase is located in the mitochondrion of <i>Trypanosoma brucei</i>		2
1	A broadly active fucosyltransferase LmjFUT1 whose mitochondrial localization and catalytic activity is essential in the parasitic protozoan <i>Leishmania</i>		1