Michael Anthony J Ferguson

List of Publications by Year
in descending order

294	16,815	18887 64	23841 115
papers	citations	h-index	g-index

311	311	311	11089
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cell-Surface Anchoring of Proteins via Glycosyl-Phosphatidylinositol Structures. Annual Review of Biochemistry, 1988, 57, 285-320.	5.0	1,305
2	The structure, biosynthesis and function of glycosylated phosphatidylinositols in the parasitic protozoa and higher eukaryotes. Biochemical Journal, 1993, 294, 305-324.	1.7	914
3	Glycosyl-phosphatidylinositol moiety that anchors Trypanosoma brucei variant surface glycoprotein to the membrane. Science, 1988, 239, 753-759.	6.0	737
4	Complete structure of the glycosyl phosphatidylinositol membrane anchor of rat brain Thy-1 glycoprotein. Nature, 1988, 333, 269-272.	13.7	463
5	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. Nature Reviews Microbiology, 2017, 15, 217-231.	13.6	315
6	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. Nature, 2010, 464, 728-732.	13.7	272
7	Covalently attached phosphatidylinositol as a hydrophobic anchor for membrane proteins. Trends in Biochemical Sciences, 1986, 11, 212-215.	3.7	261
8	Primary Structure of CD52. Journal of Biological Chemistry, 1995, 270, 6088-6099.	1.6	255
9	Transmission of cutaneous leishmaniasis by sand flies is enhanced by regurgitation of fPPG. Nature, 2004, 430, 463-467.	13.7	234
10	Highly purified glycosylphosphatidylinositols from Trypanosoma cruzi are potent proinflammatory agents. EMBO Journal, 2000, 19, 1476-1485.	3.5	233
11	Hydrophilic-interaction chromatography of complex carbohydrates. Journal of Chromatography A, 1994, 676, 191-202.	1.8	230
12	Structure of the CAMPATH-1 antigen, a glycosylphosphatidylinositol-anchored glycoprotein which is an exceptionally good target for complement lysis. Biochemical Journal, 1993, 293, 633-640.	1.7	214
13	Outer Chain N-Glycans Are Required for Cell Wall Integrity and Virulence of Candida albicans. Journal of Biological Chemistry, 2006, 281, 90-98.	1.6	214
14	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 Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1993, 59, 293-303.	0.5	210
15	Hypomorphic promoter mutation in PIGM causes inherited glycosylphosphatidylinositol deficiency. Nature Medicine, 2006, 12, 846-851.	15.2	196
16	The Lipid Structure of the Glycosylphosphatidylinositol-anchored Mucin-like Sialic Acid Acceptors of Trypanosoma cruzi Changes during Parasite Differentiation from Epimastigotes to Infective Metacyclic Trypomastigote Forms. Journal of Biological Chemistry, 1995, 270, 27244-27253.	1.6	187
17	Mnt1p and Mnt2p of Candida albicans Are Partially Redundant Î±-1,2-Mannosyltransferases That Participate in O-Linked Mannosylation and Are Required for Adhesion and Virulence. Journal of Biological Chemistry, 2005, 280, 1051-1060.	1.6	173
18	Global Quantitative SILAC Phosphoproteomics Reveals Differential Phosphorylation Is Widespread between the Procyclic and Bloodstream Form Lifecycle Stages of Trypanosoma brucei. Journal of Proteome Research, 2013, 12, 2233-2244.	1.8	172

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19	Regulation of the expression of nitric oxide synthase and leishmanicidal activity by glycoconjugates of Leishmania lipophosphoglycan in murine macrophages.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10984-10989.	3.3	160
20	The Glycosylation of the Complement Regulatory Protein, Human Erythrocyte CD59. Journal of Biological Chemistry, 1997, 272, 7229-7244.	1.6	154
21	The Phosphoproteome of Bloodstream Form Trypanosoma brucei, Causative Agent of African Sleeping Sickness. Molecular and Cellular Proteomics, 2009, 8, 1527-1538.	2.5	154
22	Characterization of the cross-reacting determinant (CRD) of the glycosyl-phosphatidylinositol membrane anchor of Trypanosoma brucei variant surface glycoprotein. FEBS Journal, 1988, 176, 527-534.	0.2	148
23	Comparative SILAC Proteomic Analysis of Trypanosoma brucei Bloodstream and Procyclic Lifecycle Stages. PLoS ONE, 2012, 7, e36619.	1.1	147
24	Glycosyl-phosphatidylinositol Membrane Anchors: The Tale of a Tail. Biochemical Society Transactions, 1992, 20, 243-256.	1.6	143
25	Structural characterisation of two forms of procyclic acidic repetitive protein expressed by procyclic forms of Trypanosoma brucei. Journal of Molecular Biology, 1997, 269, 529-547.	2.0	138
26	The GPI biosynthetic pathway as a therapeutic target for African sleeping sickness. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1455, 327-340.	1.8	128
27	Sugar Nucleotide Pools of Trypanosoma brucei, Trypanosoma cruzi, and Leishmania major. Eukaryotic Cell, 2007, 6, 1450-1463.	3.4	128
28	Preclinical candidate for the treatment of visceral leishmaniasis that acts through proteasome inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9318-9323.	3.3	119
29	Structures of the Glycosyl-phosphatidylinositol Anchors of Porcine and Human Renal Membrane Dipeptidase. Journal of Biological Chemistry, 1995, 270, 22946-22956.	1.6	117
30	The surface glycoconjugates of trypanosomatid parasites. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 1295-1302.	1.8	116
31	A simple purification of procyclic acidic repetitive protein and demonstration of a sialylated glycosyl-phosphatidylinositol membrane anchor. Biochemical Journal, 1993, 291, 51-55.	1.7	113
32	Requirement of Mitogen-Activated Protein Kinases and IÎºB Phosphorylation for Induction of Proinflammatory Cytokines Synthesis by Macrophages Indicates Functional Similarity of Receptors Triggered by Glycosylphosphatidylinositol Anchors from Parasitic Protozoa and Bacterial Lipopolysaccharide. Journal of Immunology, 2001, 166, 3423-3431.	0.4	113
33	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. Nature, 2018, 560, 192-197.	13.7	112
34	Lipid anchors on membrane proteins. Current Opinion in Structural Biology, 1991, 1, 522-529.	2.6	105
35	Cloning, expression and functional characterisation of a peroxiredoxin from the potato cyst nematode Globodera rostochiensis. Molecular and Biochemical Parasitology, 2000, 111, 41-49.	0.5	104
36	Galactose metabolism is essential for the African sleeping sickness parasite Trypanosoma brucei. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5884-5889.	3.3	102

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37	Discovery of a Novel Class of Orally Active Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 140-152.	2.9	102
38	Cell surface antigens of Trypanosoma cruzi: Use of monoclonal antibodies to identify and isolate an epimastigote specific glycoprotein. Molecular and Biochemical Parasitology, 1981, 3, 343-356.	0.5	101
39	Distinct donor and acceptor specificities of Trypanosoma brucei oligosaccharyltransferases. EMBO Journal, 2009, 28, 2650-2661.	3.5	96
40	The glycosylation of the variant surface glycoproteins and procyclic acidic repetitive proteins of Trypanosoma brucei. Molecular and Biochemical Parasitology, 1998, 91, 145-152.	0.5	94
41	N-glycan microheterogeneity regulates interactions of plasma proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8763-8768.	3.3	94
42	Cysteine eliminates the feeder cell requirement for cultivation of Trypanosoma brucei bloodstream forms in vitro.. Journal of Experimental Medicine, 1985, 162, 1256-1263.	4.2	92
43	Ether Phospholipids and Glycosylinositolphospholipids Are Not Required for Amastigote Virulence or for Inhibition of Macrophage Activation by Leishmania major. Journal of Biological Chemistry, 2003, 278, 44708-44718.	1.6	92
44	High-Confidence Glycosome Proteome for Procyclic Form Trypanosoma brucei by Epitope-Tag Organelle Enrichment and SILAC Proteomics. Journal of Proteome Research, 2014, 13, 2796-2806.	1.8	92
45	Sphingolipid-free Leishmania are defective in membrane trafficking, differentiation and infectivity. Molecular Microbiology, 2004, 52, 313-327.	1.2	90
46	Solution structure of the glycosylphosphatidylinositol membrane anchor glycan of Trypanosoma brucei variant surface glycoprotein. Biochemistry, 1989, 28, 2881-2887.	1.2	88
47	Regulation of macrophage IL-12 synthesis byLeishmania phosphoglycans. European Journal of Immunology, 1999, 29, 235-244.	1.6	85
48	Intracellular transport of a variant surface glycoprotein in Trypanosoma brucei.. Journal of Cell Biology, 1988, 106, 77-86.	2.3	79
49	The Surface Coat of the Mammal-dwelling Infective Trypomastigote Stage of Trypanosoma cruzi Is Formed by Highly Diverse Immunogenic Mucins. Journal of Biological Chemistry, 2004, 279, 15860-15869.	1.6	79
50	Recombinant Human PPAR-Î²/Î´ Ligand-binding Domain is Locked in an Activated Conformation by Endogenous Fatty Acids. Journal of Molecular Biology, 2006, 356, 1005-1013.	2.0	79
51	Structure of the glycosylphosphatidylinositol membrane anchor glycan of a class-2 variant surface glycoprotein from Trypanosoma brucei. Journal of Molecular Biology, 1998, 277, 379-392.	2.0	78
52	Surface Sialic Acids Taken from the Host Allow Trypanosome Survival in Tsetse Fly Vectors. Journal of Experimental Medicine, 2004, 199, 1445-1450.	4.2	78
53	Parasite and mammalian GPI biosynthetic pathways can be distinguished using synthetic substrate analogues. EMBO Journal, 1997, 16, 6667-6675.	3.5	75
54	GPI-anchored Proteins and Free GPI Glycolipids of Procyclic Form Trypanosoma brucei Are Nonessential for Growth, Are Required for Colonization of the Tsetse Fly, and Are Not the Only Components of the Surface Coat. Molecular Biology of the Cell, 2006, 17, 5265-5274.	0.9	75

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55	Structures of the glycosylphosphatidylinositol membrane anchors from Aspergillus fumigatus membrane proteins. Glycobiology, 2003, 13, 169-177.	1.3	73
56	A Multidimensional Strategy to Detect Polypharmacological Targets in the Absence of Structural and Sequence Homology. PLoS Computational Biology, 2010, 6, e1000648.	1.5	72
57	Chemical validation of GPI biosynthesis as a drug target against African sleeping sickness. EMBO Journal, 2004, 23, 4701-4708.	3.5	71
58	What Can GPI Do for You?. Parasitology Today, 1994, 10, 48-52.	3.1	70
59	The Suppression of Galactose Metabolism in Procylic Form Trypanosoma brucei Causes Cessation of Cell Growth and Alters Procyclin Glycoprotein Structure and Copy Number. Journal of Biological Chemistry, 2005, 280, 19728-19736.	1.6	70
60	Trypanosoma brucei Glycoproteins Contain Novel Giant Poly-N-acetyllactosamine Carbohydrate Chains. Journal of Biological Chemistry, 2005, 280, 865-871.	1.6	69
61	Glycosyl-phosphatidylinositol molecules of the parasite and the host. Parasitology, 1994, 108, S45-S54.	0.7	68
62	Structure of the glycosylphosphatidylinositol membrane anchor of human placental alkaline phosphatase. Biochemical Journal, 1994, 302, 861-865.	1.7	68
63	Cloning of Trypanosoma brucei and Leishmania major Genes Encoding the GlcNAc-Phosphatidylinositol De-N-acetylase of Glycosylphosphatidylinositol Biosynthesis That Is Essential to the African Sleeping Sickness Parasite. Journal of Biological Chemistry, 2002, 277, 50176-50182.	1.6	68
64	Macrophage signaling by glycosylphosphatidylinositol-anchored mucin-like glycoproteins derived from Trypanosoma cruzi trypomastigotes. Microbes and Infection, 2002, 4, 1015-1025.	1.0	67
65	Binding site differences revealed by crystal structures of Plasmodium falciparum and bovine acyl-CoA binding protein. Journal of Molecular Biology, 2001, 309, 181-192.	2.0	66
66	Characterisation of the asparagine-linked oligosaccharides from Trypanosoma brucei type-I variant surface glycoproteins. FEBS Journal, 1990, 187, 657-663.	0.2	65
67	Deletion of the Glucosidase II Gene in Trypanosoma brucei Reveals Novel N-Glycosylation Mechanisms in the Biosynthesis of Variant Surface Glycoprotein. Journal of Biological Chemistry, 2005, 280, 35929-35942.	1.6	64
68	Glycosylphosphatidylinositol biosynthesis validated as a drug target for African sleeping sickness. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10673-10675.	3.3	63
69	Site of palmitoylation of a phospholipase C-resistant glycosylphosphatidylinositol membrane anchor. Biochemical Journal, 1992, 284, 297-300.	1.7	61
70	Global Membrane Protein Interactome Analysis using In vivo Crosslinking and Mass Spectrometry-based Protein Correlation Profiling. Molecular and Cellular Proteomics, 2016, 15, 2476-2490.	2.5	61
71	Deletion of the TbALG3 gene demonstrates site-specific N-glycosylation and N-glycan processing in Trypanosoma brucei. Glycobiology, 2008, 18, 367-383.	1.3	60
72	Selective inhibitors of the glycosylphosphatidylinositol biosynthetic pathway of Trypanosoma brucei. EMBO Journal, 1999, 18, 5922-5930.	3.5	59

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73	Post-translational modifications of the Dictyostelium discoideum glycoprotein PsA. Glycosylphosphatidylinositol membrane anchor and composition of O-linked oligosaccharides. FEBS Journal, 1993, 216, 729-737.	0.2	58
74	Proteomic Selection of Immunodiagnostic Antigens for Human African Trypanosomiasis and Generation of a Prototype Lateral Flow Immunodiagnostic Device. PLoS Neglected Tropical Diseases, 2013, 7, e2087.	1.3	58
75	Lead Optimization of a Pyrazole Sulfonamide Series of Trypanosoma brucei N-Myristoyltransferase Inhibitors: Identification and Evaluation of CNS Penetrant Compounds as Potential Treatments for Stage 2 Human African Trypanosomiasis. Journal of Medicinal Chemistry, 2014, 57, 9855-9869.	2.9	57
76	Substrate Specificity of the Dolichol Phosphate Mannose: Glucosaminyl Phosphatidylinositol Î±1-4-Mannosyltranferase of the Glycosylphosphatidylinositol Biosynthetic Pathway of African Trypanosomes. Journal of Biological Chemistry, 1996, 271, 6476-6482.	1.6	56
77	The Procyclin Repertoire of Trypanosoma brucei. Journal of Biological Chemistry, 1999, 274, 29763-29771.	1.6	56
78	Computer-Aided Identification ofTrypanosoma bruceiUridine Diphosphate Galactose 4â€²-Epimerase Inhibitors: Toward the Development of Novel Therapies for African Sleeping Sickness. Journal of Medicinal Chemistry, 2010, 53, 5025-5032.	2.9	56
79	Characterization of glycoinositol phospholipids in the amastigote stage of the protozoan parasite Leishmania major. Biochemical Journal, 1993, 295, 555-564.	1.7	55
80	[44] Microscale analysis of glycosylphosphatidylinositol structures. Methods in Enzymology, 1995, 250, 614-630.	0.4	55
81	The glycoforms of a Trypanosoma brucei variant surface glycoprotein and molecular modeling of a glycosylated surface coat. Glycobiology, 2002, 12, 607-612.	1.3	55
82	High-resolution crystal structure of Trypanosoma brucei UDP-galactose 4â€²-epimerase: a potential target for structure-based development of novel trypanocides. Molecular and Biochemical Parasitology, 2003, 126, 173-180.	0.5	55
83	Myristoyl-CoA:protein N-myristoyltransferase depletion in trypanosomes causes avirulence and endocytic defects. Molecular and Biochemical Parasitology, 2010, 169, 55-58.	0.5	55
84	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in Leishmania donovani. ACS Infectious Diseases, 2019, 5, 111-122.	1.8	55
85	Synthetic Glycovaccine Protects against the Bite ofLeishmaniaâ€Infected Sand Flies. Journal of Infectious Diseases, 2006, 194, 512-518.	1.9	54
86	Specificity of GlcNAc-PI de-N-acetylase of GPI biosynthesis and synthesis of parasite-specific suicide substrate inhibitors. EMBO Journal, 2001, 20, 3322-3332.	3.5	53
87	Reevaluation of the PPAR-Î²/Î´ Ligand Binding Domain Model Reveals Why It Exhibits the Activated Form. Molecular Cell, 2006, 21, 1-2.	4.5	53
88	The Chemical Synthesis of Bioactive Glycosylphosphatidylinositols fromTrypanosoma cruzi Containing an Unsaturated Fatty Acid in the Lipid. Angewandte Chemie - International Edition, 2006, 45, 468-474.	7.2	53
89	Phosphatidylethanolamine in Trypanosoma brucei Is Organized in Two Separate Pools and Is Synthesized Exclusively by the Kennedy Pathway. Journal of Biological Chemistry, 2008, 283, 23636-23644.	1.6	53
90	Chemical Proteomic Analysis Reveals the Drugability of the Kinome of Trypanosoma brucei. ACS Chemical Biology, 2012, 7, 1858-1865.	1.6	53

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91	Studies on the structure of a phosphoglycoprotein from the parasitic protozoan Trypanosoma cruzi. Biochemical Journal, 1983, 213, 313-319.	1.7	52
92	Structure of the N-linked oligosaccharide of the main diagnostic antigen of the pathogenic fungus Paracoccidiodes brasiliensis. Glycobiology, 1996, 6, 507-515.	1.3	52
93	The suppression of galactose metabolism in Trypanosoma cruzi epimastigotes causes changes in cell surface molecular architecture and cell morphology. Molecular and Biochemical Parasitology, 2006, 147, 126-136.	0.5	50
94	Identification of phosphorylated 3-deoxy-manno-octulosonic acid as a component of Haemophilus influenzae lipopolysaccharide. Biochemical Journal, 1987, 245, 583-587.	1.7	49
95	Differential inhibitory mechanism of cyclic AMP on TNF-Î± and IL-12 synthesis by macrophages exposed to microbial stimuli. British Journal of Pharmacology, 1999, 127, 1195-1205.	2.7	49
96	Structural Characterization of NETNES, a Novel Glycoconjugate in Trypanosoma cruzi Epimastigotes. Journal of Biological Chemistry, 2005, 280, 12201-12211.	1.6	48
97	The Synthesis of UDP-N-acetylglucosamine Is Essential for Bloodstream Form Trypanosoma brucei in Vitro and in Vivo and UDP-N-acetylglucosamine Starvation Reveals a Hierarchy in Parasite Protein Glycosylation. Journal of Biological Chemistry, 2008, 283, 16147-16161.	1.6	48
98	Characterization of the lipid moiety of the glycosylphosphatidylinositol anchor of Trypanosoma cruzi 1G7-antigen. Molecular and Biochemical Parasitology, 1995, 70, 71-84.	0.5	47
99	African trypanosomes evade immune clearance by O-glycosylation of the VSG surface coat. Nature Microbiology, 2018, 3, 932-938.	5.9	47
100	Structural characterization of novel oligosaccharides of cell-surface glycoproteins of Trypanosoma cruzi. Glycobiology, 1996, 6, 869-878.	1.3	46
101	Early steps in glycosylphosphatidylinositol biosynthesis in Leishmania major. Biochemical Journal, 1997, 326, 393-400.	1.7	46
102	Substrate specificity of the N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase of glycosylphosphatidylinositol membrane anchor biosynthesis in African trypanosomes and human cells. Biochemical Journal, 1997, 328, 171-177.	1.7	46
103	The de Novo Synthesis of GDP-fucose Is Essential for Flagellar Adhesion and Cell Growth in Trypanosoma brucei. Journal of Biological Chemistry, 2007, 282, 28853-28863.	1.6	46
104	Molecular control of irreversible bistability during trypanosome developmental commitment. Journal of Cell Biology, 2015, 211, 455-468.	2.3	46
105	Inhibition of the GlcNAc transferase of the glycosylphosphatidylinositol anchor biosynthesis in African trypanosomes. FEBS Journal, 1992, 208, 309-314.	0.2	43
106	Trypanosoma brucei UDP-Glucose:Glycoprotein Glucosyltransferase Has Unusual Substrate Specificity and Protects the Parasite from Stress. Eukaryotic Cell, 2009, 8, 230-240.	3.4	43
107	The glycan core of GPI-anchored proteins modulates aerolysin binding but is not sufficient: the polypeptide moiety is required for the toxin-receptor interaction. FEBS Letters, 2002, 512, 249-254.	1.3	42
108	Biosynthesis of the glycolipid anchor of lipophosphoglycan and the structurally related glycoinositolphospholipids from Leishmania major. Biochemical Journal, 1995, 308, 45-55.	1.7	41

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109	Galactose Starvation in a Bloodstream Form Trypanosoma brucei UDP-Glucose 4â€²-Epimerase Conditional Null Mutant. Eukaryotic Cell, 2006, 5, 1906-1913.	3.4	41
110	Systematic review of performance of non-invasive biomarkers in the evaluation of non-alcoholic fatty liver disease. Liver International, 2011, 31, 461-473.	1.9	41
111	The chemical synthesis of Leishmania donovani phosphoglycan via polycondensation of a glycobiosyl hydrogenphosphonate monomer. Carbohydrate Research, 1995, 272, 179-189.	1.1	40
112	The serum proteome of nonalcoholic fatty liver disease: A multimodal approach to discovery of biomarkers of nonalcoholic steatohepatitis. Journal of Gastroenterology and Hepatology (Australia), 2014, 29, 1839-1847.	1.4	40
113	Parasite Glycobiology: A Bittersweet Symphony. PLoS Pathogens, 2015, 11, e1005169.	2.1	40
114	Analysis of the Neutral Glycan Fractions of Glycosyl-phosphatidylinositols by Thin-Layer Chromatography. Analytical Biochemistry, 1993, 210, 106-112.	1.1	39
115	Differences between the trypanosomal and human GlcNAc-PI de-N-acetylases of glycosylphosphatidylinositol membrane anchor biosynthesis. Glycobiology, 1999, 9, 415-422.	1.3	38
116	Trypanosoma brucei GPEET-PARP is phosphorylated on six out of seven threonine residues. Molecular and Biochemical Parasitology, 1999, 98, 291-296.	0.5	38
117	The identification of isoprenoids that bind in the intersubunit cavity ofEscherichia coli2C-methyl-D-erythritol-2,4-cyclodiphosphate synthase by complementary biophysical methods. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 45-52.	2.5	38
118	The N-Acetyl-D-glucosaminylphosphatidylinositol De-N-acetylase of Glycosylphosphatidylinositol Biosynthesis Is a Zinc Metalloenzyme. Journal of Biological Chemistry, 2005, 280, 22831-22838.	1.6	38
119	Chemical Structure of Trichomonas vaginalis Surface Lipoglycan. Journal of Biological Chemistry, 2011, 286, 40494-40508.	1.6	38
120	Identification of novel inhibitors of UDP-Glc 4â€²-epimerase, a validated drug target for african sleeping sickness. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5744-5747.	1.0	37
121	Identification and Specific Localization of Tyrosine-Phosphorylated Proteins in Trypanosoma brucei. Eukaryotic Cell, 2009, 8, 617-626.	3.4	37
122	The Detection of Phospholipase-Resistant and -Sensitive Glycosyl-phosphatidylinositol Membrane Anchors by Western Blotting. Analytical Biochemistry, 1994, 219, 249-255.	1.1	36
123	Glycoinositol-phospholipid profiles of four serotypically distinct Old World Leishmania strains. Biochemical Journal, 1994, 304, 603-609.	1.7	36
124	Synthetic Phospho-Oligosaccharide Fragments of Lipophosphoglycan as Acceptors for Leishmania majoralpha-d-Mannosylphosphate Transferase. FEBS Journal, 1996, 242, 410-416.	0.2	36
125	Modeling of the N-Glycosylated Transferrin Receptor Suggests How Transferrin Binding Can Occur within the Surface Coat of Trypanosoma brucei. PLoS Pathogens, 2012, 8, e1002618.	2.1	36
126	Proteomic Analysis of the Cell Cycle of Procylic Form Trypanosoma brucei. Molecular and Cellular Proteomics, 2018, 17, 1184-1195.	2.5	36

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127	CAP-MAP: cap analysis protocol with minimal analyte processing, a rapid and sensitive approach to analysing mRNA cap structures. Open Biology, 2020, 10, 190306.	1.5	36
128	Parasite glycoconjugates. Part 1. The synthesis of some early and related intermediates in the biosynthetic pathway of glycosyl-phosphatidylinositol membrane anchors. Journal of the Chemical Society Perkin Transactions 1, 1993, , 2945.	0.9	35
129	Acyl-CoA binding protein is essential in bloodstream form Trypanosoma brucei. Molecular and Biochemical Parasitology, 2001, 112, 301-304.	0.5	35
130	Fatty Acids from Plasmodium falciparum Down-Regulate the Toxic Activity of Malaria Glycosylphosphatidylinositols. Infection and Immunity, 2006, 74, 5487-5496.	1.0	35
131	Identification of a glycosylphosphatidylinositol anchorâ€modifying Î²1â€3 Nâ€acetylglucosaminyl transferase in Trypanosoma brucei. Molecular Microbiology, 2009, 71, 478-491.	1.2	35
132	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. Nucleic Acids Research, 2015, 43, D637-D644.	6.5	35
133	Structure of the glycosyl-phosphatidylinositol membrane anchor of acetylcholinesterase from the electric organ of the electric-fish, Torpedo californica. Biochemical Journal, 1993, 296, 473-479.	1.7	34
134	Exploring the Trypanosoma brucei Hsp83 Potential as a Target for Structure Guided Drug Design. PLoS Neglected Tropical Diseases, 2013, 7, e2492.	1.3	34
135	Evaluation of the Diagnostic Accuracy of Prototype Rapid Tests for Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2014, 8, e3373.	1.3	34
136	Parasite glycoconjugates: towards the exploitation of their structure. Parasite Immunology, 1988, 10, 465-479.	0.7	33
137	Gluconeogenesis using glycerol as a substrate in bloodstream-form Trypanosoma brucei. PLoS Pathogens, 2018, 14, e1007475.	2.1	32
138	Characterization of the Elongating Î±-d-Mannosyl Phosphate Transferase from Three Species ofLeishmaniaUsing Synthetic Acceptor Substrate Analoguesâ€. Biochemistry, 2000, 39, 8017-8025.	1.2	31
139	Purification, cloning and characterization of a GPI inositol deacylase from Trypanosoma brucei. EMBO Journal, 2001, 20, 4923-4934.	3.5	31
140	Cloning and characterisation of the UDP-glucose 4â€²-epimerase of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2003, 132, 47-53.	0.5	31
141	Structural studies on a lipoarabinogalactan of Crithidia fasciculata. Biochemical Journal, 1996, 313, 963-971.	1.7	30
142	Identification, subcellular localization, biochemical properties, and high-resolution crystal structure of Trypanosoma brucei UDP-glucose pyrophosphorylase. Glycobiology, 2010, 20, 1619-1630.	1.3	30
143	Characterization, Localization, Essentiality, and High-Resolution Crystal Structure of Glucosamine 6-Phosphate N -Acetyltransferase from Trypanosoma brucei. Eukaryotic Cell, 2011, 10, 985-997.	3.4	30
144	The detection of phosphonolipids in the protozoan Trypanosoma cruzi. Biochemical Journal, 1982, 207, 171-174.	1.7	29

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145	The glycoinositol-phospholipids of Phytomonas. Biochemical Journal, 1995, 311, 495-503.	1.7	29
146	Parasite glycoconjugates. Part 4. Chemical synthesis of disaccharide and phosphorylated oligosaccharide fragments of Leishmania donovani antigenic lipophosphoglycan. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1977.	0.9	29
147	Transformation of monomorphic Trypanosoma brucei bloodstream form trypomastigotes into procyclic forms at 37Â°C by removing glucose from the culture medium. Molecular and Biochemical Parasitology, 1998, 94, 99-112.	0.5	29
148	Phosphoglucomutase is absent in Trypanosoma brucei and redundantly substituted by phosphomannomutase and phosphoâ€Nâ€acetylglucosamine mutase. Molecular Microbiology, 2012, 85, 513-534.	1.2	29
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