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	Visualisation of experimentally determined and predicted protein N-glycosylation and predicted glycosylphosphatidylinositol anchor addition in Trypanosoma brucei.. Wellcome Open Research, 2022, 7, 33.	0.9	1
2	Visualisation of proteome-wide ordered protein abundances in Trypanosoma brucei. Wellcome Open Research, 2022, 7, 34.	0.9	18
3	Roles of Glycans in Protozoal Host-Parasite Interactions. , 2022, , .		0
4	The Leishmania donovani Ortholog of the Glycosylphosphatidylinositol Anchor Biosynthesis Cofactor PBN1 Is Essential for Host Infection. MBio, 2022, , e0043322.	1.8	2
5	Polysomal mRNA Association and Gene Expression in Trypanosoma brucei. Wellcome Open Research, 2021, 6, 36.	0.9	2
6	Nucleotide sugar biosynthesis occurs in the glycosomes of procyclic and bloodstream form Trypanosoma brucei. PLoS Neglected Tropical Diseases, 2021, 15, e0009132.	1.3	9
7	Proteomic identification of the UDP-GlcNAc: PI Î±1â€“6 GlcNAc-transferase subunits of the glycosylphosphatidylinositol biosynthetic pathway of Trypanosoma brucei. PLoS ONE, 2021, 16, e0244699.	1.1	4
8	Multiple unbiased approaches identify oxidosqualene cyclase as the molecular target of a promising anti-leishmanial. Cell Chemical Biology, 2021, 28, 711-721.e8.	2.5	11
9	Elimination of GPI2 suppresses glycosylphosphatidylinositol GlcNAc transferase activity and alters GPI glycan modification in Trypanosoma brucei. Journal of Biological Chemistry, 2021, 297, 100977.	1.6	5
10	A broadly active fucosyltransferase LmjFUT1 whose mitochondrial localization and activity are essential in parasitic Leishmania. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
11	An essential, kinetoplastid-specific GDP-Fuc: Î²-D-Gal Î±-1,2-fucosyltransferase is located in the mitochondrion of Trypanosoma brucei. ELife, 2021, 10, .	2.8	11
12	A Trypanosoma brucei Î²3 glycosyltransferase superfamily gene encodes a Î²1-6 GlcNAc-transferase mediating N-glycan and GPI anchor modification. Journal of Biological Chemistry, 2021, 297, 101153.	1.6	3
13	Organizational Innovation for Developing New Medicines That Target Aging and Age-Related Conditions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 87-88.	1.7	1
14	Setting Our Sights on Infectious Diseases. ACS Infectious Diseases, 2020, 6, 3-13.	1.8	17
15	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
16	A mechanism-inspired UDP-N-acetylglucosamine pyrophosphorylase inhibitor. RSC Chemical Biology, 2020, 1, 13-25.	2.0	20
17	Trypanosoma cruzi Phosphomannomutase and Guanosine Diphosphate-Mannose Pyrophosphorylase Ligandability Assessment. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	8
18	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

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19	Reprogramming of Trypanosoma cruzi metabolism triggered by parasite interaction with the host cell extracellular matrix. PLoS Neglected Tropical Diseases, 2019, 13, e0007103.	1.3	23
20	Pharmacological Validation of N-Myristoyltransferase as a Drug Target in Leishmania donovani. ACS Infectious Diseases, 2019, 5, 111-122.	1.8	55
21	Proteome turnover in the bloodstream and procyclic forms of Trypanosoma brucei measured by quantitative proteomics. Wellcome Open Research, 2019, 4, 152.	0.9	27
22	Proteomic Analysis of the Cell Cycle of Procylic Form Trypanosoma brucei. Molecular and Cellular Proteomics, 2018, 17, 1184-1195.	2.5	36
23	Gluconeogenesis using glycerol as a substrate in bloodstream-form Trypanosoma brucei. PLoS Pathogens, 2018, 14, e1007475.	2.1	32
24	The mRNA cap methyltransferase gene TbCMT1 is not essential in vitro but is a virulence factor in vivo for bloodstream form Trypanosoma brucei. PLoS ONE, 2018, 13, e0201263.	1.1	2
25	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. Nature, 2018, 560, 192-197.	13.7	112
26	African trypanosomes evade immune clearance by O-glycosylation of the VSG surface coat. Nature Microbiology, 2018, 3, 932-938.	5.9	47
27	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
28	Anti-trypanosomatid drug discovery: an ongoing challenge and a continuing need. Nature Reviews Microbiology, 2017, 15, 217-231.	13.6	315
29	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in Euglena gracilis membranes. Carbohydrate Research, 2017, 438, 26-38.	1.1	15
30	Single-subunit oligosaccharyltransferases of Trypanosoma brucei display different and predictable peptide acceptor specificities. Journal of Biological Chemistry, 2017, 292, 20328-20341.	1.6	14
31	Genetic metabolic complementation establishes a requirement for GDP-fucose in Leishmania. Journal of Biological Chemistry, 2017, 292, 10696-10708.	1.6	18
32	Prediction of Protein Complexes in Trypanosoma brucei by Protein Correlation Profiling Mass Spectrometry and Machine Learning. Molecular and Cellular Proteomics, 2017, 16, 2254-2267.	2.5	24
33	Proteomic Identification of Immunodiagnostic Antigens for Trypanosoma vivax Infections in Cattle and Generation of a Proof-of-Concept Lateral Flow Test Diagnostic Device. PLoS Neglected Tropical Diseases, 2016, 10, e0004977.	1.3	20
34	A Gene of the Î²3-Glycosyltransferase Family Encodes N-Acetylglucosaminyltransferase II Function in Trypanosoma brucei. Journal of Biological Chemistry, 2016, 291, 13834-13845.	1.6	10
35	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
36	Parasite Glycobiology: A Bittersweet Symphony. PLoS Pathogens, 2015, 11, e1005169.	2.1	40

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37	Depletion of UDP-Glucose and UDP-Galactose Using a Degron System Leads to Growth Cessation of Leishmania major. PLoS Neglected Tropical Diseases, 2015, 9, e0004205.	1.3	24
38	Leishmania major UDP-sugar pyrophosphorylase salvages galactose for glycoconjugate biosynthesis. International Journal for Parasitology, 2015, 45, 783-790.	1.3	13
39	Identification of a glycosylphosphatidylinositol anchor-modifying Î²1-3 galactosyltransferase in Trypanosoma brucei. Glycobiology, 2015, 25, 438-447.	1.3	16
40	Molecular control of irreversible bistability during trypanosome developmental commitment. Journal of Cell Biology, 2015, 211, 455-468.	2.3	46
41	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. Nucleic Acids Research, 2015, 43, D637-D644.	6.5	35
42	Evaluation of the Diagnostic Accuracy of Prototype Rapid Tests for Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2014, 8, e3373.	1.3	34
43	Proteomic Selection of Immunodiagnostic Antigens for Trypanosoma congolense. PLoS Neglected Tropical Diseases, 2014, 8, e2936.	1.3	12
44	Identification of sVSG117 as an Immunodiagnostic Antigen and Evaluation of a Dual-Antigen Lateral Flow Test for the Diagnosis of Human African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2014, 8, e2976.	1.3	15
45	Identification and Functional Characterization of a Highly Divergent N-Acetylglucosaminyltransferase I (TbGnTI) in Trypanosoma brucei. Journal of Biological Chemistry, 2014, 289, 9328-9339.	1.6	19
46	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
47	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
48	Probing the substrate specificity ofTrypanosoma bruceiGlcNAc-PI de-N-acetylase with synthetic substrate analogues. Organic and Biomolecular Chemistry, 2014, 12, 1919-1934.	1.5	6
49	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
50	TbGT8 is a bifunctional glycosyltransferase that elaborates N-linked glycans on a protein phosphatase AcP115 and a GPI-anchor modifying glycan in Trypanosoma brucei. Parasitology International, 2014, 63, 513-518.	0.6	11
51	Fragment screening reveals salicylic hydroxamic acid as an inhibitor of Trypanosoma brucei GPI GlcNAc-PI de-N-acetylase. Carbohydrate Research, 2014, 387, 54-58.	1.1	11
52	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
53	Genetic and structural validation of <scp>A</scp>spergillus fumigatusâ€…<scp>UDP</scp>â€<scp>N</scp>â€acetylglucosamine pyrophosphorylase as an antifungal target. Molecular Microbiology, 2013, 89, 479-493.	1.2	29
54	A Novel Allosteric Inhibitor of the Uridine Diphosphate N-Acetylglucosamine Pyrophosphorylase from Trypanosoma brucei. ACS Chemical Biology, 2013, 8, 1981-1987.	1.6	23

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55	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
56	Exploring the Trypanosoma brucei Hsp83 Potential as a Target for Structure Guided Drug Design. PLoS Neglected Tropical Diseases, 2013, 7, e2492.	1.3	34
57	Genetic and structural validation of Aspergillus fumigatus N-acetylphosphoglucosamine mutase as an antifungal target. Bioscience Reports, 2013, 33, .	1.1	22
58	Structure of a Complex Phosphoglycan Epitope from gp72 of Trypanosoma cruzi. Journal of Biological Chemistry, 2013, 288, 11093-11105.	1.6	23
59	Creation and Characterization of Glycosyltransferase Mutants of Trypanosoma brucei. Methods in Molecular Biology, 2013, 1022, 249-275.	0.4	6
60	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
61	The lipid-linked oligosaccharide donor specificities of Trypanosoma brucei oligosaccharyltransferases. Glycobiology, 2012, 22, 696-703.	1.3	22
62	Chemical Proteomic Analysis Reveals the Drugability of the Kinome of Trypanosoma brucei. ACS Chemical Biology, 2012, 7, 1858-1865.	1.6	53
63	The de novo and salvage pathways of GDPâ€mannose biosynthesis are both sufficient for the growth of bloodstreamâ€form Trypanosoma brucei. Molecular Microbiology, 2012, 84, 340-351.	1.2	21
64	Discovery of a Novel Class of Orally Active Trypanocidal N-Myristoyltransferase Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 140-152.	2.9	102
65	Comparative SILAC Proteomic Analysis of Trypanosoma brucei Bloodstream and Procyclic Lifecycle Stages. PLoS ONE, 2012, 7, e36619.	1.1	147
66	Inhibitors Incorporating Zincâ€Binding Groups Target the GlcNAcâ€PI deâ€Nâ€acetylase in Trypanosoma brucei, the Causative Agent of African Sleeping Sickness. Chemical Biology and Drug Design, 2012, 79, 270-278.	1.5	7
67	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
68	Deep Evolutionary Conservation of an Intramolecular Protein Kinase Activation Mechanism. PLoS ONE, 2012, 7, e29702.	1.1	19
69	Probing Elongating and Branching Î²-d-Galactosyltransferase Activities in Leishmania Parasites by Making Use of Synthetic Phosphoglycans. ACS Chemical Biology, 2011, 6, 648-657.	1.6	5
70	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
71	Investigation of copper(II) tetrafluoroborate catalysed epoxide opening. Tetrahedron Letters, 2011, 52, 7091-7094.	0.7	12
72	Synthesis of potential metal-binding group compounds to examine the zinc dependency of the GPI de-N-acetylase metalloenzyme in Trypanosoma brucei. Carbohydrate Research, 2011, 346, 708-714.	1.1	7

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73	Protein O-GlcNAcylation Is Required for Fibroblast Growth Factor Signaling in Drosophila. Science Signaling, 2011, 4, ra89.	1.6	24
74	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
75	Chemical Structure of Trichomonas vaginalis Surface Lipoglycan. Journal of Biological Chemistry, 2011, 286, 40494-40508.	1.6	38
76	Myristoyl-CoA:protein N-myristoyltransferase depletion in trypanosomes causes avirulence and endocytic defects. Molecular and Biochemical Parasitology, 2010, 169, 55-58.	0.5	55
77	Glycotyping of Trypanosoma brucei variant surface glycoprotein MITat1.8. Molecular and Biochemical Parasitology, 2010, 174, 74-77.	0.5	14
78	N-myristoyltransferase inhibitors as new leads to treat sleeping sickness. Nature, 2010, 464, 728-732.	13.7	272
79	Identification, subcellular localization, biochemical properties, and high-resolution crystal structure of Trypanosoma brucei UDP-glucose pyrophosphorylase. Glycobiology, 2010, 20, 1619-1630.	1.3	30
80	Application of electrospray mass spectrometry to the structural determination of glycosylphosphatidylinositol membrane anchors. Glycobiology, 2010, 20, 576-585.	1.3	9
81	Prophossi: automating expert validation of phosphopeptideâ€“spectrum matches from tandem mass spectrometry. Bioinformatics, 2010, 26, 2153-2159.	1.8	18
82	A Multidimensional Strategy to Detect Polypharmacological Targets in the Absence of Structural and Sequence Homology. PLoS Computational Biology, 2010, 6, e1000648.	1.5	72
83	Stoichiometric Quantification of Akt Phosphorylation Using LC-MS/MS. Journal of Proteome Research, 2010, 9, 743-751.	1.8	24
84	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
85	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
86	Fate of Glycosylphosphatidylinositol (GPI)-Less Procyclin and Characterization of Sialylated Non-GPI-Anchored Surface Coat Molecules of Procyclic-Form Trypanosoma brucei. Eukaryotic Cell, 2009, 8, 1407-1417.	3.4	26
87	The Phosphoproteome of Bloodstream Form Trypanosoma brucei, Causative Agent of African Sleeping Sickness. Molecular and Cellular Proteomics, 2009, 8, 1527-1538.	2.5	154
88	Chapter 3 The GlcNAcâ€PI deâ€Nâ€acetylase. The Enzymes, 2009, , 49-64.	0.7	4
89	Identification and Specific Localization of Tyrosine-Phosphorylated Proteins in Trypanosoma brucei. Eukaryotic Cell, 2009, 8, 617-626.	3.4	37
90	Proteomic scale high-sensitivity analyses of GPI membrane anchors. Glycoconjugate Journal, 2009, 26, 915-921.	1.4	10

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91	Identification of a glycosylphosphatidylinositol anchorâ€modifying Î²1â€3 Nâ€acetylglucosaminyl transferase in Trypanosoma brucei. Molecular Microbiology, 2009, 71, 478-491.	1.2	35
92	Distinct donor and acceptor specificities of Trypanosoma brucei oligosaccharyltransferases. EMBO Journal, 2009, 28, 2650-2661.	3.5	96
93	Synthesis of 1-d-6-O-[2-(N-hydroxyaminocarbonyl)amino-2-deoxy-Î±-d-glucopyranosyl]-myo-inositol 1-(n-octadecyl phosphate): a potential metalloenzyme inhibitor of glycosylphosphatidylinositol biosynthesis. Carbohydrate Research, 2008, 343, 1478-1481.	1.1	6
94	Probing Trypanosoma brucei Glycosylphosphatidylinositol Biosynthesis Using Novel Precursorâ€Analogues. Chemical Biology and Drug Design, 2008, 72, 127-132.	1.5	8
95	GPIs on a chip. Nature Chemical Biology, 2008, 4, 223-224.	3.9	6
96	Probing Enzymes Late in the Trypanosomal Glycosylphosphatidylinositol Biosynthetic Pathway with Synthetic Glycosylphosphatidylinositol Analogues. ACS Chemical Biology, 2008, 3, 625-634.	1.6	26
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	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
99	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
100	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
101	Sugar Nucleotide Pools of Trypanosoma brucei, Trypanosoma cruzi, and Leishmania major. Eukaryotic Cell, 2007, 6, 1450-1463.	3.4	128
102	Structure of the glycosylphosphatidylinositol anchor of the Trypanosoma brucei transferrin receptor. Molecular and Biochemical Parasitology, 2007, 151, 220-223.	0.5	21
103	The Chemical Synthesis of Glycosylphosphatidylinositol Anchors from Trypanosoma cruzi Trypomastigote Mucins. ACS Symposium Series, 2007, , 285-306.	0.5	4
104	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
105	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
106	Trypanosoma bruceiUDP-galactose-4â€²-epimerase in ternary complex with NAD+and the substrate analogue UDP-4-deoxy-4-fluoro-Î±-D-galactose. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 829-834.	0.7	16
107	Hypomorphic promoter mutation in PIGM causes inherited glycosylphosphatidylinositol deficiency. Nature Medicine, 2006, 12, 846-851.	15.2	196
108	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

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109	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
110	Characterization of the glycosylphosphatidylinositol anchor of the immunodominant Cryptosporidium parvum 17-kDa antigen. Molecular and Biochemical Parasitology, 2006, 149, 108-112.	0.5	13
111	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
112	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
113	Synthetic Glycovaccine Protects against the Bite ofLeishmaniaâ€Infected Sand Flies. Journal of Infectious Diseases, 2006, 194, 512-518.	1.9	54
114	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
115	Fatty Acids from Plasmodium falciparum Down-Regulate the Toxic Activity of Malaria Glycosylphosphatidylinositols. Infection and Immunity, 2006, 74, 5487-5496.	1.0	35
116	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
117	The proteome of Trypanosoma cruzi shed vesicles involved in host immunomodulation and cell invasion. FASEB Journal, 2006, 20, A514.	0.2	1
118	Synthesis of a cell-permeable analogue of a glycosylphosphatidylinositol (GPI) intermediate that is toxic to the living bloodstream form of Trypanosoma brucei. Tetrahedron Letters, 2005, 46, 7419-7421.	0.7	7
119	Mannosamine can replace glucosamine in glycosylphosphatidylinositols of Plasmodium falciparum in vitro. Molecular and Biochemical Parasitology, 2005, 142, 12-24.	0.5	4
120	Synthetic Fragments of Antigenic Lipophosphoglycans fromLeishmania major andLeishmania mexicana and Their Use for Characterisation of theLeishmania Elongating ?-D-Mannopyranosylphosphate Transferase. Chemistry - A European Journal, 2005, 11, 2019-2030.	1.7	24
121	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
122	Structural Characterization of NETNES, a Novel Glycoconjugate in Trypanosoma cruzi Epimastigotes. Journal of Biological Chemistry, 2005, 280, 12201-12211.	1.6	48
123	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
124	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
125	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
126	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

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127	Trypanosoma brucei Glycoproteins Contain Novel Giant Poly-N-acetyllactosamine Carbohydrate Chains. Journal of Biological Chemistry, 2005, 280, 865-871.	1.6	69
128	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
129	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
130	A robust and selective method for the quantification of glycosylphosphatidylinositols in biological samples. Glycobiology, 2004, 15, 131-138.	1.3	20
131	Sphingolipid-free Leishmania are defective in membrane trafficking, differentiation and infectivity. Molecular Microbiology, 2004, 52, 313-327.	1.2	90
132	Chemical validation of GPI biosynthesis as a drug target against African sleeping sickness. EMBO Journal, 2004, 23, 4701-4708.	3.5	71
133	Transmission of cutaneous leishmaniasis by sand flies is enhanced by regurgitation of fPPG. Nature, 2004, 430, 463-467.	13.7	234
134	The synthesis of some deoxygenated analogues of early intermediates in the biosynthesis of glycosylphosphatidylinositol (GPI) membrane anchors. Carbohydrate Research, 2004, 339, 1263-1277.	1.1	7
135	Synthesis of potential bisubstrate inhibitors of Leishmania elongating Î±-d-mannosyl phosphate transferase. Tetrahedron Letters, 2004, 45, 857-862.	0.7	16
136	In Vitro Biosynthesis of Glycosylphosphatidylinositol inAspergillus fumigatusâ€. Biochemistry, 2004, 43, 15267-15275.	1.2	16
137	The N-glycan glucosidase system in Trypanosoma brucei. Biochemical Society Transactions, 2004, 32, 766-768.	1.6	6
138	Cloning and characterisation of the UDP-glucose 4â€²-epimerase of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2003, 132, 47-53.	0.5	31
139	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
140	Deletion of theGPIdeAcGene Alters the Location and Fate of Glycosylphosphatidylinositol Precursors inTrypanosoma bruceiâ€. Biochemistry, 2003, 42, 14532-14540.	1.2	15
141	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
142	Characterization of a Low Molecular Weight Glycolipid Antigen from Cryptosporidium parvum. Journal of Biological Chemistry, 2003, 278, 52212-52222.	1.6	23
143	Structures of the glycosylphosphatidylinositol membrane anchors from Aspergillus fumigatus membrane proteins. Glycobiology, 2003, 13, 169-177.	1.3	73
144	Partial Structure of Glutamic Acid and Alanine-rich Protein, a Major Surface Glycoprotein of the Insect Stages ofTrypanosoma congolense. Journal of Biological Chemistry, 2002, 277, 48899-48904.	1.6	24

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145	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
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