Michael D Urbaniak

List of Publications by Year
in descending order

51	1,406	331670 21	361022 35
papers	citations	h-index	g-index

59	59	59	1836
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	3.7	172
2	Comparative SILAC Proteomic Analysis of Trypanosoma brucei Bloodstream and Procyclic Lifecycle Stages. PLoS ONE, 2012, 7, e36619.	2.5	147
3	Cyclin-dependent kinase 12 is a drug target for visceral leishmaniasis. Nature, 2018, 560, 192-197.	27.8	112
4	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.	3.7	92
5	A Multidimensional Strategy to Detect Polypharmacological Targets in the Absence of Structural and Sequence Homology. PLoS Computational Biology, 2010, 6, e1000648.	3.2	72
6	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.	6.4	56
7	Chemical Proteomic Analysis Reveals the Drugability of the Kinome of Trypanosoma brucei. ACS Chemical Biology, 2012, 7, 1858-1865.	3.4	53
8	Molecular control of irreversible bistability during trypanosome developmental commitment. Journal of Cell Biology, 2015, 211, 455-468.	5.2	46
9	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
10	The N-Acetyl-D-glucosaminylphosphatidylinositol De-N-acetylase of Glycosylphosphatidylinositol Biosynthesis Is a Zinc Metalloenzyme. Journal of Biological Chemistry, 2005, 280, 22831-22838.	3.4	38
11	Solution Structure of a Novel Chromoprotein Derived from Apo-Neocarzinostatin and a Synthetic Chromophoreâ€. Biochemistry, 2002, 41, 11731-11739.	2.5	37
12	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.	2.2	37
13	TrypanoCyc: a community-led biochemical pathways database for Trypanosoma brucei. Nucleic Acids Research, 2015, 43, D637-D644.	14.5	35
14	Proteinâ€“Small Molecule Interactions in Neocarzinostatin, the Prototypical Enediyne Chromoprotein Antibiotic. ChemBioChem, 2007, 8, 704-717.	2.6	34
15	Genomic and Proteomic Studies on the Mode of Action of Oxaboroles against the African Trypanosome. PLoS Neglected Tropical Diseases, 2015, 9, e0004299.	3.0	34
16	Design and Synthesis of a Nitrogen Mustard Derivative Stabilized by Apo-neocarzinostatin. Journal of Medicinal Chemistry, 2004, 47, 4710-4715.	6.4	33
17	Organising the cell cycle in the absence of transcriptional control: Dynamic phosphorylation co-ordinates the Trypanosoma brucei cell cycle post-transcriptionally. PLoS Pathogens, 2019, 15, e1008129.	4.7	33
18	Casein kinase 1 isoform 2 is essential for bloodstream form Trypanosoma brucei. Molecular and Biochemical Parasitology, 2009, 166, 183-185.	1.1	30

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19	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.	2.5	29
20	Probing Enzymes Late in the Trypanosomal Glycosylphosphatidylinositol Biosynthetic Pathway with Synthetic Glycosylphosphatidylinositol Analogues. ACS Chemical Biology, 2008, 3, 625-634.	3.4	26
21	Cell cycle synchronisation of Trypanosoma brucei by centrifugal counter-flow elutriation reveals the timing of nuclear and kinetoplast DNA replication. Scientific Reports, 2017, 7, 17599.	3.3	25
22	A Novel Allosteric Inhibitor of the Uridine Diphosphate N-Acetylglucosamine Pyrophosphorylase from Trypanosoma brucei. ACS Chemical Biology, 2013, 8, 1981-1987.	3.4	23
23	Re-evaluation of Diadenosine Tetraphosphate (Ap4A) From a Stress Metabolite to Bona Fide Secondary Messenger. Frontiers in Molecular Biosciences, 2020, 7, 606807.	3.5	23
24	A mechanism-inspired UDP-N-acetylglucosamine pyrophosphorylase inhibitor. RSC Chemical Biology, 2020, 1, 13-25.	4.1	20
25	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
26	The Dictyostelium prestalk inducer differentiation-inducing factor-1 (DIF-1) triggers unexpectedly complex global phosphorylation changes. Molecular Biology of the Cell, 2015, 26, 805-820.	2.1	15
27	Fluorescent mannosides serve as acceptor substrates for glycosyltransferase and sugar-1-phosphate transferase activities in Euglena gracilis membranes. Carbohydrate Research, 2017, 438, 26-38.	2.3	15
28	Fragment screening reveals salicylic hydroxamic acid as an inhibitor of Trypanosoma brucei GPI GlcNAc-PI de-N-acetylase. Carbohydrate Research, 2014, 387, 54-58.	2.3	11
29	Phosphoproteomic analysis of mammalian infective Trypanosoma brucei subjected to heat shock suggests atypical mechanisms for thermotolerance. Journal of Proteomics, 2020, 219, 103735.	2.4	11
30	Extensive Translational Regulation through the Proliferative Transition of Trypanosoma cruzi Revealed by Multi-Omics. MSphere, 2021, 6, e0036621.	2.9	10
31	Dynamic regulation of the Trypanosoma brucei transferrin receptor in response to iron starvation is mediated via the 3â€™UTR. PLoS ONE, 2018, 13, e0206332.	2.5	9
32	Probing Trypanosoma brucei Glycosylphosphatidylinositol Biosynthesis Using Novel Precursorâ€Analogues. Chemical Biology and Drug Design, 2008, 72, 127-132.	3.2	8
33	LGAAP: Leishmaniinae Genome Assembly and Annotation Pipeline. Microbiology Resource Announcements, 2021, 10, e0043921.	0.6	8
34	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.	2.3	7
35	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.	3.2	7
36	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.	2.3	6

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37	Probing the substrate specificity ofTrypanosoma bruceiGlcNAc-PI de-N-acetylase with synthetic substrate analogues. Organic and Biomolecular Chemistry, 2014, 12, 1919-1934.	2.8	6
38	Chemical synthesis and cytotoxicity of dihydroxylated cyclopentenone analogues of neocarzinostatin chromophore. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2025-2027.	2.2	5
39	Chromosome-Scale Assembly of the Complete Genome Sequence of Leishmania (Mundinia) Tj ETQq1 1 0.784314 rgBT /C e0005821.	0.6	5
40	Chromosome-scale genome sequencing, assembly and annotation of six genomes from subfamily Leishmaniinae. Scientific Data, 2021, 8, 234.	5.3	5
41	Chromosome-Scale Assembly of the Complete Genome Sequence of Leishmania (Mundinia) orientalis, Isolate LSCM4, Strain LV768. Microbiology Resource Announcements, 2021, 10, e0057421.	0.6	5
42	Chapter 3 The GlcNAcâ€PI deâ€Nâ€acetylase. The Enzymes, 2009, , 49-64.	1.7	4
43	Chromosome-Scale Assembly of the Complete Genome Sequence of Leishmania (Mundinia) enriettii, Isolate CUR178, Strain LV763. Microbiology Resource Announcements, 2021, 10, e0057521.	0.6	2
44	Development of Chemical Proteomics for the Folateome and Analysis of the Kinetoplastid Folateome. ACS Infectious Diseases, 2018, 4, 1475-1486.	3.8	1
45	Chromosome-Scale Assembly of the Complete Genome Sequence of Porcisia hertigi, Isolate C119, Strain LV43. Microbiology Resource Announcements, 2021, 10, e0065121.	0.6	1
46	Chromosome-Scale Assembly of the Complete Genome Sequence of Leishmania (Mundinia) sp. Ghana, Isolate GH5, Strain LV757. Microbiology Resource Announcements, 2021, 10, e0059121.	0.6	0
47	Proteome-Wide Quantitative Phosphoproteomic Analysis of Trypanosoma brucei Insect and Mammalian Life Cycle Stages. Methods in Molecular Biology, 2020, 2116, 125-137.	0.9	0
48	Title is missing!. , 2019, 15, e1008129.		0
49	Title is missing!. , 2019, 15, e1008129.		0
50	Title is missing!. , 2019, 15, e1008129.		0
51	Title is missing!. , 2019, 15, e1008129.		0