

# Fiona Achcar

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

657  
citations

623734  
14  
h-index

794594  
19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Metabolic Network in Bloodstream-Form <i>Trypanosoma brucei</i> Using Untargeted Metabolomics with Stable Isotope Labelled Glucose. <i>PLoS Pathogens</i> , 2015, 11, e1004689.	4.7	128
2	mzMatchâ€“ISO: an R tool for the annotation and relative quantification of isotope-labelled mass spectrometry data. <i>Bioinformatics</i> , 2013, 29, 281-283.	4.1	91
3	Revisiting gametocyte biology in malaria parasites. <i>FEMS Microbiology Reviews</i> , 2019, 43, 401-414.	8.6	78
4	Handling Uncertainty in Dynamic Models: The Pentose Phosphate Pathway in <i>Trypanosoma brucei</i> . <i>PLoS Computational Biology</i> , 2013, 9, e1003371.	3.2	40
5	LCâ€“MS-based absolute metabolite quantification: application to metabolic flux measurement in trypanosomes. <i>Metabolomics</i> , 2015, 11, 1721-1732.	3.0	36
6	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.	14.5	35
7	Metabolomic profiling of macrophages determines the discrete metabolomic signature and metabolomic interactome triggered by polarising immune stimuli. <i>PLoS ONE</i> , 2018, 13, e0194126.	2.5	35
8	Benzoxaborole treatment perturbs S-adenosyl-L-methionine metabolism in <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006450.	3.0	33
9	Suramin exposure alters cellular metabolism and mitochondrial energy production in African trypanosomes. <i>Journal of Biological Chemistry</i> , 2020, 295, 8331-8347.	3.4	32
10	Modeling Challenges in the Synthetic Biology of Secondary Metabolism. <i>ACS Synthetic Biology</i> , 2013, 2, 373-378.	3.8	30
11	Dynamic Modelling under Uncertainty: The Case of <i>Trypanosoma brucei</i> Energy Metabolism. <i>PLoS Computational Biology</i> , 2012, 8, e1002352.	3.2	28
12	Deletion of transketolase triggers a stringent metabolic response in promastigotes and loss of virulence in amastigotes of <i>Leishmania mexicana</i> . <i>PLoS Pathogens</i> , 2018, 14, e1006953.	4.7	18
13	Mapping the metabolism of five amino acids in bloodstream form <i>Trypanosoma brucei</i> using U-13C-labelled substrates and LCâ€“MS. <i>Bioscience Reports</i> , 2019, 39, .	2.4	17
14	<i>Plasmodium falciparum</i> Gametocyte Density and Infectivity in Peripheral Blood and Skin Tissue of Naturally Infected Parasite Carriers in Burkina Faso. <i>Journal of Infectious Diseases</i> , 2021, 223, 1822-1830.	4.0	17
15	Explicit consideration of topological and parameter uncertainty gives new insights into a wellâ€“established model of glycolysis. <i>FEBS Journal</i> , 2013, 280, 4640-4651.	4.7	15
16	<i>Trypanosoma brucei</i> : meet the system. <i>Current Opinion in Microbiology</i> , 2014, 20, 162-169.	5.1	10
17	Running on Empty: A Metabolomics Approach to Investigating Changing Energy Metabolism during Fasted Exercise and Rest. <i>Metabolites</i> , 2020, 10, 399.	2.9	7
18	The Silicon Trypanosome. <i>Advances in Microbial Physiology</i> , 2014, 64, 115-143.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Transcriptional differentiation of <i>Trypanosoma brucei</i> during in vitro acquisition of resistance to acoziborole. PLoS Neglected Tropical Diseases, 2021, 15, e0009939.	3.0	2