

# Marc Biran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7963980/publications.pdf>

Version: 2024-02-01

24  
papers

1,379  
citations

361413

20  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1109  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic selection of a homologous recombination-mediated gene loss protects <i>Trypanosoma brucei</i> from ROS production by glycosomal fumarate reductase. <i>Journal of Biological Chemistry</i> , 2021, 296, 100548.	3.4	4
2	Procyclic trypanosomes recycle glucose catabolites and TCA cycle intermediates to stimulate growth in the presence of physiological amounts of proline. <i>PLoS Pathogens</i> , 2021, 17, e1009204.	4.7	16
3	Fatty acid oxidation participates in resistance to nutrient-depleted environments in the insect stages of <i>Trypanosoma cruzi</i> . <i>PLoS Pathogens</i> , 2021, 17, e1009495.	4.7	9
4	Glycerol suppresses glucose consumption in trypanosomes through metabolic contest. <i>PLoS Biology</i> , 2021, 19, e3001359.	5.6	7
5	Gluconeogenesis is essential for trypanosome development in the tsetse fly vector. <i>PLoS Pathogens</i> , 2018, 14, e1007502.	4.7	34
6	Glycerol supports growth of the <i>Trypanosoma brucei</i> bloodstream forms in the absence of glucose: Analysis of metabolic adaptations on glycerol-rich conditions. <i>PLoS Pathogens</i> , 2018, 14, e1007412.	4.7	32
7	De novo biosynthesis of sterols and fatty acids in the <i>Trypanosoma brucei</i> procyclic form: Carbon source preferences and metabolic flux redistributions. <i>PLoS Pathogens</i> , 2018, 14, e1007116.	4.7	27
8	Proline Metabolism is Essential for <i>Trypanosoma brucei brucei</i> Survival in the Tsetse Vector. <i>PLoS Pathogens</i> , 2017, 13, e1006158.	4.7	107
9	Combining reverse genetics and nuclear magnetic resonance-based metabolomics unravels trypanosome-specific metabolic pathways. <i>Molecular Microbiology</i> , 2015, 96, 917-926.	2.5	28
10	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
11	Contribution of Pyruvate Phosphate Dikinase in the Maintenance of the Glycosomal ATP/ADP Balance in the <i>Trypanosoma brucei</i> Procyclic Form. <i>Journal of Biological Chemistry</i> , 2014, 289, 17365-17378.	3.4	37
12	The threonine degradation pathway of the <i>Trypanosoma brucei</i> procyclic form: the main carbon source for lipid biosynthesis is under metabolic control. <i>Molecular Microbiology</i> , 2013, 90, 114-129.	2.5	58
13	Cytosolic NADPH Homeostasis in Glucose-starved Procyclic <i>Trypanosoma brucei</i> Relies on Malic Enzyme and the Pentose Phosphate Pathway Fed by Gluconeogenic Flux. <i>Journal of Biological Chemistry</i> , 2013, 288, 18494-18505.	3.4	61
14	Revisiting the Central Metabolism of the Bloodstream Forms of <i>Trypanosoma brucei</i> : Production of Acetate in the Mitochondrion Is Essential for Parasite Viability. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2587.	3.0	89
15	ATP Synthesis-coupled and -uncoupled Acetate Production from Acetyl-CoA by Mitochondrial Acetate:Succinate CoA-transferase and Acetyl-CoA Thioesterase in <i>Trypanosoma</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 17186-17197.	3.4	39
16	Ablation of Succinate Production from Glucose Metabolism in the Procyclic Trypanosomes Induces Metabolic Switches to the Glycerol 3-Phosphate/Dihydroxyacetone Phosphate Shuttle and to Proline Metabolism. <i>Journal of Biological Chemistry</i> , 2010, 285, 32312-32324.	3.4	35
17	Acetate produced in the mitochondrion is the essential precursor for lipid biosynthesis in procyclic trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12694-12699.	7.1	72
18	Alanine aminotransferase of <i>Trypanosoma brucei</i> "a key role in proline metabolism in procyclic life forms. <i>FEBS Journal</i> , 2009, 276, 7187-7199.	4.7	32

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19	Glucose-induced Remodeling of Intermediary and Energy Metabolism in Procyclic Trypanosoma brucei. Journal of Biological Chemistry, 2008, 283, 16342-16354.	3.4	113
20	Fumarate Is an Essential Intermediary Metabolite Produced by the Procyclic Trypanosoma brucei. Journal of Biological Chemistry, 2006, 281, 26832-26846.	3.4	53
21	A Mitochondrial NADH-dependent Fumarate Reductase Involved in the Production of Succinate Excreted by Procyclic Trypanosoma brucei. Journal of Biological Chemistry, 2005, 280, 16559-16570.	3.4	87
22	Acetyl:Succinate CoA-transferase in Procyclic Trypanosoma brucei. Journal of Biological Chemistry, 2004, 279, 45337-45346.	3.4	92
23	ATP Generation in the Trypanosoma brucei Procyclic Form. Journal of Biological Chemistry, 2003, 278, 49625-49635.	3.4	89
24	Succinate Secreted by Trypanosoma brucei Is Produced by a Novel and Unique Glycosomal Enzyme, NADH-dependent Fumarate Reductase. Journal of Biological Chemistry, 2002, 277, 38001-38012.	3.4	127