

Peter BÃ¼tikofer

List of Publications by Year in descending order

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60
papers

6,208
citations

331670

21
h-index

149698

56
g-index

64
all docs

64
docs citations

64
times ranked

15699
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistence of <i>Trypanosoma brucei</i> as early procyclic forms and social motility are dependent on glycosylphosphatidylinositol transamidase. <i>Molecular Microbiology</i> , 2022, 117, 802-817.	2.5	2
2	Identification of TbPBN1 in <i>Trypanosoma brucei</i> reveals a conserved heterodimeric architecture for glycosylphosphatidylinositol-mannosyltransferase. <i>Molecular Microbiology</i> , 2022, 117, 450-461.	2.5	3
3	StaR-related lipid transfer-like domain-containing protein CLDP43 affects cardiolipin synthesis and mitochondrial function in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2022, 17, e0259752.	2.5	0
4	The endoplasmic reticulum membrane protein complex localizes to the mitochondrial - endoplasmic reticulum interface and its subunits modulate phospholipid biosynthesis in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2022, 18, e1009717.	4.7	4
5	Depletion of cardiolipin induces major changes in energy metabolism in <i>Trypanosoma brucei</i> bloodstream forms. <i>FASEB Journal</i> , 2021, 35, e21176.	0.5	8
6	Complexity of the eukaryotic dolichol-linked oligosaccharide scramblase suggested by activity correlation profiling mass spectrometry. <i>Scientific Reports</i> , 2021, 11, 1411.	3.3	13
7	Antiprotozoal Structure-Activity Relationships of Synthetic Leucino-statin Derivatives and Elucidation of their Mode of Action. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15613-15621.	13.8	7
8	Antiprotozoische Struktur-Aktivitäts-Beziehungen von synthetischen Leucino-statin-Derivaten und Aufklärung ihres Wirkprinzips. <i>Angewandte Chemie</i> , 2021, 133, 15741-15749.	2.0	0
9	Elimination of GPI2 suppresses glycosylphosphatidylinositol GlcNAc transferase activity and alters GPI glycan modification in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2021, 297, 100977.	3.4	5
10	Cellular and Molecular Targets of Nucleotide-Tagged Trithiolato-Bridged Arene Ruthenium Complexes in the Protozoan Parasites <i>Toxoplasma gondii</i> and <i>Trypanosoma brucei</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 10787.	4.1	13
11	A Conserved Mitochondrial Chaperone-Protease Complex Involved in Protein Homeostasis. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 767088.	3.5	0
12	Nonenzymatic synthesis of anomerically pure, mannosyl-based molecular probes for scramblase identification studies. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1732-1739.	2.2	1
13	Mitochondrial sphingosine-1-phosphate lyase is essential for phosphatidylethanolamine synthesis and survival of <i>Trypanosoma brucei</i> . <i>Scientific Reports</i> , 2020, 10, 8268.	3.3	8
14	Anti-parasitic dinuclear thiolato-bridged arene ruthenium complexes alter the mitochondrial ultrastructure and membrane potential in <i>Trypanosoma brucei</i> bloodstream forms. <i>Experimental Parasitology</i> , 2019, 205, 107753.	1.2	17
15	Cardiolipin depletion-induced changes in the <i>Trypanosoma brucei</i> proteome. <i>FASEB Journal</i> , 2019, 33, 13161-13175.	0.5	11
16	TbLpn, a key enzyme in lipid droplet formation and phospholipid metabolism, is essential for mitochondrial integrity and growth of <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2018, 109, 105-120.	2.5	14
17	Determination of the formation rate of phosphatidylethanol by phospholipase D (PLD) in blood and test of two selective PLD inhibitors. <i>Alcohol</i> , 2018, 73, 1-7.	1.7	19
18	Transporters of <i>Trypanosoma brucei</i> phylogeny, physiology, pharmacology. <i>FEBS Journal</i> , 2018, 285, 1012-1023.	4.7	16

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19	Scrambling of natural and fluorescently tagged phosphatidylinositol by reconstituted G protein-coupled receptor and TMEM16 scramblases. <i>Journal of Biological Chemistry</i> , 2018, 293, 18318-18327.	3.4	20
20	A novel assay to measure scrambling of natural phospholipids in reconstituted proteoliposomes. <i>FASEB Journal</i> , 2018, 32, 815.7.	0.5	0
21	RFT1 Protein Affects Glycosylphosphatidylinositol (GPI) Anchor Glycosylation. <i>Journal of Biological Chemistry</i> , 2017, 292, 1103-1111.	3.4	14
22	H ⁺ -dependent inorganic phosphate uptake in <i>Trypanosoma brucei</i> is influenced by myo-inositol transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 183-194.	2.3	13
23	Light-independent phospholipid scramblase activity of bacteriorhodopsin from <i>Halobacterium salinarum</i> . <i>Scientific Reports</i> , 2017, 7, 9522.	3.3	24
24	TbIRK is a signature sequence free potassium channel from <i>Trypanosoma brucei</i> locating to acidocalcisomes. <i>Scientific Reports</i> , 2017, 7, 656.	3.3	13
25	Phosphatidylserine synthase 2 and phosphatidylserine decarboxylase are essential for aminophospholipid synthesis in <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2017, 104, 412-427.	2.5	12
26	Arginine and Lysine Transporters Are Essential for <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2017, 12, e0168775.	2.5	24
27	Cross-species complementation of bacterial- and eukaryotic-type cardiolipin synthases. <i>Microbial Cell</i> , 2017, 4, 376-383.	3.2	3
28	Identification and characterization of the three members of the CLC family of anion transport proteins in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2017, 12, e0188219.	2.5	3
29	Lipid topogenesis – 35 years on. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 757-766.	2.4	26
30	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
31	Phosphatidylethanolamine and phosphatidylcholine biosynthesis by the Kennedy pathway occurs at different sites in <i>Trypanosoma brucei</i> . <i>Scientific Reports</i> , 2015, 5, 16787.	3.3	52
32	A Glycosylation Mutant of <i>Trypanosoma brucei</i> Links Social Motility Defects <i>In Vitro</i> to Impaired Colonization of Tsetse Flies <i>In Vivo</i> . <i>Eukaryotic Cell</i> , 2015, 14, 588-592.	3.4	28
33	An Atypical Mitochondrial Carrier That Mediates Drug Action in <i>Trypanosoma brucei</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004875.	4.7	15
34	<i>Trypanosoma brucei</i> Bloodstream Forms Depend upon Uptake of myo-Inositol for Golgi Complex Phosphatidylinositol Synthesis and Normal Cell Growth. <i>Eukaryotic Cell</i> , 2015, 14, 616-624.	3.4	18
35	A heteromeric potassium channel involved in the modulation of the plasma membrane potential is essential for the survival of African trypanosomes. <i>FASEB Journal</i> , 2015, 29, 3228-3237.	0.5	21
36	Flagellar membranes are rich in raft-forming phospholipids. <i>Biology Open</i> , 2015, 4, 1143-1153.	1.2	27

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37	<i>Trypanosoma brucei</i> eflornithine transporter AAT6 is a low-affinity low-selective transporter for neutral amino acids. <i>Biochemical Journal</i> , 2014, 463, 9-18.	3.7	16
38	Autophagy in <i>Trypanosoma brucei</i> : Amino Acid Requirement and Regulation during Different Growth Phases. <i>PLoS ONE</i> , 2014, 9, e93875.	2.5	15
39	Characterization of choline uptake in <i>Trypanosoma brucei</i> procyclic and bloodstream forms. <i>Molecular and Biochemical Parasitology</i> , 2013, 190, 16-22.	1.1	13
40	Phosphatidylglycerophosphate synthase associates with a mitochondrial inner membrane complex and is essential for growth of <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2013, 87, 569-579.	2.5	26
41	The ins and outs of phosphatidylethanolamine synthesis in <i>Trypanosoma brucei</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 533-542.	2.4	19
42	Lipid synthesis in protozoan parasites: A comparison between kinetoplastids and apicomplexans. <i>Progress in Lipid Research</i> , 2013, 52, 488-512.	11.6	127
43	Glycoprotein Biosynthesis in a Eukaryote Lacking the Membrane Protein Rft1. <i>Journal of Biological Chemistry</i> , 2013, 288, 20616-20623.	3.4	28
44	myo-Inositol Uptake Is Essential for Bulk Inositol Phospholipid but Not Glycosylphosphatidylinositol Synthesis in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 13313-13323.	3.4	34
45	Ethanolamine phosphoglycerol attachment to eEF1A is not essential for normal growth of <i>Trypanosoma brucei</i> . <i>Scientific Reports</i> , 2012, 2, 254.	3.3	5
46	Eukaryotic Translation Elongation Factor 1A (eEF1A) Domain I from <i>S. cerevisiae</i> Is Required but Not Sufficient for Inter-Species Complementation. <i>PLoS ONE</i> , 2012, 7, e42338.	2.5	6
47	An essential bacterial-type cardiolipin synthase mediates cardiolipin formation in a eukaryote. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E954-61.	7.1	50
48	<i>Trypanosoma brucei</i> : a model microorganism to study eukaryotic phospholipid biosynthesis. <i>FEBS Journal</i> , 2011, 278, 1035-1046.	4.7	23
49	Unique modifications of translation elongation factors. <i>FEBS Journal</i> , 2011, 278, 2613-2624.	4.7	42
50	Lipid remodelling of glycosylphosphatidylinositol (GPI) glycoconjugates in procyclic-form trypanosomes: biosynthesis and processing of GPIs revisited. <i>Biochemical Journal</i> , 2010, 428, 409-418.	3.7	9
51	Lipid metabolism in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2010, 172, 66-79.	1.1	95
52	A Structural Domain Mediates Attachment of Ethanolamine Phosphoglycerol to Eukaryotic Elongation Factor 1A in <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2010, 5, e9486.	2.5	12
53	Major Surface Glycoproteins of Insect Forms of <i>Trypanosoma brucei</i> Are Not Essential for Cyclical Transmission by Tsetse. <i>PLoS ONE</i> , 2009, 4, e4493.	2.5	45
54	Perturbation of phosphatidylethanolamine synthesis affects mitochondrial morphology and cell cycle progression in procyclic form <i>Trypanosoma brucei</i> . <i>Molecular Microbiology</i> , 2009, 72, 1068-1079.	2.5	56

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55	Phosphatidylethanolamine in <i>Trypanosoma brucei</i> Is Organized in Two Separate Pools and Is Synthesized Exclusively by the Kennedy Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 23636-23644.	3.4	53
56	Phosphatidylethanolamine Is the Precursor of the Ethanolamine Phosphoglycerol Moiety Bound to Eukaryotic Elongation Factor 1A. <i>Journal of Biological Chemistry</i> , 2008, 283, 20320-20329.	3.4	44
57	Procyclin Null Mutants of <i>Trypanosoma brucei</i> Express Free Glycosylphosphatidylinositols on Their Surface. <i>Molecular Biology of the Cell</i> , 2003, 14, 1308-1318.	2.1	52
58	A major surface glycoprotein of <i>Trypanosoma brucei</i> is expressed transiently during development and can be regulated post-transcriptionally by glycerol or hypoxia. <i>Genes and Development</i> , 2000, 14, 615-626.	5.9	129
59	â€˜GPEETâ€™ procyclin is the major surface protein of procyclic culture forms of <i>Trypanosoma brucei</i> strain 427. <i>Biochemical Journal</i> , 1997, 326, 415-423.	3.7	77
60	Molecular species analysis of phospholipids from <i>Trypanosoma brucei</i> bloodstream and procyclic forms. <i>Molecular and Biochemical Parasitology</i> , 1993, 58, 97-105.	1.1	76