Peter BÃ¼tikofer

List of Publications by Year
in descending order

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	A major surface glycoprotein of Trypanosoma brucei is expressed transiently during development and can be regulated post-transcriptionally by glycerol or hypoxia. Genes and Development, 2000, 14, 615-626.	5.9	129
3	Lipid synthesis in protozoan parasites: A comparison between kinetoplastids and apicomplexans. Progress in Lipid Research, 2013, 52, 488-512.	11.6	127
4	Lipid metabolism in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2010, 172, 66-79.	1.1	95
5	â€˜GPEETâ€™ procyclin is the major surface protein of procyclic culture forms of Trypanosoma brucei brucei strain 427. Biochemical Journal, 1997, 326, 415-423.	3.7	77
6	Molecular species analysis of phospholipids from Trypanosoma brucei bloodstream and procyclic forms. Molecular and Biochemical Parasitology, 1993, 58, 97-105.	1.1	76
7	Perturbation of phosphatidylethanolamine synthesis affects mitochondrial morphology and cellâ€cycle progression in procyclicâ€form Trypanosoma brucei. Molecular Microbiology, 2009, 72, 1068-1079.	2.5	56
8	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.	3.4	53
9	Procyclin Null Mutants ofTrypanosoma bruceiExpress Free Glycosylphosphatidylinositols on Their Surface. Molecular Biology of the Cell, 2003, 14, 1308-1318.	2.1	52
10	Phosphatidylethanolamine and phosphatidylcholine biosynthesis by the Kennedy pathway occurs at different sites in Trypanosoma brucei. Scientific Reports, 2015, 5, 16787.	3.3	52
11	An essential bacterial-type cardiolipin synthase mediates cardiolipin formation in a eukaryote. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E954-61.	7.1	50
12	Major Surface Glycoproteins of Insect Forms of Trypanosoma brucei Are Not Essential for Cyclical Transmission by Tsetse. PLoS ONE, 2009, 4, e4493.	2.5	45
13	Phosphatidylethanolamine Is the Precursor of the Ethanolamine Phosphoglycerol Moiety Bound to Eukaryotic Elongation Factor 1A. Journal of Biological Chemistry, 2008, 283, 20320-20329.	3.4	44
14	Unique modifications of translation elongation factors. FEBS Journal, 2011, 278, 2613-2624.	4.7	42
15	myo-Inositol Uptake Is Essential for Bulk Inositol Phospholipid but Not Glycosylphosphatidylinositol Synthesis in Trypanosoma brucei. Journal of Biological Chemistry, 2012, 287, 13313-13323.	3.4	34
16	Glycoprotein Biosynthesis in a Eukaryote Lacking the Membrane Protein Rft1. Journal of Biological Chemistry, 2013, 288, 20616-20623.	3.4	28
17	A Glycosylation Mutant of Trypanosoma brucei Links Social Motility Defects In Vitro to Impaired Colonization of Tsetse Flies In Vivo. Eukaryotic Cell, 2015, 14, 588-592.	3.4	28
18	Flagellar membranes are rich in raft-forming phospholipids. Biology Open, 2015, 4, 1143-1153.	1.2	27

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19	Phosphatidylglycerophosphate synthase associates with a mitochondrial inner membrane complex and is essential for growth of <scp>T</scp>rypanosoma brucei. Molecular Microbiology, 2013, 87, 569-579.	2.5	26
20	Lipid topogenesis â€" 35 years on. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 757-766.	2.4	26
21	Light-independent phospholipid scramblase activity of bacteriorhodopsin from Halobacterium salinarum. Scientific Reports, 2017, 7, 9522.	3.3	24
22	Arginine and Lysine Transporters Are Essential for Trypanosoma brucei. PLoS ONE, 2017, 12, e0168775.	2.5	24
23	Trypanosomaâ€ƒbrucei: a model microâ€organism to study eukaryotic phospholipid biosynthesis. FEBS Journal, 2011, 278, 1035-1046.	4.7	23
24	A heteromeric potassium channel involved in the modulation of the plasma membrane potential is essential for the survival of African trypanosomes. FASEB Journal, 2015, 29, 3228-3237.	0.5	21
25	Scrambling of natural and fluorescently tagged phosphatidylinositol by reconstituted G proteinâ€"coupled receptor and TMEM16 scramblases. Journal of Biological Chemistry, 2018, 293, 18318-18327.	3.4	20
26	The ins and outs of phosphatidylethanolamine synthesis in Trypanosoma brucei. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 533-542.	2.4	19
27	Determination of the formation rate of phosphatidylethanol by phospholipase D (PLD) in blood and test of two selective PLD inhibitors. Alcohol, 2018, 73, 1-7.	1.7	19
28	Trypanosoma brucei Bloodstream Forms Depend upon Uptake of myo -Inositol for Golgi Complex Phosphatidylinositol Synthesis and Normal Cell Growth. Eukaryotic Cell, 2015, 14, 616-624.	3.4	18
29	Anti-parasitic dinuclear thiolato-bridged arene ruthenium complexes alter the mitochondrial ultrastructure and membrane potential in Trypanosoma brucei bloodstream forms. Experimental Parasitology, 2019, 205, 107753.	1.2	17
30	Trypanosoma brucei eflornithine transporter AAT6 is a low-affinity low-selective transporter for neutral amino acids. Biochemical Journal, 2014, 463, 9-18.	3.7	16
31	Transporters of Trypanosoma bruceiâ€"phylogeny, physiology, pharmacology. FEBS Journal, 2018, 285, 1012-1023.	4.7	16
32	An Atypical Mitochondrial Carrier That Mediates Drug Action in Trypanosoma brucei. PLoS Pathogens, 2015, 11, e1004875.	4.7	15
33	Autophagy in Trypanosoma brucei: Amino Acid Requirement and Regulation during Different Growth Phases. PLoS ONE, 2014, 9, e93875.	2.5	15
34	RFT1 Protein Affects Glycosylphosphatidylinositol (GPI) Anchor Glycosylation. Journal of Biological Chemistry, 2017, 292, 1103-1111.	3.4	14
35	TbLpn, a key enzyme in lipid droplet formation and phospholipid metabolism, is essential for mitochondrial integrity and growth of Trypanosoma brucei. Molecular Microbiology, 2018, 109, 105-120.	2.5	14
36	Characterization of choline uptake in Trypanosoma brucei procyclic and bloodstream forms. Molecular and Biochemical Parasitology, 2013, 190, 16-22.	1.1	13

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37	H+-dependent inorganic phosphate uptake in Trypanosoma brucei is influenced by myo-inositol transporter. Journal of Bioenergetics and Biomembranes, 2017, 49, 183-194.	2.3	13
38	TbIRK is a signature sequence free potassium channel from Trypanosoma brucei locating to acidocalcisomes. Scientific Reports, 2017, 7, 656.	3.3	13
39	Complexity of the eukaryotic dolichol-linked oligosaccharide scramblase suggested by activity correlation profiling mass spectrometry. Scientific Reports, 2021, 11, 1411.	3.3	13
40	Cellular and Molecular Targets of Nucleotide-Tagged Trithiolato-Bridged Arene Ruthenium Complexes in the Protozoan Parasites Toxoplasma gondii and Trypanosoma brucei. International Journal of Molecular Sciences, 2021, 22, 10787.	4.1	13
41	A Structural Domain Mediates Attachment of Ethanolamine Phosphoglycerol to Eukaryotic Elongation Factor 1A in Trypanosoma brucei. PLoS ONE, 2010, 5, e9486.	2.5	12
42	Phosphatidylserine synthase 2 and phosphatidylserine decarboxylase are essential for aminophospholipid synthesis in <scp>T</scp>rypanosoma brucei. Molecular Microbiology, 2017, 104, 412-427.	2.5	12
43	Cardiolipin depletionâ€“induced changes in theTrypanosoma bruceiproteome. FASEB Journal, 2019, 33, 13161-13175.	0.5	11
44	Lipid remodelling of glycosylphosphatidylinositol (GPI) glycoconjugates in procyclic-form trypanosomes: biosynthesis and processing of GPIs revisited. Biochemical Journal, 2010, 428, 409-418.	3.7	9
45	Mitochondrial sphingosine-1-phosphate lyase is essential for phosphatidylethanolamine synthesis and survival of Trypanosoma brucei. Scientific Reports, 2020, 10, 8268.	3.3	8
46	Depletion of cardiolipin induces major changes in energy metabolism in Trypanosoma brucei bloodstream forms. FASEB Journal, 2021, 35, e21176.	0.5	8
47	Antiprotozoal Structureâ€“Activity Relationships of Synthetic Leucinostatin Derivatives and Elucidation of their Mode of Action. Angewandte Chemie - International Edition, 2021, 60, 15613-15621.	13.8	7
48	Eukaryotic Translation Elongation Factor 1A (eEF1A) Domain I from S. cerevisiae Is Required but Not Sufficient for Inter-Species Complementation. PLoS ONE, 2012, 7, e42338.	2.5	6
49	Ethanolamine phosphoglycerol attachment to eEF1A is not essential for normal growth of Trypanosoma brucei. Scientific Reports, 2012, 2, 254.	3.3	5
50	Elimination of GPI2 suppresses glycosylphosphatidylinositol GlcNAc transferase activity and alters GPI glycan modification in Trypanosoma brucei. Journal of Biological Chemistry, 2021, 297, 100977.	3.4	5
51	The endoplasmic reticulum membrane protein complex localizes to the mitochondrial - endoplasmic reticulum interface and its subunits modulate phospholipid biosynthesis in Trypanosoma brucei. PLoS Pathogens, 2022, 18, e1009717.	4.7	4
52	Cross-species complementation of bacterial- and eukaryotic-type cardiolipin synthases. Microbial Cell, 2017, 4, 376-383.	3.2	3
53	Identification and characterization of the three members of the CLC family of anion transport proteins in Trypanosoma brucei. PLoS ONE, 2017, 12, e0188219.	2.5	3
54	Identification of TbPBN1 in Trypanosoma brucei reveals a conserved heterodimeric architecture for glycosylphosphatidylinositolâ€mannosyltransferaseâ€. Molecular Microbiology, 2022, 117, 450-461.	2.5	3

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55	Persistence of Trypanosoma brucei as early procyclic forms and social motility are dependent on glycosylphosphatidylinositol transamidase. Molecular Microbiology, 2022, 117, 802-817.	2.5	2
56	Nonenzymatic synthesis of anomerically pure, mannosyl-based molecular probes for scramblase identification studies. Beilstein Journal of Organic Chemistry, 2020, 16, 1732-1739.	2.2	1
57	Antiprotozoische Strukturâ€AktivitÃtsâ€Beziehungen von synthetischen Leucinostatinâ€Derivaten und AufklÃrung ihres Wirkprinzips. Angewandte Chemie, 2021, 133, 15741-15749.	2.0	0
58	A novel assay to measure scrambling of natural phospholipids in reconstituted proteoliposomes. FASEB Journal, 2018, 32, 815.7.	0.5	0
59	A Conserved Mitochondrial Chaperone-Protease Complex Involved in Protein Homeostasis. Frontiers in Molecular Biosciences, 2021, 8, 767088.	3.5	0
60	StaR-related lipid transfer-like domain-containing protein CLDP43 affects cardiolipin synthesis and mitochondrial function in Trypanosoma brucei. PLoS ONE, 2022, 17, e0259752.	2.5	0