

Aloysius G M Tielens

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

3,999
citations

32
h-index

63
g-index

72
ext. papers

4,458
ext. citations

5.3
avg, IF

4.95
L-index

#	Paper	IF	Citations
71	Inhibition of Fatty Acid Oxidation as a New Target To Treat Primary Amoebic Meningoencephalitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	4
70	Schistosoma mansoni infection affects the proteome and lipidome of circulating extracellular vesicles in the host. <i>Molecular and Biochemical Parasitology</i> , 2020 , 238, 111296	1.9	5
69	A mono-acyl phospholipid (20:1 lyso-PS) activates Toll-Like Receptor 2/6 hetero-dimer. <i>Chemistry and Physics of Lipids</i> , 2020 , 232, 104951	3.7	2
68	Ruptured Echinococcus granulosus cysts in migrants: Is excessive antigen release causing false negative serology?. <i>Travel Medicine and Infectious Disease</i> , 2020 , 35, 101412	8.4	
67	Schistosoma mansoni does not and cannot oxidise fatty acids, but these are used for biosynthetic purposes instead. <i>International Journal for Parasitology</i> , 2019 , 49, 647-656	4.3	12
66	Energy metabolism in anaerobic eukaryotes and Earth's late oxygenation. <i>Free Radical Biology and Medicine</i> , 2019 , 140, 279-294	7.8	20
65	Hydrogenosomes of Anaerobic Fungi: An Alternative Way to Adapt to Anaerobic Environments. <i>Microbiology Monographs</i> , 2019 , 159-175	0.8	5
64	Hydrogenosomes of Anaerobic Ciliates. <i>Microbiology Monographs</i> , 2019 , 111-126	0.8	1
63	The ability to incorporate functional plastids by the sea slug Elysia viridis is governed by its food source. <i>Marine Biology</i> , 2018 , 165, 1	2.5	12
62	Fibrinogen and fibrin are novel substrates for Fasciola hepatica cathepsin L peptidases. <i>Molecular and Biochemical Parasitology</i> , 2018 , 221, 10-13	1.9	9
61	Truncation of ADAMTS13 by Plasmin Enhances Its Activity in Plasma. <i>Thrombosis and Haemostasis</i> , 2018 , 118, 471-479	7	2
60	Hydrogenosomes. <i>Microbiology Monographs</i> , 2018 , 193-222	0.8	
59	Lipids Are the Preferred Substrate of the Protist Naegleria gruberi, Relative of a Human Brain Pathogen. <i>Cell Reports</i> , 2018 , 25, 537-543.e3	10.6	12
58	The Mitochondrion of Euglena gracilis. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 979, 19-37	3.6	16
57	The Physiology of Phagocytosis in the Context of Mitochondrial Origin. <i>Microbiology and Molecular Biology Reviews</i> , 2017 , 81,	13.2	61
56	On Being the Right Size as an Animal with Plastids. <i>Frontiers in Plant Science</i> , 2017 , 8, 1402	6.2	8
55	Animals, anoxic environments, and reasons to go deep. <i>BMC Biology</i> , 2016 , 14, 44	7.3	4

54	Targeting of the hydrophobic metabolome by pathogens. <i>Traffic</i> , 2015 , 16, 439-60	5.7	10
53	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. <i>Genome Biology and Evolution</i> , 2015 , 7, 2602-7	3.9	20
52	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015 , 43, D637-44	20.1	28
51	The tegumental surface membranes of <i>Schistosoma mansoni</i> are enriched in parasite-specific phospholipid species. <i>International Journal for Parasitology</i> , 2015 , 45, 629-36	4.3	22
50	Effects of a single glucocorticoid injection on propylene glycol-treated cows with clinical ketosis. <i>Veterinary Journal</i> , 2015 , 204, 144-9	2.5	9
49	Comparison of sister species identifies factors underpinning plastid compatibility in green sea slugs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282,	4.4	29
48	Plastid-bearing sea slugs fix CO ₂ in the light but do not require photosynthesis to survive. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132493	4.4	41
47	Of early animals, anaerobic mitochondria, and a modern sponge. <i>BioEssays</i> , 2014 , 36, 924-32	4.1	23
46	Binding of von Willebrand factor and plasma proteins to the eggshell of <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2014 , 44, 263-8	4.3	11
45	Anaerobic energy metabolism in unicellular photosynthetic eukaryotes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 210-23	4.6	75
44	Interference with the host haemostatic system by schistosomes. <i>PLoS Pathogens</i> , 2013 , 9, e1003781	7.6	58
43	Proteins and lipids of glycosomal membranes from <i>Leishmania tarentolae</i> and <i>Trypanosoma brucei</i> . <i>F1000Research</i> , 2013 , 2, 27	3.6	34
42	Proliferating bloodstream-form <i>Trypanosoma brucei</i> use a negligible part of consumed glucose for anabolic processes. <i>International Journal for Parasitology</i> , 2012 , 42, 667-73	4.3	24
41	<i>Schistosoma mansoni</i> : the egg, biosynthesis of the shell and interaction with the host. <i>Experimental Parasitology</i> , 2012 , 132, 7-13	2.1	32
40	Biochemistry and evolution of anaerobic energy metabolism in eukaryotes. <i>Microbiology and Molecular Biology Reviews</i> , 2012 , 76, 444-95	13.2	496
39	The organellar genome and metabolic potential of the hydrogen-producing mitochondrion of <i>Nyctotherus ovalis</i> . <i>Molecular Biology and Evolution</i> , 2011 , 28, 2379-91	8.3	54
38	The proteome of the insoluble <i>Schistosoma mansoni</i> eggshell skeleton. <i>International Journal for Parasitology</i> , 2011 , 41, 523-32	4.3	37
37	<i>Naegleria gruberi</i> metabolism. <i>International Journal for Parasitology</i> , 2011 , 41, 915-24	4.3	33

36	Acetate formation in the energy metabolism of parasitic helminths and protists. <i>International Journal for Parasitology</i> , 2010 , 40, 387-97	4.3	85
35	Hydrogenosomes. <i>Microbiology Monographs</i> , 2010 , 175-206	0.8	4
34	Adaptations in the glucose metabolism of procyclic <i>Trypanosoma brucei</i> isolates from tsetse flies and during differentiation of bloodstream forms. <i>Eukaryotic Cell</i> , 2009 , 8, 1307-11		25
33	Acetate:succinate CoA-transferase in the anaerobic mitochondria of <i>Fasciola hepatica</i> . <i>Molecular and Biochemical Parasitology</i> , 2009 , 164, 74-9	1.9	20
32	Surprising variety in energy metabolism within Trypanosomatidae. <i>Trends in Parasitology</i> , 2009 , 25, 482-90		97
31	Combined TLR2 and TLR4 ligation in the context of bacterial or helminth extracts in human monocyte derived dendritic cells: molecular correlates for Th1/Th2 polarization. <i>BMC Immunology</i> , 2009 , 10, 9	3.7	69
30	Acetate:succinate CoA-transferase in the hydrogenosomes of <i>Trichomonas vaginalis</i> : identification and characterization. <i>Journal of Biological Chemistry</i> , 2008 , 283, 1411-1418	5.4	49
29	Hydrogenosomes of Anaerobic Chytrids: An Alternative Way to Adapt to Anaerobic Environments. <i>Microbiology Monographs</i> , 2008 , 147-162	0.8	10
28	Hydrogenosomes of Anaerobic Ciliates. <i>Microbiology Monographs</i> , 2008 , 97-112	0.8	21
27	A simple and universal method for the separation and identification of phospholipid molecular species. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1853-62	2.2	81
26	Schistosome biology and proteomics: progress and challenges. <i>Experimental Parasitology</i> , 2007 , 117, 267-74	2.1	23
25	Energy metabolism of bloodstream form <i>Trypanosoma theileri</i> . <i>Eukaryotic Cell</i> , 2007 , 6, 1693-6		7
24	Anaerobic Mitochondria: Properties and Origins 2007 , 85-103		12
23	Functions of the tegument of schistosomes: clues from the proteome and lipidome. <i>International Journal for Parasitology</i> , 2006 , 36, 691-9	4.3	137
22	Adaptations in the lipid metabolism of the protozoan parasite <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 2006 , 580, 5552-8	3.8	29
21	Mass spectrometric analysis of the <i>Schistosoma mansoni</i> tegumental sub-proteome. <i>Journal of Proteome Research</i> , 2005 , 4, 958-66	5.6	139
20	An anaerobic mitochondrion that produces hydrogen. <i>Nature</i> , 2005 , 434, 74-9	50.4	213
19	Energy metabolism and its compartmentation in <i>Trypanosoma brucei</i> . <i>Advances in Microbial Physiology</i> , 2005 , 50, 199-226	4.4	44

18	New functions for parts of the Krebs cycle in procyclic <i>Trypanosoma brucei</i> , a cycle not operating as a cycle. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12451-60	5.4	89
17	Responses to Toll-like receptor ligands in children living in areas where schistosome infections are endemic. <i>Journal of Infectious Diseases</i> , 2004 , 189, 1044-51	7	62
16	Acetyl:succinate CoA-transferase in procyclic <i>Trypanosoma brucei</i> . Gene identification and role in carbohydrate metabolism. <i>Journal of Biological Chemistry</i> , 2004 , 279, 45337-46	5.4	81
15	A divergent ADP/ATP carrier in the hydrogenosomes of <i>Trichomonas gallinae</i> argues for an independent origin of these organelles. <i>Molecular Microbiology</i> , 2004 , 51, 1439-46	4.1	47
14	The anaerobic chytridiomycete fungus <i>Piromyces</i> sp. E2 produces ethanol via pyruvate:formate lyase and an alcohol dehydrogenase E. <i>Molecular Microbiology</i> , 2004 , 51, 1389-99	4.1	82
13	<i>Euglena gracilis</i> rholoquinone:ubiquinone ratio and mitochondrial proteome differ under aerobic and anaerobic conditions. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22422-9	5.4	68
12	Identification of prokaryotic homologues indicates an endosymbiotic origin for the alternative oxidases of mitochondria (AOX) and chloroplasts (PTOX). <i>Gene</i> , 2004 , 330, 143-8	3.8	38
11	Phospholipids in parasitic protozoa. <i>Molecular and Biochemical Parasitology</i> , 2003 , 126, 143-54	1.9	115
10	Procyclic <i>Trypanosoma brucei</i> do not use Krebs cycle activity for energy generation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12854-63	5.4	94
9	Biochemical and evolutionary aspects of anaerobically functioning mitochondria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 205-13; discussion 213-5	5.8	59
8	Mitochondria as we don't know them. <i>Trends in Biochemical Sciences</i> , 2002 , 27, 564-72	10.3	286
7	Multiple origins of hydrogenosomes: functional and phylogenetic evidence from the ADP/ATP carrier of the anaerobic chytrid <i>Neocallimastix</i> sp. <i>Molecular Microbiology</i> , 2002 , 44, 1441-54	4.1	88
6	A novel host-parasite lipid cross-talk. Schistosomal lyso-phosphatidylserine activates toll-like receptor 2 and affects immune polarization. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48122-9	5.4	452
5	Triggering of innate immune responses by schistosome egg glycolipids and their carbohydrate epitope GalNAc beta 1-4(Fuc alpha 1-2Fuc alpha 1-3)GlcNAc. <i>Journal of Infectious Diseases</i> , 2002 , 185, 531-9	7	89
4	Recognition of schistosome glycolipids by immunoglobulin E: possible role in immunity. <i>Infection and Immunity</i> , 1999 , 67, 5946-50	3.7	26
3	5-Octadecenoic acid: evidence for a novel type of fatty acid modification in schistosomes. <i>Biochemical Journal</i> , 1998 , 334 (Pt 2), 315-9	3.8	22
2	Acetylcholinesterase and ATPase activities in erythrocyte ghosts are not affected by 1,2,4-trichlorobenzene: Implications for toxicity by narcotic chemicals. <i>Environmental Toxicology and Chemistry</i> , 1997 , 16, 2347-2352	3.8	9
1	The Solubilization of a SHAM Sensitive, Cyanide Insensitive Ubiquinol Oxidase from <i>Trypanosoma brucei</i> . <i>Journal of Parasitology</i> , 1985 , 71, 384	0.9	17

