

Aloysius G M Tielens

List of Publications by Year in descending order

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72
papers

4,827
citations

126708

33
h-index

95083

68
g-index

72
all docs

72
docs citations

72
times ranked

5072
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemistry and Evolution of Anaerobic Energy Metabolism in Eukaryotes. <i>Microbiology and Molecular Biology Reviews</i> , 2012, 76, 444-495.	2.9	656
2	A Novel Host-Parasite Lipid Cross-talk. <i>Journal of Biological Chemistry</i> , 2002, 277, 48122-48129.	1.6	527
3	Mitochondria as we don't know them. <i>Trends in Biochemical Sciences</i> , 2002, 27, 564-572.	3.7	338
4	An anaerobic mitochondrion that produces hydrogen. <i>Nature</i> , 2005, 434, 74-79.	13.7	242
5	Functions of the tegument of schistosomes: Clues from the proteome and lipidome. <i>International Journal for Parasitology</i> , 2006, 36, 691-699.	1.3	151
6	Mass Spectrometric Analysis of the Schistosoma mansoni Tegumental Sub-proteome. <i>Journal of Proteome Research</i> , 2005, 4, 958-966.	1.8	150
7	Phospholipids in parasitic protozoa. <i>Molecular and Biochemical Parasitology</i> , 2003, 126, 143-154.	0.5	132
8	Surprising variety in energy metabolism within Trypanosomatidae. <i>Trends in Parasitology</i> , 2009, 25, 482-490.	1.5	116
9	Procyclic Trypanosoma brucei Do Not Use Krebs Cycle Activity for Energy Generation. <i>Journal of Biological Chemistry</i> , 2003, 278, 12854-12863.	1.6	108
10	New Functions for Parts of the Krebs Cycle in Procyclic Trypanosoma brucei, a Cycle Not Operating as a Cycle. <i>Journal of Biological Chemistry</i> , 2005, 280, 12451-12460.	1.6	101
11	Multiple origins of hydrogenosomes: functional and phylogenetic evidence from the ADP/ATP carrier of the anaerobic chytrid Neocallimastix sp.. <i>Molecular Microbiology</i> , 2002, 44, 1441-1454.	1.2	100
12	The anaerobic chytridiomycete fungus Piromyces sp. E2 produces ethanol via pyruvate:formate lyase and an alcohol dehydrogenase E. <i>Molecular Microbiology</i> , 2004, 51, 1389-1399.	1.2	100
13	Anaerobic energy metabolism in unicellular photosynthetic eukaryotes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 210-223.	0.5	97
14	Acetate formation in the energy metabolism of parasitic helminths and protists. <i>International Journal for Parasitology</i> , 2010, 40, 387-397.	1.3	96
15	Triggering of Innate Immune Responses by Schistosome Egg Glycolipids and Their Carbohydrate Epitope GalNAc ² 1â€4(Fuc1±1â€2Fuc1±1â€3)GlcNAc. <i>Journal of Infectious Diseases</i> , 2002, 185, 531-539.	1.9	95
16	Acetyl:Succinate CoA-transferase in Procyclic Trypanosoma brucei. <i>Journal of Biological Chemistry</i> , 2004, 279, 45337-45346.	1.6	92
17	A simple and universal method for the separation and identification of phospholipid molecular species. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1853-1862.	0.7	86
18	The Physiology of Phagocytosis in the Context of Mitochondrial Origin. <i>Microbiology and Molecular Biology Reviews</i> , 2017, 81, .	2.9	84

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19	The Organellar Genome and Metabolic Potential of the Hydrogen-Producing Mitochondrion of <i>Nyctotherus ovalis</i> . <i>Molecular Biology and Evolution</i> , 2011, 28, 2379-2391.	3.5	82
20	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.	0.9	79
21	Biochemical and evolutionary aspects of anaerobically functioning mitochondria. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 205-215.	1.8	78
22	<i>Euglena gracilis</i> Rhoquinone:Ubiquinone Ratio and Mitochondrial Proteome Differ under Aerobic and Anaerobic Conditions. <i>Journal of Biological Chemistry</i> , 2004, 279, 22422-22429.	1.6	76
23	Interference with the Host Haemostatic System by Schistosomes. <i>PLoS Pathogens</i> , 2013, 9, e1003781.	2.1	71
24	Responses to Toll-like Receptor Ligands in Children Living in Areas Where Schistosome Infections Are Endemic. <i>Journal of Infectious Diseases</i> , 2004, 189, 1044-1051.	1.9	66
25	Acetate:Succinate CoA-transferase in the Hydrogenosomes of <i>Trichomonas vaginalis</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 1411-1418.	1.6	55
26	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.	1.2	54
27	Energy Metabolism and Its Compartmentation in <i>Trypanosoma brucei</i> . <i>Advances in Microbial Physiology</i> , 2005, 50, 199-226.	1.0	51
28	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, 1439-1446.	1.2	49
29	Identification of prokaryotic homologues indicates an endosymbiotic origin for the alternative oxidases of mitochondria (AOX) and chloroplasts (PTOX). <i>Gene</i> , 2004, 330, 143-148.	1.0	44
30	The proteome of the insoluble <i>Schistosoma mansoni</i> eggshell skeleton. <i>International Journal for Parasitology</i> , 2011, 41, 523-532.	1.3	44
31	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, 20142519.	1.2	44
32	<i>Schistosoma mansoni</i> : The egg, biosynthesis of the shell and interaction with the host. <i>Experimental Parasitology</i> , 2012, 132, 7-13.	0.5	43
33	<i>Naegleria gruberi</i> metabolism. <i>International Journal for Parasitology</i> , 2011, 41, 915-924.	1.3	42
34	Proteins and lipids of glycosomal membranes from <i>Leishmania tarentolae</i> and <i>Trypanosoma brucei</i> . <i>F1000Research</i> , 2013, 2, 27.	0.8	38
35	Adaptations in the lipid metabolism of the protozoan parasite <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 2006, 580, 5552-5558.	1.3	35
36	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.	6.5	35

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37	Recognition of Schistosome Glycolipids by Immunoglobulin E: Possible Role in Immunity. <i>Infection and Immunity</i> , 1999, 67, 5946-5950.	1.0	34
38	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, 1307-1311.	3.4	33
39	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, 667-673.	1.3	33
40	The tegumental surface membranes of <i>Schistosoma mansoni</i> are enriched in parasite-specific phospholipid species. <i>International Journal for Parasitology</i> , 2015, 45, 629-636.	1.3	32
41	Energy metabolism in anaerobic eukaryotes and Earth's late oxygenation. <i>Free Radical Biology and Medicine</i> , 2019, 140, 279-294.	1.3	32
42	Of early animals, anaerobic mitochondria, and a modern sponge. <i>BioEssays</i> , 2014, 36, 924-932.	1.2	28
43	Why It Is Time to Look Beyond Algal Genes in Photosynthetic Slugs. <i>Genome Biology and Evolution</i> , 2015, 7, 2602-2607.	1.1	28
44	Lipids Are the Preferred Substrate of the Protist <i>Naegleria gruberi</i> , Relative of a Human Brain Pathogen. <i>Cell Reports</i> , 2018, 25, 537-543.e3.	2.9	24
45	Schistosome biology and proteomics: Progress and challenges. <i>Experimental Parasitology</i> , 2007, 117, 267-274.	0.5	23
46	Acetate:succinate CoA-transferase in the anaerobic mitochondria of <i>Fasciola hepatica</i> . <i>Molecular and Biochemical Parasitology</i> , 2009, 164, 74-79.	0.5	23
47	5-Octadecenoic acid: evidence for a novel type of fatty acid modification in schistosomes. <i>Biochemical Journal</i> , 1998, 334, 315-319.	1.7	22
48	Hydrogenosomes of Anaerobic Ciliates. <i>Microbiology Monographs</i> , 2008, , 97-112.	0.3	21
49	The ability to incorporate functional plastids by the sea slug <i>Elysia viridis</i> is governed by its food source. <i>Marine Biology</i> , 2018, 165, 1.	0.7	21
50	<i>Schistosoma mansoni</i> 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.	1.3	19
51	The Solubilization of a SHAM Sensitive, Cyanide Insensitive Ubiquinol Oxidase from <i>Trypanosoma brucei</i> . <i>Journal of Parasitology</i> , 1985, 71, 384.	0.3	18
52	The Mitochondrion of <i>Euglena gracilis</i> . <i>Advances in Experimental Medicine and Biology</i> , 2017, 979, 19-37.	0.8	18
53	Binding of von Willebrand factor and plasma proteins to the eggshell of <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2014, 44, 263-268.	1.3	15
54	On Being the Right Size as an Animal with Plastids. <i>Frontiers in Plant Science</i> , 2017, 8, 1402.	1.7	15

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55	Fibrinogen and fibrin are novel substrates for <i>Fasciola hepatica</i> cathepsin L peptidases. <i>Molecular and Biochemical Parasitology</i> , 2018, 221, 10-13.	0.5	14
56	Anaerobic Mitochondria: Properties and Origins. , 2007, , 85-103.		14
57	Effects of a single glucocorticoid injection on propylene glycol-treated cows with clinical ketosis. <i>Veterinary Journal</i> , 2015, 204, 144-149.	0.6	12
58	Targeting of the Hydrophobic Metabolome by Pathogens. <i>Traffic</i> , 2015, 16, 439-460.	1.3	12
59	Hydrogenosomes of Anaerobic Chytrids: An Alternative Way to Adapt to Anaerobic Environments. <i>Microbiology Monographs</i> , 2008, , 147-162.	0.3	10
60	Inhibition of Fatty Acid Oxidation as a New Target To Treat Primary Amoebic Meningoencephalitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	10
61	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.	2.2	9
62	Hydrogenosomes of Anaerobic Fungi: An Alternative Way to Adapt to Anaerobic Environments. <i>Microbiology Monographs</i> , 2019, , 159-175.	0.3	8
63	<i>Schistosoma mansoni</i> infection affects the proteome and lipidome of circulating extracellular vesicles in the host. <i>Molecular and Biochemical Parasitology</i> , 2020, 238, 111296.	0.5	8
64	Three encephalitis-causing amoebae and their distinct interactions with the host. <i>Trends in Parasitology</i> , 2022, 38, 230-245.	1.5	8
65	Energy Metabolism of Bloodstream Form <i>Trypanosoma theileri</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1693-1696.	3.4	7
66	Truncation of ADAMTS13 by Plasmin Enhances Its Activity in Plasma. <i>Thrombosis and Haemostasis</i> , 2018, 118, 471-479.	1.8	6
67	Animals, anoxic environments, and reasons to go deep. <i>BMC Biology</i> , 2016, 14, 44.	1.7	5
68	Hydrogenosomes. <i>Microbiology Monographs</i> , 2010, , 175-206.	0.3	4
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.	1.5	3
70	Hydrogenosomes of Anaerobic Ciliates. <i>Microbiology Monographs</i> , 2019, , 111-126.	0.3	1
71	Hydrogenosomes. <i>Microbiology Monographs</i> , 2018, , 193-222.	0.3	0
72	Ruptured <i>Echinococcus granulosus</i> cysts in migrants: Is excessive antigen release causing false negative serology?. <i>Travel Medicine and Infectious Disease</i> , 2020, 35, 101412.	1.5	0