

Adrian B Hehl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3405969/publications.pdf>

Version: 2024-02-01

73
papers

3,894
citations

117625

34
h-index

128289

60
g-index

77
all docs

77
docs citations

77
times ranked

3329
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Minimalism in the Early Diverging Intestinal Parasite <i>Giardia lamblia</i> . <i>Science</i> , 2007, 317, 1921-1926.	12.6	725
2	Success and Virulence in <i>Toxoplasma</i> as the Result of Sexual Recombination Between Two Distinct Ancestries. <i>Science</i> , 2001, 294, 161-165.	12.6	307
3	Release of metabolic enzymes by <i>Giardia</i> in response to interaction with intestinal epithelial cells. <i>Molecular and Biochemical Parasitology</i> , 2008, 159, 85-91.	1.1	168
4	<i>Toxoplasma gondii</i> Homologue of Plasmodium Apical Membrane Antigen 1 Is Involved in Invasion of Host Cells. <i>Infection and Immunity</i> , 2000, 68, 7078-7086.	2.2	146
5	An experimental genetically attenuated live vaccine to prevent transmission of <i>Toxoplasma gondii</i> by cats. <i>Scientific Reports</i> , 2019, 9, 1474.	3.3	112
6	Asexual expansion of <i>Toxoplasma gondii</i> merozoites is distinct from tachyzoites and entails expression of non-overlapping gene families to attach, invade, and replicate within feline enterocytes. <i>BMC Genomics</i> , 2015, 16, 66.	2.8	108
7	An Ancestral Secretory Apparatus in the Protozoan Parasite <i>Giardia intestinalis</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 24837-24848.	3.4	103
8	Protein Import, Replication, and Inheritance of a Vestigial Mitochondrion. <i>Journal of Biological Chemistry</i> , 2005, 280, 30557-30563.	3.4	99
9	Stage-Specific Expression and Targeting of Cyst Wall Protein "Green Fluorescent Protein Chimeras in <i>Giardia</i> . <i>Molecular Biology of the Cell</i> , 2000, 11, 1789-1800.	2.1	96
10	A druggable secretory protein maturase of <i>Toxoplasma</i> essential for invasion and egress. <i>ELife</i> , 2017, 6, .	6.0	89
11	RNA Seq analysis of the <i>Eimeria tenella</i> gametocyte transcriptome reveals clues about the molecular basis for sexual reproduction and oocyst biogenesis. <i>BMC Genomics</i> , 2015, 16, 94.	2.8	88
12	Ablation of the single dynamin of <i>T. brucei</i> blocks mitochondrial fission and endocytosis and leads to a precise cytokinesis arrest. <i>Journal of Cell Science</i> , 2006, 119, 2968-2974.	2.0	86
13	Epigenetic mechanisms regulate stage differentiation in the minimized protozoan <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2010, 76, 48-67.	2.5	85
14	The Secretory Apparatus of an Ancient Eukaryote: Protein Sorting to Separate Export Pathways Occurs Before Formation of Transient Golgi-like Compartments. <i>Molecular Biology of the Cell</i> , 2003, 14, 1433-1447.	2.1	79
15	The Transcriptional Response to Encystation Stimuli in <i>Giardia lamblia</i> Is Restricted to a Small Set of Genes. <i>Eukaryotic Cell</i> , 2010, 9, 1566-1576.	3.4	73
16	Secretory protein trafficking in <i>Giardia intestinalis</i> . <i>Molecular Microbiology</i> , 2004, 53, 19-28.	2.5	71
17	The Single Dynamin Family Protein in the Primitive Protozoan <i>Giardia lamblia</i> Is Essential for Stage Conversion and Endocytic Transport. <i>Traffic</i> , 2008, 9, 57-71.	2.7	70
18	Five facts about <i>Giardia lamblia</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007250.	4.7	63

#	ARTICLE	IF	CITATIONS
19	Neogenesis and maturation of transient Golgi-like cisternae in a simple eukaryote. <i>Journal of Cell Science</i> , 2009, 122, 2846-2856.	2.0	62
20	Mitochondrial Glycolysis in a Major Lineage of Eukaryotes. <i>Genome Biology and Evolution</i> , 2018, 10, 2310-2325.	2.5	62
21	RNA-Seq analysis during the life cycle of <i>Cryptosporidium parvum</i> reveals significant differential gene expression between proliferating stages in the intestine and infectious sporozoites. <i>International Journal for Parasitology</i> , 2018, 48, 413-422.	3.1	61
22	Organelle Proteomics Reveals Cargo Maturation Mechanisms Associated with Golgi-like Encystation Vesicles in the Early-diverged Protozoan <i>Giardia lamblia</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 7595-7604.	3.4	56
23	Membrane trafficking and organelle biogenesis in <i>Giardia lamblia</i> : Use it or lose it. <i>International Journal for Parasitology</i> , 2011, 41, 471-480.	3.1	56
24	Identification of nucleoli in the early branching protist <i>Giardia duodenalis</i> . <i>International Journal for Parasitology</i> , 2008, 38, 1297-1304.	3.1	51
25	Selective Condensation Drives Partitioning and Sequential Secretion of Cyst Wall Proteins in Differentiating <i>Giardia lamblia</i> . <i>PLoS Pathogens</i> , 2010, 6, e1000835.	4.7	47
26	Static Clathrin Assemblies at the Peripheral Vacuole-Plasma Membrane Interface of the Parasitic Protozoan <i>Giardia lamblia</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005756.	4.7	44
27	Expression of Green Fluorescent Protein as a Marker for Effects of Antileishmanial Compounds In Vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 3654-3656.	3.2	42
28	SNAP-tag mediated live cell labeling as an alternative to GFP in anaerobic organisms. <i>BioTechniques</i> , 2005, 39, 809-812.	1.8	42
29	Post-transcriptional Repair of a Split Heat Shock Protein 90 Gene by mRNA trans-Splicing. <i>Journal of Biological Chemistry</i> , 2011, 286, 7116-7122.	3.4	41
30	In vitro efficacy of bumped kinase inhibitors against <i>Besnoitia besnoiti</i> tachyzoites. <i>International Journal for Parasitology</i> , 2017, 47, 811-821.	3.1	40
31	<i>Toxoplasma gondii</i> Infection in Kyrgyzstan: Seroprevalence, Risk Factor Analysis, and Estimate of Congenital and AIDS-Related Toxoplasmosis. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2043.	3.0	40
32	The Proteome Landscape of <i>Giardia lamblia</i> Encystation. <i>PLoS ONE</i> , 2013, 8, e83207.	2.5	39
33	Proteomics of Secretory and Endocytic Organelles in <i>Giardia lamblia</i> . <i>PLoS ONE</i> , 2014, 9, e94089.	2.5	39
34	Encystation-specific vesicles in <i>Giardia</i> : a primordial Golgi or just another secretory compartment?. <i>Trends in Parasitology</i> , 2003, 19, 440-446.	3.3	38
35	Genome-wide analysis of gene expression and protein secretion of <i>Babesia canis</i> during virulent infection identifies potential pathogenicity factors. <i>Scientific Reports</i> , 2017, 7, 3357.	3.3	35
36	Lipid biology of Apicomplexa: perspectives for new drug targets, particularly for <i>Toxoplasma gondii</i> . <i>Trends in Parasitology</i> , 2006, 22, 41-47.	3.3	34

#	ARTICLE	IF	CITATIONS
37	Glucosylceramide synthesis inhibition affects cell cycle progression, membrane trafficking, and stage differentiation in <i>Giardia lamblia</i> . <i>Journal of Lipid Research</i> , 2010, 51, 2527-2545.	4.2	32
38	Cyst-Wall-Protein-1 is fundamental for Golgi-like organelle neogenesis and cyst-wall biosynthesis in <i>Giardia lamblia</i> . <i>Nature Communications</i> , 2016, 7, 13859.	12.8	32
39	Export of cyst wall material and Golgi organelle neogenesis in <i>Giardia lamblia</i> depend on endoplasmic reticulum exit sites. <i>Cellular Microbiology</i> , 2013, 15, 537-553.	2.1	30
40	A Sphingolipid Inhibitor Induces a Cytokinesis Arrest and Blocks Stage Differentiation in <i>Giardia lamblia</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 563-569.	3.2	25
41	Rac Regulates <i>Giardia lamblia</i> Encystation by Coordinating Cyst Wall Protein Trafficking and Secretion. <i>MBio</i> , 2016, 7, .	4.1	24
42	Conformationally Correct Expression of Membrane-Anchored <i>Toxoplasma gondii</i> SAG1 in the Primitive Protozoan <i>Giardia duodenalis</i> . <i>Infection and Immunity</i> , 2002, 70, 1014-1016.	2.2	22
43	Dual Acylation Accounts for the Localization of Î±19-Giardin in the Ventral Flagellum Pair of <i>Giardia lamblia</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1567-1574.	3.4	22
44	Serotonin regulates amylase secretion and acinar cell damage during murine pancreatitis. <i>Gut</i> , 2013, 62, 890-898.	12.1	22
45	An Interactome-Centered Protein Discovery Approach Reveals Novel Components Involved in Mitosome Function and Homeostasis in <i>Giardia lamblia</i> . <i>PLoS Pathogens</i> , 2016, 12, e1006036.	4.7	22
46	WAF1 ²¹ limits senescence and acinar ductal metaplasia formation during pancreatitis. <i>Journal of Pathology</i> , 2015, 235, 502-514.	4.5	21
47	Diversity of <i>Entamoeba</i> spp. in African great apes and humans: an insight from Illumina MiSeq high-throughput sequencing. <i>International Journal for Parasitology</i> , 2018, 48, 519-530.	3.1	21
48	The Cre/loxP system in <i>Giardia lamblia</i> : genetic manipulations in a binucleate tetraploid protozoan. <i>International Journal for Parasitology</i> , 2014, 44, 497-506.	3.1	18
49	Host Cell P-glycoprotein Is Essential for Cholesterol Uptake and Replication of <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 17438-17448.	3.4	17
50	Serotonin promotes acinar dedifferentiation following pancreatitis-induced regeneration in the adult pancreas. <i>Journal of Pathology</i> , 2015, 237, 495-507.	4.5	17
51	The merozoite-specific protein, TgGRA11B, identified as a component of the <i>Toxoplasma gondii</i> parasitophorous vacuole in a tachyzoite expression model. <i>International Journal for Parasitology</i> , 2017, 47, 597-600.	3.1	17
52	Bax Function in the Absence of Mitochondria in the Primitive Protozoan <i>Giardia lamblia</i> . <i>PLoS ONE</i> , 2007, 2, e488.	2.5	14
53	The P-glycoprotein Inhibitor GF120918 Modulates Ca ²⁺ -Dependent Processes and Lipid Metabolism in <i>Toxoplasma Gondii</i> . <i>PLoS ONE</i> , 2010, 5, e10062.	2.5	14
54	The single epsin homolog in <i>Giardia lamblia</i> localizes to the ventral disk of trophozoites and is not associated with clathrin membrane coats. <i>Molecular and Biochemical Parasitology</i> , 2014, 197, 24-27.	1.1	14

#	ARTICLE	IF	CITATIONS
55	Discovery of a tyrosine-rich sporocyst wall protein in <i>Eimeria tenella</i> . <i>Parasites and Vectors</i> , 2016, 9, 124.	2.5	12
56	Roles of Phosphoinositides and Their binding Proteins in Parasitic Protozoa. <i>Trends in Parasitology</i> , 2019, 35, 996-1008.	3.3	12
57	Phosphoinositide-binding proteins mark, shape and functionally modulate highly-diverged endocytic compartments in the parasitic protist <i>Giardia lamblia</i> . <i>PLoS Pathogens</i> , 2020, 16, e1008317.	4.7	12
58	Structural insights into an atypical secretory pathway kinase crucial for <i>Toxoplasma gondii</i> invasion. <i>Nature Communications</i> , 2021, 12, 3788.	12.8	12
59	An ER-directed transcriptional response to unfolded protein stress in the absence of conserved sensor transducer proteins in <i>Giardia lamblia</i> . <i>Molecular Microbiology</i> , 2013, 88, 754-771.	2.5	11
60	A cytonaut's guide to protein trafficking in <i>Giardia lamblia</i> . <i>Advances in Parasitology</i> , 2019, 106, 105-127.	3.2	11
61	Mitosomes in Trophozoites and Cysts of the Reptilian Parasite <i>Entamoeba invadens</i> . <i>Eukaryotic Cell</i> , 2011, 10, 1582-1585.	3.4	9
62	RNA-Seq Analyses Reveal That Endothelial Activation and Fibrosis Are Induced Early and Progressively by <i>Besnoitia besnoiti</i> Host Cell Invasion and Proliferation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 218.	3.9	8
63	Unexpected organellar locations of ESCRT machinery in <i>Giardia intestinalis</i> and complex evolutionary dynamics spanning the transition to parasitism in the lineage Fornicata. <i>BMC Biology</i> , 2021, 19, 167.	3.8	8
64	Assembly and export of a <i>Toxoplasma</i> microneme complex in <i>Giardia lamblia</i> . <i>International Journal for Parasitology</i> , 2005, 35, 1359-1368.	3.1	6
65	A streamlined CRISPR/Cas9 approach for fast genome editing in <i>Toxoplasma gondii</i> and <i>Besnoitia besnoiti</i> . <i>Journal of Biological Methods</i> , 2020, 7, e140.	0.6	5
66	Response to Zamponi et al .. <i>Trends in Parasitology</i> , 2017, 33, 76.	3.3	3
67	Expression of <i>Cryptosporidium parvum</i> Cpa135/CpCCP1 chimeras in <i>Giardia duodenalis</i> : Organization of the protein domains affects the protein secretion pathway. <i>Experimental Parasitology</i> , 2011, 127, 680-686.	1.2	1
68	Intracellular Protein Trafficking. , 2011, , 219-231.		0
69	Editorial: The Cell Biology of Protist Parasite-Host Interfaces. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 866421.	3.7	0
70	Title is missing!. , 2020, 16, e1008317.		0
71	Title is missing!. , 2020, 16, e1008317.		0
72	Title is missing!. , 2020, 16, e1008317.		0

#	ARTICLE	IF	CITATIONS
73	Title is missing!. , 2020, 16, e1008317.		0