Claudia M D'avila-Levy

List of Publications by Year
in descending order

77 papers	1,549 citations	279701 23 h-index	377752 34 g-index
78 all docs	78 docs citations	78 times ranked	1768 citing authors

#	Article	IF	Citations
1	Repositioning drug strategy against Trypanosoma cruzi: lessons learned from HIV aspartyl peptidase inhibitors. Memorias Do Instituto Oswaldo Cruz, 2022, 117, e210386.	0.8	0
2	Proteolytic inhibitors as alternative medicines to treat trypanosomatid-caused diseases: experience with calpain inhibitors. Memorias Do Instituto Oswaldo Cruz, 2022, 117, e220017.	0.8	1
3	Antileishmanial Efficacy of the Calpain Inhibitor MDL28170 in Combination with Amphotericin B. Tropical Medicine and Infectious Disease, 2022, 7, 29.	0.9	1
4	Differences in Charge Distribution in Leishmania tarentolae Leishmanolysin Result in a Reduced Enzymatic Activity. International Journal of Molecular Sciences, 2022, 23, 7660.	1.8	1
5	The Diverse Calpain Family in Trypanosomatidae: Functional Proteins Devoid of Proteolytic Activity?. Cells, 2021, 10, 299.	1.8	5
6	Vickermania gen. nov., trypanosomatids that use two joined flagella to resist midgut peristaltic flow within the fly host. BMC Biology, 2020, 18, 187.	1.7	17
7	First Draft Genome of the Trypanosomatid Herpetomonas muscarum ingenoplastis through MinION Oxford Nanopore Technology and Illumina Sequencing. Tropical Medicine and Infectious Disease, 2020, 5, 25.	0.9	4
8	Expression and cellular localisation of Trypanosoma cruzi calpains. Memorias Do Instituto Oswaldo Cruz, 2020, 115, e200142.	0.8	3
9	Analysing ambiguities in trypanosomatids taxonomy by barcoding. Memorias Do Instituto Oswaldo Cruz, 2020, 115, e200504.	0.8	4
10	Miltefosine-Lopinavir Combination Therapy Against Leishmania infantum Infection: In vitro and in vivo Approaches. Frontiers in Cellular and Infection Microbiology, 2019, 9, 229.	1.8	19
11	Participation ofTrypanosoma cruzigp63 molecules on the interaction withRhodnius prolixus. Parasitology, 2019, 146, 1075-1082.	0.7	12
12	Quantitative Proteomic Map of the Trypanosomatid Strigomonas culicis: The Biological Contribution of its Endosymbiotic Bacterium. Protist, 2019, 170, 125698.	0.6	5
13	Calpains of Leishmania braziliensis: genome analysis, differential expression, and functional analysis. Memorias Do Instituto Oswaldo Cruz, 2019, 114, e190147.	0.8	9
14	Primary evidence of the mechanisms of action of HIV aspartyl peptidase inhibitors on Trypanosoma cruzi trypomastigote forms. International Journal of Antimicrobial Agents, 2018, 52, 185-194.	1.1	25
15	Viral discovery and diversity in trypanosomatid protozoa with a focus on relatives of the human parasite Leishmania. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E506-E515.	3.3	75
16	Susceptibility of promastigotes and intracellular amastigotes from distinct Leishmania species to the calpain inhibitor MDL28170. Parasitology Research, 2018, 117, 2085-2094.	0.6	14
17	In vitroselection ofPhytomonas serpenscells resistant to the calpain inhibitor MDL28170: alterations in fitness and expression of the major peptidases and efflux pumps. Parasitology, 2018, 145, 355-370.	0.7	4
18	Docking simulation between HIV peptidase inhibitors and Trypanosoma cruzi aspartyl peptidase. BMC Research Notes, 2018, 11, 825.	0.6	18

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19	RNA viruses in trypanosomatid parasites: a historical overview. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e170487.	0.8	24
20	Lopinavir, an HIV-1 peptidase inhibitor, induces alteration on the lipid metabolism ofLeishmania amazonensispromastigotes. Parasitology, 2018, 145, 1304-1310.	0.7	13
21	Intestinal parasite infections in a rural community of Rio de Janeiro (Brazil): Prevalence and genetic diversity of Blastocystis subtypes. PLoS ONE, 2018, 13, e0193860.	1.1	54
22	In Vitro Inhibition of Leishmania Attachment to Sandfly Midguts and LL-5 Cells by Divalent Metal Chelators, Anti-gp63 and Phosphoglycans. Protist, 2017, 168, 326-334.	0.6	21
23	Deciphering the effects of nelfinavir and lopinavir on epimastigote forms of Trypanosoma cruzi. Parasitology International, 2017, 66, 529-536.	0.6	6
24	Hydrogen peroxide resistance in Strigomonas culicis: Effects on mitochondrial functionality and Aedes aegypti interaction. Free Radical Biology and Medicine, 2017, 113, 255-266.	1.3	10
25	The potent cell permeable calpain inhibitor MDL28170 affects the interaction of Leishmania amazonensis with macrophages and shows anti-amastigote activity. Parasitology International, 2017, 66, 579-583.	0.6	10
26	Development of conventional and real-time multiplex PCR-based assays for estimation of natural infection rates and Trypanosoma cruzi load in triatomine vectors. Parasites and Vectors, 2017, 10, 404.	1.0	23
27	Susceptibility of Phytomonas serpens to calpain inhibitors in vitro: interference on the proliferation, ultrastructure, cysteine peptidase expression and interaction with the invertebrate host. Memorias Do Instituto Oswaldo Cruz, 2017, 112, 31-43.	0.8	8
28	Molecular mechanisms of thermal resistance of the insect trypanosomatid Crithidia thermophila. PLoS ONE, 2017, 12, e0174165.	1.1	31
29	EDITORIAL: Old Drugs Ã— New Perspectives/New Compounds Ã— Old Necessities: Focusing on Combating Microbial Resistance â€“ Part I. Current Topics in Medicinal Chemistry, 2017, 17, 1117-1118.	1.0	2
30	The Widespread Anti-Protozoal Action of HIV Aspartic Peptidase Inhibitors: Focus on Plasmodium spp., Leishmania spp. and Trypanosoma cruzi. Current Topics in Medicinal Chemistry, 2017, 17, 1303-1317.	1.0	12
31	Protist Collections: Essential for Future Research. Trends in Parasitology, 2016, 32, 840-842.	1.5	7
32	HIV aspartic peptidase inhibitors are effective drugs against the trypomastigote form of the human pathogen Trypanosoma cruzi. International Journal of Antimicrobial Agents, 2016, 48, 440-444.	1.1	13
33	Nelfinavir and lopinavir impair Trypanosoma cruzi trypomastigote infection in mammalian host cells and show anti-amastigote activity. International Journal of Antimicrobial Agents, 2016, 48, 703-711.	1.1	18
34	Expression of calpain-like proteins and effects of calpain inhibitors on the growth rate of Angomonas deanei wild type and aposymbiotic strains. BMC Microbiology, 2015, 15, 188.	1.3	4
35	Exploring the environmental diversity of kinetoplastid flagellates in the high-throughput DNA sequencing era. Memorias Do Instituto Oswaldo Cruz, 2015, 110, 956-965.	0.8	75
36	Detection of proteases from Sporosarcina aquimarina and Algoriphagus antarcticus isolated from Antarctic soil. Anais Da Academia Brasileira De Ciencias, 2015, 87, 109-119.	0.3	12

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37	New Approaches to Systematics of Trypanosomatidae: Criteria for Taxonomic (Re)description. Trends in Parasitology, 2015, 31, 460-469.	1.5	79
38	Cruzipain: An Update on its Potential as Chemotherapy Target against the Human Pathogen Trypanosoma cruzi. Current Medicinal Chemistry, 2015, 22, 2225-2235.	1.2	21
39	Oral effectiveness of PMIC4, a novel hydroxyethylpiperazine analogue, in Leishmania amazonensis. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 210-213.	1.4	2
40	GP63 Function in the Interaction of Trypanosomatids with the Invertebrate Host: Facts and Prospects. Sub-Cellular Biochemistry, 2014, 74, 253-270.	1.0	18
41	The Calpain Inhibitor MDL28170 Induces the Expression of Apoptotic Markers in Leishmania amazonensis Promastigotes. PLoS ONE, 2014, 9, e87659.	1.1	33
42	Nelfinavir is effective in inhibiting the multiplication and aspartic peptidase activity of Leishmania species, including strains obtained from HIV-positive patients. Journal of Antimicrobial Chemotherapy, 2013, 68, 348-353.	1.3	31
43	Calpains: Potential Targets for Alternative Chemotherapeutic Intervention Against Human Pathogenic Trypanosomatids. Current Medicinal Chemistry, 2013, 20, 3174-3185.	1.2	42
44	Aspartic Peptidases of Human Pathogenic Trypanosomatids: Perspectives and Trends for Chemotherapy. Current Medicinal Chemistry, 2013, 20, 3116-3133.	1.2	33
45	Antimicrobial Action of Chelating Agents: Repercussions on the Microorganism Development, Virulence and Pathogenesis. Current Medicinal Chemistry, 2012, 19, 2715-2737.	1.2	58
46	Proteolytic profiling and comparative analyses of active trypsin-like serine peptidases in preimaginal stages of Culex quinquefasciatus. Parasites and Vectors, 2012, 5, 123.	1.0	14
47	Multiple effects of pepstatin A on Trypanosoma cruzi epimastigote forms. Parasitology Research, 2012, 110, 2533-2540.	0.6	10
48	Differential expression of cruzipain- and gp63-like molecules in the phytoflagellate trypanosomatid Phytomonas serpens induced by exogenous proteins. Experimental Parasitology, 2012, 130, 13-21.	0.5	3
49	CrATP interferes in the promastigote-macrophage interaction inLeishmania amazonensisinfection. Parasitology, 2011, 138, 960-968.	0.7	16
50	MDL28170, a Calpain Inhibitor, Affects Trypanosoma cruzi Metacyclogenesis, Ultrastructure and Attachment to Rhodnius prolixus Midgut. PLoS ONE, 2011, 6, e18371.	1.1	40
51	Leishmanolysin-like Molecules in Herpetomonas samuelpessoai Mediate Hydrolysis of Protein Substrates and Interaction with Insect. Protist, 2010, 161, 589-602.	0.6	15
52	Detection of matrix metallopeptidase-9-like proteins in Trypanosoma cruzi. Experimental Parasitology, 2010, 125, 256-263.	0.5	27
53	Influence of leishmanolysin-like molecules of Herpetomonas samuelpessoai on the interaction with macrophages. Microbes and Infection, 2010, 12, 1061-1070.	1.0	12
54	Effects of the calpain inhibitor MDL28170 on the clinically relevant forms of Trypanosoma cruzi in vitro. Journal of Antimicrobial Chemotherapy, 2010, 65, 1395-1398.	1.3	28

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55	Biological Roles of Peptidases in Trypanosomatids~!2009-11-26~!2010-02-15~!2010-03-18~!. The Open Parasitology Journal, 2010, 4, 5-23.	1.7	13
56	HIV Aspartyl Peptidase Inhibitors Interfere with Cellular Proliferation, Ultrastructure and Macrophage Infection of Leishmania amazonensis. PLoS ONE, 2009, 4, e4918.	1.1	66
57	Arrested growth ofTrypanosoma cruziby the calpain inhibitor MDL28170 and detection of calpain homologues in epimastigote forms. Parasitology, 2009, 136, 433-441.	0.7	35
58	Roles of the endosymbiont and leishmanolysin-like molecules expressed by Crithidia deanei in the interaction with mammalian fibroblasts. Experimental Parasitology, 2009, 121, 246-253.	0.5	9
59	Differential influence of gp63-like molecules in three distinct Leptomonas species on the adhesion to insect cells. Parasitology Research, 2009, 104, 347-353.	0.6	17
60	Cysteine proteinases from promastigotes of Leishmania (Viannia) braziliensis. Parasitology Research, 2009, 106, 95-104.	0.6	12
61	Bodo sp., a Freeâ€Living Flagellate, Expresses Divergent Proteolytic Activities from the Closely Related Parasitic Trypanosomatids. Journal of Eukaryotic Microbiology, 2009, 56, 454-458.	0.8	4
62	Sialoglycoconjugates inHerpetomonas megaseliae: role in the adhesion to insect host epithelial cells. FEMS Microbiology Letters, 2009, 295, 274-280.	0.7	3
63	Cysteine peptidases fromPhytomonas serpens: biochemical and immunological approaches. FEMS Immunology and Medical Microbiology, 2009, 57, 247-256.	2.7	5
64	Cysteine peptidases inHerpetomonas samuelpessoaiare modulated by temperature and dimethylsulfoxide-triggered differentiation. Parasitology, 2009, 136, 45-54.	0.7	13
65	Crithidia deanei: Influence of parasite gp63 homologue on the interaction of endosymbiont-harboring and aposymbiotic strains with Aedes aegypti midgut. Experimental Parasitology, 2008, 118, 345-353.	0.5	22
66	Cysteine peptidases in the tomato trypanosomatid Phytomonas serpens: Influence of growth conditions, similarities with cruzipain and secretion to the extracellular environment. Experimental Parasitology, 2008, 120, 343-352.	0.5	13
67	Phytomonas serpens: immunological similarities with the human trypanosomatid pathogens. Microbes and Infection, 2007, 9, 915-921.	1.0	33
68	Antileishmanial activity of MDL 28170, a potent calpain inhibitor. International Journal of Antimicrobial Agents, 2006, 28, 138-142.	1.1	28
69	The ubiquitous gp63-like metalloprotease from lower trypanosomatids: in the search for a function. Anais Da Academia Brasileira De Ciencias, 2006, 78, 687-714.	0.3	52
70	Gp63-Like Molecules in Phytomonas serpens: Possible Role in the Insect Interaction. Current Microbiology, 2006, 52, 439-444.	1.0	27
71	Phytomonas serpens: cysteine peptidase inhibitors interfere with growth, ultrastructure and host adhesion. International Journal for Parasitology, 2006, 36, 47-56.	1.3	29
72	Peptidases and gp63-like proteins in Herpetomonas megaseliae: Possible involvement in the adhesion to the invertebrate host. International Journal for Parasitology, 2006, 36, 415-422.	1.3	23

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73	Proteolytic expression inBlastocrithidia culicis: influence of the endosymbiont and similarities with virulence factors of pathogenic trypanosomatids. Parasitology, 2005, 130, 413-420.	0.7	26
74	Influence of the endosymbiont ofBlastocrithidia culicisandCrithidia deaneion the glycoconjugate expression and onAedes aegyptiinteraction. FEMS Microbiology Letters, 2005, 252, 279-286.	0.7	17
75	Production and partial characterization of extracellular proteinases from Streptomyces malaysiensis, isolated from a Brazilian cerrado soil. Archives of Microbiology, 2005, 184, 194-198.	1.0	10
76	A novel extracellular calcium-dependent cysteine proteinase from Crithidia deanei. Archives of Biochemistry and Biophysics, 2003, 420, 1-8.	1.4	29
77	Crithidia guilhermei: gelatin- and haemoglobin-degrading extracellular metalloproteinases. Experimental Parasitology, 2002, 102, 150-156.	0.5	21