

Claudia M D'avila-Levy

List of Publications by Year in descending order

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77
papers

1,549
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279701

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377752

34
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78
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docs citations

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times ranked

1768
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | New Approaches to Systematics of Trypanosomatidae: Criteria for Taxonomic (Re)description. Trends in Parasitology, 2015, 31, 460-469. | 1.5 | 79 |
| 2 | 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 |
| 3 | Viral discovery and diversity in trypanosomatid protozoa with a focus on relatives of the human parasite <i>Leishmania</i> . Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E506-E515. | 3.3 | 75 |
| 4 | HIV Aspartyl Peptidase Inhibitors Interfere with Cellular Proliferation, Ultrastructure and Macrophage Infection of <i>Leishmania amazonensis</i> . PLoS ONE, 2009, 4, e4918. | 1.1 | 66 |
| 5 | Antimicrobial Action of Chelating Agents: Repercussions on the Microorganism Development, Virulence and Pathogenesis. Current Medicinal Chemistry, 2012, 19, 2715-2737. | 1.2 | 58 |
| 6 | Intestinal parasite infections in a rural community of Rio de Janeiro (Brazil): Prevalence and genetic diversity of <i>Blastocystis</i> subtypes. PLoS ONE, 2018, 13, e0193860. | 1.1 | 54 |
| 7 | 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 |
| 8 | Calpains: Potential Targets for Alternative Chemotherapeutic Intervention Against Human Pathogenic Trypanosomatids. Current Medicinal Chemistry, 2013, 20, 3174-3185. | 1.2 | 42 |
| 9 | MDL28170, a Calpain Inhibitor, Affects <i>Trypanosoma cruzi</i> Metacyclogenesis, Ultrastructure and Attachment to <i>Rhodnius prolixus</i> Midgut. PLoS ONE, 2011, 6, e18371. | 1.1 | 40 |
| 10 | Arrested growth of <i>Trypanosoma cruzi</i> by the calpain inhibitor MDL28170 and detection of calpain homologues in epimastigote forms. Parasitology, 2009, 136, 433-441. | 0.7 | 35 |
| 11 | <i>Phytomonas serpens</i> : immunological similarities with the human trypanosomatid pathogens. Microbes and Infection, 2007, 9, 915-921. | 1.0 | 33 |
| 12 | Aspartic Peptidases of Human Pathogenic Trypanosomatids: Perspectives and Trends for Chemotherapy. Current Medicinal Chemistry, 2013, 20, 3116-3133. | 1.2 | 33 |
| 13 | The Calpain Inhibitor MDL28170 Induces the Expression of Apoptotic Markers in <i>Leishmania amazonensis</i> Promastigotes. PLoS ONE, 2014, 9, e87659. | 1.1 | 33 |
| 14 | Nelfinavir is effective in inhibiting the multiplication and aspartic peptidase activity of <i>Leishmania</i> species, including strains obtained from HIV-positive patients. Journal of Antimicrobial Chemotherapy, 2013, 68, 348-353. | 1.3 | 31 |
| 15 | Molecular mechanisms of thermal resistance of the insect trypanosomatid <i>Crithidia thermophila</i> . PLoS ONE, 2017, 12, e0174165. | 1.1 | 31 |
| 16 | A novel extracellular calcium-dependent cysteine proteinase from <i>Crithidia deanei</i> . Archives of Biochemistry and Biophysics, 2003, 420, 1-8. | 1.4 | 29 |
| 17 | <i>Phytomonas serpens</i> : cysteine peptidase inhibitors interfere with growth, ultrastructure and host adhesion. International Journal for Parasitology, 2006, 36, 47-56. | 1.3 | 29 |
| 18 | Antileishmanial activity of MDL 28170, a potent calpain inhibitor. International Journal of Antimicrobial Agents, 2006, 28, 138-142. | 1.1 | 28 |

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|----|---|-----|-----------|
| 19 | Effects of the calpain inhibitor MDL28170 on the clinically relevant forms of <i>Trypanosoma cruzi</i> in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1395-1398. | 1.3 | 28 |
| 20 | Gp63-Like Molecules in <i>Phytomonas serpens</i> : Possible Role in the Insect Interaction. <i>Current Microbiology</i> , 2006, 52, 439-444. | 1.0 | 27 |
| 21 | Detection of matrix metalloproteinase-9-like proteins in <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2010, 125, 256-263. | 0.5 | 27 |
| 22 | Proteolytic expression in <i>Blastocrithidia culicis</i> : influence of the endosymbiont and similarities with virulence factors of pathogenic trypanosomatids. <i>Parasitology</i> , 2005, 130, 413-420. | 0.7 | 26 |
| 23 | Primary evidence of the mechanisms of action of HIV aspartyl peptidase inhibitors on <i>Trypanosoma cruzi</i> trypomastigote forms. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 185-194. | 1.1 | 25 |
| 24 | RNA viruses in trypanosomatid parasites: a historical overview. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2018, 113, e170487. | 0.8 | 24 |
| 25 | Peptidases and gp63-like proteins in <i>Herpetomonas megaseliae</i> : Possible involvement in the adhesion to the invertebrate host. <i>International Journal for Parasitology</i> , 2006, 36, 415-422. | 1.3 | 23 |
| 26 | Development of conventional and real-time multiplex PCR-based assays for estimation of natural infection rates and <i>Trypanosoma cruzi</i> load in triatomine vectors. <i>Parasites and Vectors</i> , 2017, 10, 404. | 1.0 | 23 |
| 27 | <i>Crithidia deanei</i> : Influence of parasite gp63 homologue on the interaction of endosymbiont-harboring and aposymbiotic strains with <i>Aedes aegypti</i> midgut. <i>Experimental Parasitology</i> , 2008, 118, 345-353. | 0.5 | 22 |
| 28 | <i>Crithidia guilhermei</i> : gelatin- and haemoglobin-degrading extracellular metalloproteinases. <i>Experimental Parasitology</i> , 2002, 102, 150-156. | 0.5 | 21 |
| 29 | In Vitro Inhibition of <i>Leishmania</i> Attachment to Sandfly Midguts and LL-5 Cells by Divalent Metal Chelators, Anti-gp63 and Phosphoglycans. <i>Protist</i> , 2017, 168, 326-334. | 0.6 | 21 |
| 30 | Cruzipain: An Update on its Potential as Chemotherapy Target against the Human Pathogen <i>Trypanosoma cruzi</i> . <i>Current Medicinal Chemistry</i> , 2015, 22, 2225-2235. | 1.2 | 21 |
| 31 | Miltefosine-Lopinavir Combination Therapy Against <i>Leishmania infantum</i> Infection: In vitro and in vivo Approaches. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 229. | 1.8 | 19 |
| 32 | GP63 Function in the Interaction of Trypanosomatids with the Invertebrate Host: Facts and Prospects. <i>Sub-Cellular Biochemistry</i> , 2014, 74, 253-270. | 1.0 | 18 |
| 33 | Nelfinavir and lopinavir impair <i>Trypanosoma cruzi</i> trypomastigote infection in mammalian host cells and show anti-amastigote activity. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 703-711. | 1.1 | 18 |
| 34 | Docking simulation between HIV peptidase inhibitors and <i>Trypanosoma cruzi</i> aspartyl peptidase. <i>BMC Research Notes</i> , 2018, 11, 825. | 0.6 | 18 |
| 35 | Influence of the endosymbiont of <i>Blastocrithidia culicis</i> and <i>Crithidia deanei</i> on the glycoconjugate expression and on <i>Aedes aegypti</i> interaction. <i>FEMS Microbiology Letters</i> , 2005, 252, 279-286. | 0.7 | 17 |
| 36 | Differential influence of gp63-like molecules in three distinct <i>Leptomonas</i> species on the adhesion to insect cells. <i>Parasitology Research</i> , 2009, 104, 347-353. | 0.6 | 17 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | CrATP interferes in the promastigote-macrophage interaction in <i>Leishmania amazonensis</i> infection. Parasitology, 2011, 138, 960-968. | 0.7 | 16 |
| 39 | Leishmanolysin-like Molecules in <i>Herpetomonas samuelpessoai</i> Mediate Hydrolysis of Protein Substrates and Interaction with Insect. Protist, 2010, 161, 589-602. | 0.6 | 15 |
| 40 | Proteolytic profiling and comparative analyses of active trypsin-like serine peptidases in preimaginal stages of <i>Culex quinquefasciatus</i> . Parasites and Vectors, 2012, 5, 123. | 1.0 | 14 |
| 41 | Susceptibility of promastigotes and intracellular amastigotes from distinct <i>Leishmania</i> species to the calpain inhibitor MDL28170. Parasitology Research, 2018, 117, 2085-2094. | 0.6 | 14 |
| 42 | Cysteine peptidases in the tomato trypanosomatid <i>Phytomonas serpens</i> : Influence of growth conditions, similarities with cruzipain and secretion to the extracellular environment. Experimental Parasitology, 2008, 120, 343-352. | 0.5 | 13 |
| 43 | Cysteine peptidases in <i>Herpetomonas samuelpessoai</i> are modulated by temperature and dimethylsulfoxide-triggered differentiation. Parasitology, 2009, 136, 45-54. | 0.7 | 13 |
| 44 | HIV aspartic peptidase inhibitors are effective drugs against the trypomastigote form of the human pathogen <i>Trypanosoma cruzi</i> . International Journal of Antimicrobial Agents, 2016, 48, 440-444. | 1.1 | 13 |
| 45 | Lopinavir, an HIV-1 peptidase inhibitor, induces alteration on the lipid metabolism of <i>Leishmania amazonensis</i> promastigotes. Parasitology, 2018, 145, 1304-1310. | 0.7 | 13 |
| 46 | 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 |
| 47 | Cysteine proteinases from promastigotes of <i>Leishmania (Viannia) braziliensis</i> . Parasitology Research, 2009, 106, 95-104. | 0.6 | 12 |
| 48 | Influence of leishmanolysin-like molecules of <i>Herpetomonas samuelpessoai</i> on the interaction with macrophages. Microbes and Infection, 2010, 12, 1061-1070. | 1.0 | 12 |
| 49 | Detection of proteases from <i>Sporosarcina aquimarina</i> and <i>Algoriphagus antarcticus</i> isolated from Antarctic soil. Anais Da Academia Brasileira De Ciencias, 2015, 87, 109-119. | 0.3 | 12 |
| 50 | Participation of <i>Trypanosoma cruzi</i> gp63 molecules on the interaction with <i>Rhodnius prolixus</i> . Parasitology, 2019, 146, 1075-1082. | 0.7 | 12 |
| 51 | The Widespread Anti-Protozoal Action of HIV Aspartic Peptidase Inhibitors: Focus on <i>Plasmodium</i> spp., <i>Leishmania</i> spp. and <i>Trypanosoma cruzi</i> . Current Topics in Medicinal Chemistry, 2017, 17, 1303-1317. | 1.0 | 12 |
| 52 | Production and partial characterization of extracellular proteinases from <i>Streptomyces malaysiensis</i> , isolated from a Brazilian cerrado soil. Archives of Microbiology, 2005, 184, 194-198. | 1.0 | 10 |
| 53 | Multiple effects of pepstatin A on <i>Trypanosoma cruzi</i> epimastigote forms. Parasitology Research, 2012, 110, 2533-2540. | 0.6 | 10 |
| 54 | Hydrogen peroxide resistance in <i>Strigomonas culicis</i> : Effects on mitochondrial functionality and <i>Aedes aegypti</i> interaction. Free Radical Biology and Medicine, 2017, 113, 255-266. | 1.3 | 10 |

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|----|--|-----|-----------|
| 55 | The potent cell permeable calpain inhibitor MDL28170 affects the interaction of <i>Leishmania amazonensis</i> with macrophages and shows anti-amastigote activity. <i>Parasitology International</i> , 2017, 66, 579-583. | 0.6 | 10 |
| 56 | Roles of the endosymbiont and leishmanolysin-like molecules expressed by <i>Crithidia deanei</i> in the interaction with mammalian fibroblasts. <i>Experimental Parasitology</i> , 2009, 121, 246-253. | 0.5 | 9 |
| 57 | Calpains of <i>Leishmania braziliensis</i> : genome analysis, differential expression, and functional analysis. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2019, 114, e190147. | 0.8 | 9 |
| 58 | Susceptibility of <i>Phytomonas serpens</i> to calpain inhibitors in vitro: interference on the proliferation, ultrastructure, cysteine peptidase expression and interaction with the invertebrate host. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2017, 112, 31-43. | 0.8 | 8 |
| 59 | Protist Collections: Essential for Future Research. <i>Trends in Parasitology</i> , 2016, 32, 840-842. | 1.5 | 7 |
| 60 | Deciphering the effects of nelfinavir and lopinavir on epimastigote forms of <i>Trypanosoma cruzi</i> . <i>Parasitology International</i> , 2017, 66, 529-536. | 0.6 | 6 |
| 61 | Cysteine peptidases from <i>Phytomonas serpens</i> : biochemical and immunological approaches. <i>FEMS Immunology and Medical Microbiology</i> , 2009, 57, 247-256. | 2.7 | 5 |
| 62 | Quantitative Proteomic Map of the Trypanosomatid <i>Strigomonas culicis</i> : The Biological Contribution of its Endosymbiotic Bacterium. <i>Protist</i> , 2019, 170, 125698. | 0.6 | 5 |
| 63 | The Diverse Calpain Family in Trypanosomatidae: Functional Proteins Devoid of Proteolytic Activity?. <i>Cells</i> , 2021, 10, 299. | 1.8 | 5 |
| 64 | <i>Bodo</i> sp., a Free-Living Flagellate, Expresses Divergent Proteolytic Activities from the Closely Related Parasitic Trypanosomatids. <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 454-458. | 0.8 | 4 |
| 65 | Expression of calpain-like proteins and effects of calpain inhibitors on the growth rate of <i>Angomonas deanei</i> wild type and aposymbiotic strains. <i>BMC Microbiology</i> , 2015, 15, 188. | 1.3 | 4 |
| 66 | In vitro selection of <i>Phytomonas serpens</i> cells resistant to the calpain inhibitor MDL28170: alterations in fitness and expression of the major peptidases and efflux pumps. <i>Parasitology</i> , 2018, 145, 355-370. | 0.7 | 4 |
| 67 | First Draft Genome of the Trypanosomatid <i>Herpetomonas muscarum ingenoplastis</i> through MinION Oxford Nanopore Technology and Illumina Sequencing. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 25. | 0.9 | 4 |
| 68 | Analysing ambiguities in trypanosomatids taxonomy by barcoding. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2020, 115, e200504. | 0.8 | 4 |
| 69 | Sialoglycoconjugates in <i>Herpetomonas megaseliae</i> : role in the adhesion to insect host epithelial cells. <i>FEMS Microbiology Letters</i> , 2009, 295, 274-280. | 0.7 | 3 |
| 70 | Differential expression of cruzipain- and gp63-like molecules in the phytflagellate trypanosomatid <i>Phytomonas serpens</i> induced by exogenous proteins. <i>Experimental Parasitology</i> , 2012, 130, 13-21. | 0.5 | 3 |
| 71 | Expression and cellular localisation of <i>Trypanosoma cruzi</i> calpains. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2020, 115, e200142. | 0.8 | 3 |
| 72 | Oral effectiveness of PMIC4, a novel hydroxyethylpiperazine analogue, in <i>Leishmania amazonensis</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2014, 4, 210-213. | 1.4 | 2 |

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|----|---|-----|-----------|
| 73 | EDITORIAL: Old Drugs – New Perspectives/New Compounds – Old Necessities: Focusing on Combating Microbial Resistance – Part I. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1117-1118. | 1.0 | 2 |
| 74 | Proteolytic inhibitors as alternative medicines to treat trypanosomatid-caused diseases: experience with calpain inhibitors. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2022, 117, e220017. | 0.8 | 1 |
| 75 | Antileishmanial Efficacy of the Calpain Inhibitor MDL28170 in Combination with Amphotericin B. <i>Tropical Medicine and Infectious Disease</i> , 2022, 7, 29. | 0.9 | 1 |
| 76 | Differences in Charge Distribution in <i>Leishmania tarentolae</i> Leishmanolysin Result in a Reduced Enzymatic Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7660. | 1.8 | 1 |
| 77 | Repositioning drug strategy against <i>Trypanosoma cruzi</i> : lessons learned from HIV aspartyl peptidase inhibitors. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2022, 117, e210386. | 0.8 | 0 |