

# Maria Cristina Machado Motta

## List of Publications by Year in descending order

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80  
papers

1,632  
citations

257101

24  
h-index

377514

34  
g-index

81  
all docs

81  
docs citations

81  
times ranked

1685  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endosymbiosis in trypanosomatids: the genomic cooperation between bacterium and host in the synthesis of essential amino acids is heavily influenced by multiple horizontal gene transfers. <i>BMC Evolutionary Biology</i> , 2013, 13, 190.	3.2	70
2	Unveiling Benzimidazole's mechanism of action through overexpression of DNA repair proteins in <i>Trypanosoma cruzi</i> . <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 309-321.	0.9	70
3	Endosymbiosis in protozoa of the Trypanosomatidae family. <i>FEMS Microbiology Letters</i> , 1999, 173, 1-8.	0.7	67
4	HIV Aspartyl Peptidase Inhibitors Interfere with Cellular Proliferation, Ultrastructure and Macrophage Infection of <i>Leishmania amazonensis</i> . <i>PLoS ONE</i> , 2009, 4, e4918.	1.1	66
5	Predicting the Proteins of <i>Angomonas deanei</i> , <i>Strigomonas culicis</i> and Their Respective Endosymbionts Reveals New Aspects of the Trypanosomatidae Family. <i>PLoS ONE</i> , 2013, 8, e60209.	1.1	55
6	Biosynthesis of Vitamins and Cofactors in Bacterium-Harboring Trypanosomatids Depends on the Symbiotic Association as Revealed by Genomic Analyses. <i>PLoS ONE</i> , 2013, 8, e79786.	1.1	49
7	Target of Rapamycin (TOR)-like 1 Kinase Is Involved in the Control of Polyphosphate Levels and Acidocalcisome Maintenance in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 24131-24140.	1.6	43
8	Chromosome Localization Changes in the <i>Trypanosoma cruzi</i> Nucleus. <i>Eukaryotic Cell</i> , 2002, 1, 944-953.	3.4	38
9	Interaction of insect trypanosomatids with mosquitoes, sand fly and the respective insect cell lines. <i>International Journal for Parasitology</i> , 2003, 33, 1019-1026.	1.3	38
10	<i>Trypanosoma cruzi</i> bromodomain factor 2 (BDF2) binds to acetylated histones and is accumulated after UV irradiation. <i>International Journal for Parasitology</i> , 2009, 39, 665-673.	1.3	38
11	Distinct acetylation of <i>Trypanosoma cruzi</i> histone H4 during cell cycle, parasite differentiation, and after DNA damage. <i>Chromosoma</i> , 2009, 118, 487-499.	1.0	37
12	The Bacterium Endosymbiont of <i>Crithidia deanei</i> Undergoes Coordinated Division with the Host Cell Nucleus. <i>PLoS ONE</i> , 2010, 5, e12415.	1.1	37
13	Effect of topoisomerase inhibitors and DNA-binding drugs on the cell proliferation and ultrastructure of <i>Trypanosoma cruzi</i> . <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 449-456.	1.1	36
14	Kinetoplast as a Potential Chemotherapeutic Target of Trypanosomatids. <i>Current Pharmaceutical Design</i> , 2008, 14, 847-854.	0.9	33
15	A lupane-triterpene isolated from <i>Combretum leprosum</i> Mart. fruit extracts that interferes with the intracellular development of <i>Leishmania (L.) amazonensis</i> in vitro. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 165.	3.7	33
16	Effects of sterol biosynthesis inhibitors on endosymbiont-bearing trypanosomatids. <i>FEMS Microbiology Letters</i> , 2006, 255, 33-42.	0.7	30
17	Endosymbiosis in trypanosomatid protozoa: the bacterium division is controlled during the host cell cycle. <i>Frontiers in Microbiology</i> , 2015, 6, 520.	1.5	30
18	DNA polymerase beta from <i>Trypanosoma cruzi</i> is involved in kinetoplast DNA replication and repair of oxidative lesions. <i>Molecular and Biochemical Parasitology</i> , 2012, 183, 122-131.	0.5	29

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19	How <i>Trypanosoma cruzi</i> handles cell cycle arrest promoted by camptothecin, a topoisomerase I inhibitor. <i>Molecular and Biochemical Parasitology</i> , 2014, 193, 93-100.	0.5	29
20	<i>Herpetomonas roitmani</i> (Fiorini et al., 1989) N. Comb.: A Trypanosomatid with a Bacterium-like Endosymbiont in the Cytoplasm. <i>Journal of Protozoology</i> , 1991, 38, 489-494.	0.9	28
21	Small-Subunit rRNA Processome Proteins Are Translationally Regulated during Differentiation of <i>Trypanosoma cruzi</i> . <i>Eukaryotic Cell</i> , 2007, 6, 337-345.	3.4	28
22	Endosymbiosis in protozoa of the Trypanosomatidae family. <i>FEMS Microbiology Letters</i> , 1999, 173, 1-8.	0.7	27
23	The effect of topoisomerase II inhibitors on the kinetoplast ultrastructure. <i>Parasitology Research</i> , 2004, 94, 439-448.	0.6	26
24	Structure, Properties, and Function of Glycosomes in <i>Trypanosoma cruzi</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 25.	1.8	25
25	<i>Trypanosoma cruzi</i> Bromodomain Factor 3 Binds Acetylated $\alpha$ -Tubulin and Concentrates in the Flagellum during Metacyclogenesis. <i>Eukaryotic Cell</i> , 2014, 13, 822-831.	3.4	24
26	An Essential Nuclear Protein in Trypanosomes Is a Component of mRNA Transcription/Export Pathway. <i>PLoS ONE</i> , 2011, 6, e20730.	1.1	24
27	Genetic and biological characterization of a densovirus isolate that affects dengue virus infection. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011, 106, 285-292.	0.8	23
28	<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
29	Detection of Penicillin-binding Proteins in the Endosymbiont of the Trypanosomatid <i>Crithidia deanei</i> . <i>Journal of Eukaryotic Microbiology</i> , 1997, 44, 492-496.	0.8	21
30	Morphological and biochemical characterization of the trypanosomatids <i>Crithidia desouzai</i> and <i>Herpetomonas angusteri</i> . <i>Canadian Journal of Zoology</i> , 1991, 69, 571-577.	0.4	20
31	Immunocytochemical detection of DNA and RNA in endosymbiont-bearing trypanosomatids. <i>FEMS Microbiology Letters</i> , 2003, 221, 17-23.	0.7	19
32	Colonization of <i>Aedes aegypti</i> midgut by the endosymbiont-bearing trypanosomatid <i>Blastocrithidia culicis</i> . <i>Parasitology Research</i> , 2006, 99, 384-391.	0.6	19
33	<i>Trypanosoma cruzi</i> DNA replication includes the sequential recruitment of pre-replication and replication machineries close to nuclear periphery. <i>Nucleus</i> , 2011, 2, 136-145.	0.6	19
34	Glycosomal bromodomain factor 1 from <i>Trypanosoma cruzi</i> enhances trypomastigote cell infection and intracellular amastigote growth. <i>Biochemical Journal</i> , 2016, 473, 73-85.	1.7	19
35	Endosymbiosis in Trypanosomatids as a Model to Study Cell Evolution. <i>The Open Parasitology Journal</i> , 2010, 4, 139-147.	1.7	19
36	An endosymbiont positively modulates ornithine decarboxylase in host trypanosomatids. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 443-449.	1.0	18

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37	Unveiling the effects of berenil, a DNA-binding drug, on <i>Trypanosoma cruzi</i> : implications for kDNA ultrastructure and replication. <i>Parasitology Research</i> , 2015, 114, 419-430.	0.6	18
38	Expression and subcellular localization of kinetoplast-associated proteins in the different developmental stages of <i>Trypanosoma cruzi</i> . <i>BMC Microbiology</i> , 2009, 9, 120.	1.3	17
39	Interactions between 4-aminoquinoline and heme: Promising mechanism against <i>Trypanosoma cruzi</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2016, 6, 154-164.	1.4	17
40	The Symbiotic Bacterium Fuels the Energy Metabolism of the Host Trypanosomatid <i>Strigomonas culicis</i> . <i>Protist</i> , 2017, 168, 253-269.	0.6	17
41	Phosphatidylcholine synthesis in <i>Crithidia deanei</i> : the influence of the endosymbiont. <i>FEMS Microbiology Letters</i> , 2007, 275, 229-236.	0.7	16
42	The presence of a symbiotic bacterium in <i>Strigomonas culicis</i> is related to differential ecto-phosphatase activity and influences the mosquito-protozoa interaction. <i>International Journal for Parasitology</i> , 2013, 43, 571-577.	1.3	16
43	HIV-1 infection and HIV-1 Tat protein permit the survival and replication of a non-pathogenic trypanosomatid in macrophages through TGF- $\beta$ 1 production. <i>Microbes and Infection</i> , 2008, 10, 642-649.	1.0	15
44	Identification of a Novel Nucleocytoplasmic Shuttling RNA Helicase of Trypanosomes. <i>PLoS ONE</i> , 2014, 9, e109521.	1.1	15
45	Effects of camptothecin derivatives and topoisomerase dual inhibitors on <i>Trypanosoma cruzi</i> growth and ultrastructure. <i>Journal of Negative Results in BioMedicine</i> , 2014, 13, 11.	1.4	15
46	The kinetoplast ultrastructural organization of endosymbiont-bearing trypanosomatids as revealed by deep-etching, cytochemical and immunocytochemical analysis. <i>Histochemistry and Cell Biology</i> , 2008, 130, 1177-1185.	0.8	14
47	Molecular characterization and intracellular distribution of the alpha 5 subunit of <i>Trypanosoma cruzi</i> 20S proteasome. <i>Parasitology International</i> , 2009, 58, 367-374.	0.6	14
48	Overexpression of <i>Trypanosoma cruzi</i> High Mobility Group B protein (TcHMGB) alters the nuclear structure, impairs cytokinesis and reduces the parasite infectivity. <i>Scientific Reports</i> , 2019, 9, 192.	1.6	14
49	Acriflavine treatment promotes dyskinetoplasty in <i>Trypanosoma cruzi</i> as revealed by ultrastructural analysis. <i>Parasitology</i> , 2013, 140, 1422-1431.	0.7	13
50	Structural Characterization of the Cell Division Cycle in <i>Strigomonas culicis</i> , an Endosymbiont-Bearing Trypanosomatid. <i>Microscopy and Microanalysis</i> , 2014, 20, 228-237.	0.2	13
51	Identification and ultrastructural characterization of the <i>Wolbachia</i> symbiont in <i>Litomosoides chagasfilhoi</i> . <i>Parasites and Vectors</i> , 2015, 8, 74.	1.0	13
52	Lopinavir, an HIV-1 peptidase inhibitor, induces alteration on the lipid metabolism of <i>Leishmania amazonensis</i> promastigotes. <i>Parasitology</i> , 2018, 145, 1304-1310.	0.7	13
53	Trichostatin A induces <i>Trypanosoma cruzi</i> histone and tubulin acetylation: effects on cell division and microtubule cytoskeleton remodelling. <i>Parasitology</i> , 2019, 146, 543-552.	0.7	13
54	Chaetocin A histone methyltransferase inhibitor impairs proliferation, arrests cell cycle and induces nucleolar disassembly in <i>Trypanosoma cruzi</i> . <i>Acta Tropica</i> , 2017, 170, 149-160.	0.9	12

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55	Expanded repertoire of kinetoplast associated proteins and unique mitochondrial DNA arrangement of symbiont-bearing trypanosomatids. PLoS ONE, 2017, 12, e0187516.	1.1	12
56	Chromosomal assembly of the nuclear genome of the endosymbiont-bearing trypanosomatid <i>Angomonas deanei</i> . G3: Genes, Genomes, Genetics, 2021, 11, 1-7.	0.8	12
57	Interaction of the monoxenic trypanosomatid <i>Blastocrithidia culicis</i> with the <i>Aedes aegypti</i> salivary gland. Acta Tropica, 2010, 113, 269-278.	0.9	11
58	Mitochondrial respiration and genomic analysis provide insight into the influence of the symbiotic bacterium on host trypanosomatid oxygen consumption. Parasitology, 2015, 142, 352-362.	0.7	11
59	The Microtubule Analog Protein, FtsZ, in the Endosymbiont of Trypanosomatid Protozoa. Journal of Eukaryotic Microbiology, 2004, 51, 394-401.	0.8	10
60	<i>Trypanosoma cruzi</i> : cloning and characterization of two genes whose expression is up-regulated in metacyclic trypomastigotes. Acta Tropica, 2004, 90, 171-179.	0.9	8
61	L-Proline uptake in <i>Crithidia deanei</i> is influenced by its endosymbiont bacterium. FEMS Microbiology Letters, 2008, 283, 15-22.	0.7	8
62	Characterization of a porin channel in the endosymbiont of the trypanosomatid protozoan <i>Crithidia deanei</i> . Microbiology (United Kingdom), 2011, 157, 2818-2830.	0.7	7
63	Tubastatin A, a deacetylase inhibitor, as a tool to study the division, cell cycle and microtubule cytoskeleton of trypanosomatids. European Journal of Protistology, 2021, 80, 125821.	0.5	7
64	Cloning and characterization of a gene encoding a putative protein associated with U3 small nucleolar ribonucleoprotein in <i>Trypanosoma cruzi</i> . Molecular and Biochemical Parasitology, 2003, 126, 113-117.	0.5	6
65	Biochemical and phylogenetic analyses of phosphatidylinositol production in <i>Angomonas deanei</i> , an endosymbiont-harboring trypanosomatid. Parasites and Vectors, 2015, 8, 247.	1.0	6
66	Symbiont modulates expression of specific gene categories in <i>Angomonas deanei</i> . Memórias Do Instituto Oswaldo Cruz, 2016, 111, 686-691.	0.8	6
67	Reduction of Tubulin Expression in <i>Angomonas deanei</i> by RNAi Modifies the Ultrastructure of the Trypanosomatid Protozoan and Impairs Division of Its Endosymbiotic Bacterium. Journal of Eukaryotic Microbiology, 2016, 63, 794-803.	0.8	6
68	HTLV-1-infected thymic epithelial cells convey the virus to CD4 + T lymphocytes. Immunobiology, 2017, 222, 1053-1063.	0.8	6
69	Antileishmanial activity of the essential oils of <i>Myrcia ovata</i> Cambess. and <i>Eremanthus erythropappus</i> (DC) McLeisch leads to parasite mitochondrial damage. Natural Product Research, 2021, 35, 6117-6121.	1.0	6
70	The effect of the biflavonoid 2,3-dihydrochrysoflavone on <i>Trypanosoma cruzi</i> Y strain. Parasitology International, 2020, 79, 102180.	0.6	6
71	Quantitative Proteomic Map of the Trypanosomatid <i>Strigomonas culicis</i> : The Biological Contribution of its Endosymbiotic Bacterium. Protist, 2019, 170, 125698.	0.6	5
72	The Importance of Glycerophospholipid Production to the Mutualist Symbiosis of Trypanosomatids. Pathogens, 2022, 11, 41.	1.2	5

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73	Molecular characterization of type II topoisomerase in the endosymbiont-bearing Trypanosomatid <i>Blastocrithidia culicis</i> . <i>FEMS Microbiology Letters</i> , 2006, 257, 163-170.	0.7	4
74	<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
75	Alpha-Tubulin Acetylation in <i>Trypanosoma cruzi</i> : A Dynamic Instability of Microtubules Is Required for Replication and Cell Cycle Progression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 642271.	1.8	4
76	Electron Microscopy Techniques Applied to Symbiont-Harboring Trypanosomatids: The Association of the Bacterium with Host Organelles. <i>Methods in Molecular Biology</i> , 2020, 2116, 425-447.	0.4	3
77	Effects of miltefosine on the proliferation, ultrastructure, and phospholipid composition of <i>Angomonas deanei</i> , a trypanosomatid protozoan that harbors a symbiotic bacterium. <i>FEMS Microbiology Letters</i> , 2012, 333, 129-137.	0.7	2
78	Intracellular lectin-binding sites in symbiont-bearing <i>Crithidia</i> species. <i>Parasitology Research</i> , 1993, 79, 551-558.	0.6	1
79	Importance of <i>Angomonas deanei</i> KAP4 for kDNA arrangement, cell division and maintenance of the host-bacterium relationship. <i>Scientific Reports</i> , 2021, 11, 9210.	1.6	1
80	Effect of the endoplasmic reticulum stressor tunicamycin in <i>Angomonas deanei</i> heat-shock protein expression and on the association with the endosymbiotic bacterium. <i>Experimental Cell Research</i> , 2022, , 113162.	1.2	1