

## Laboratório de Biologia Celular

2006

### **Indexado (fator de impacto > 0,65 a 2,0)**

Souza EM, Menna-Barreto RFS, Araújo-Jorge TC, Kumar A, Hu Q, Boykin DW, Soeiro MNC 2006. Antiparasitic activity of aromatic diamidines is related to apoptosis-like death in *Trypanosoma cruzi*. Parasitology 133: 75-79.

Paulino N, Teixeira C, Martins R, Scremen A, Dirsch VM, Vollmar AM, Abreu SR, de Castro SL, Marcucci MC 2006. Evaluation of the analgesic and anti-inflammatory effects of a Brazilian green propolis.. Planta Med 72: 899-906.

Dantas AP, Salomão K, Barbosa HS, Castro SL 2006. The effect of Bulgarian propolis against *Trypanosoma cruzi* and during its interaction with host cells. Mem I Oswaldo Cruz (impresso) 101: 207-211.

Dantas AP, Olivieri BP, Gomes FH, de Castro SL 2006. Treatment of *Trypanosoma cruzi*-infected mice with propolis promotes changes in the immune response. J Ethnopharmacol 103: 187-193.

Olivieri BP, Souza AP, Cotta-de-Almeida V, de Castro SL, Araújo-Jorge TC 2006. *Trypanosoma cruzi*: alteration in the lymphoid compartments following interruption of infection by early acute benznidazole therapy in mice. Exp Parasitol 114: 228-234.

Santa-Rita RM, Barbosa HS, Castro SL 2006. Ultrastructural analysis of edelfosine-treated trypomastigotes and amastigotes of *Trypanosoma cruzi*. Parasitol Res 100: 187-190.

### **Indexado (fator de impacto >2,0 a 4,0)**

Meis J, Mendes-da-Cruz DA, Farias-de-Oliveira DAF, Corrêa-de-Santana EC, Pinto-Mariz F, Cotta-de-Almeida V, Bonomo A, Savino W 2006. Atrophy of mesenteric lymph nodes in experimental Chagas' disease: differential role of Fas/Fas-L and TNFRI/TNF pathways. Microbes Infect 8: 221-231.

Silva RS, Costa EM, Trindade UL, Teixeira DV, Pinto MC, Santos GL, Malta VR, de Simone AC, Pinto AV, de Castro SL 2006. Synthesis of naphthofuranquinones with activity against *Trypanosoma cruzi*. Eur J Med Chem 41: 526-530.

Souza EM, Oliveira GM, Boykin DW, Kumar A, Hu Q, Soeiro MNC 2006. Trypanocidal activity of the phenyl-substituted analogue of furamidine DB569 against *Trypanosoma cruzi* infection in vivo. J Antimicrob Chemoth 58: 610-614.

Batista, DGJ, Silva CF, Mota RA, Costa LC, Meirelles MNL, Meuser-Batista M, Soeiro MNC 2006. *Trypanosoma cruzi* modulates the expression of Rabs and alters the endocytosis in mouse cardiomyocytes in vitro. J Histochem Cytochem 54: 605-614.

### **Indexado (fator de impacto >4,0)**

Mendes-da-Cruz DA, Silva JS, Cotta-de-Almeida V, Savino W 2006. Altered thymocyte migration during experimental acute *Trypanosoma cruzi* infection: combined role of fibronectin and the chemokines CXCL12 and CCL4. Eur J Immunol 36: 1486-1493.

**2007**

**Indexado (fator de impacto <0,65 e não impactadas no ISI)**

Aguiar AL, Martins CJ, M Meuser-Batista, Carvalho VF, Barreto EO, E Silva PM, Corte-Real S, Baetas da Cruz W 2007. A case of keratoacanthoma centrifugum marginatum with a curious mast cell accumulation at tumour sites. *J Eur Acad Dermatol Venereol* 21: 392-435.

Carvalho A, Menna-Barreto RFS, Romeiro N, Castro SL, Boechat N 2007. Design, synthesis and activity against *Trypanosoma cruzi* of azaheterocyclic analogues of megazol.. *Med Chem Res* 3: 460-465.

Cardona TS, Spiegel CN, Alves GG, Ducommun J, Henriques-Pons A, Araujo-Jorge TC 2007. Introducing DNA concepts to swiss high school students based on a Brazilian educational game. *Biochem Mol Biol Edu* 35: 416-421.

**Indexado (fator de impacto > 0,65 a 2,0)**

Machado GM, Leon LL, Castro SL 2007. Activity of Brazilian and Bulgarian propolis against different species of *Leishmania*. *Mem I Oswaldo Cruz (impresso)* 102: 73-77.

Soeiro MNC, Souza EM, Boykin DW 2007. Anti-parasitic activity of aromatic diamidines and their patented literature. *Expert Opin Ther Pat* 12: 235-240.

Santoro GF, das Graças Cardoso M, Guimarães LG, Salgado AP, Menna-Barreto RF, Soares MJ 2007. Effect of oregano (*Origanum vulgare L.*) and thyme (*Thymus vulgaris L.*) essential oils on *Trypanosoma cruzi* (Protozoa: Kinetoplastida) growth and ultrastructure. *Parasitol Res* 100: 783-790.

Souza EM, Oliveira GM, Soeiro MN 2007. Electrocardiographic Findings in Acutely and Chronically *T. cruzi*-infected Mice Treated by a Phenyl-Substituted Analogue of Furamidine DB569.. *J Drug Target* 2: 61-69.

Menna-Barreto RFS, Correa JR, Pinto AV, Soares MJ, Castro SL 2007. Mitochondrial disruption and DNA fragmentation in *Trypanosoma cruzi* induced by naphthoimidazoles synthesized from beta-lapachone. *Parasitol Res* 101: 895-905.

Santoro GF, Cardoso M, Mendonça L, Soares MJ 2007. *Trypanosoma cruzi*: activity of essential oils from *Achillea millefolium L.*, *Syzygium aromaticum L.* and *Ocimum basilicum L.* on epimastigotes and trypomastigotes. *Exp Parasitol* 116: 283-290.

Adade CM, Castro SL, Soares MJ 2007. Ultrastructural localization of *Trypanosoma cruzi* lysosomes by aryl sulphatase cytochemistry. *Micron* 38: 252-256.

**Indexado (fator de impacto >2,0 a 4,0)**

Silva CF, Batista MM, Mota RA, Souza EM, Stephens CE, Som P, Boykin DW, Soeiro MNC 2007. Activity of "reversed" diamidines against *Trypanosoma cruzi* "in vitro". *Biochem Pharmacol* 73: 1939-1946.

Correa JR, Atella G, Menna-Barreto RFS, Soares MJ 2007. Clathrin in *Trypanosoma cruzi*: in silico gene identification, isolation, and localization of protein expression sites. *J Eukaryot*

Microbiol 54: 297-302.

Adade CM, Figueiredo RC, Castro SL, Soares MJ 2007. Effect of L-leucine methyl ester on growth and ultrastructure of *Trypanosoma cruzi*. Acta Trop 101: 67-79.

#### **Indexado (fator de impacto >4,0)**

Silva CF, Marcos Meuser Batista, Souza EM, Meirelles MNL, Stephens CE, Som P, Boykin DW, Soeiro MNC 2007. Cellular effects of reversed amidines on *Trypanosoma cruzi*. Antimicrob Agents Ch 51: 3803-3809.

Oliveira GM, Diniz RL, Batista WS, Batista MM, Bani CB, Araújo-Jorge TC, Henriques-Pons A 2007. Fas Ligand-Dependent Inflammatory Regulation in Acute Myocarditis Induced by *Trypanosoma cruzi* Infection.. Am J Pathol 171: 79-86.

Nguyen DD, Maillard MH, Cotta-de-Almeida V, Mizoguchi E, Klein C, Fuss I, Nagler C, Mizoguchi A, Bhan AK, Snapper SB 2007. Lymphocyte-Dependent and Th2 Cytokine-Associated Colitis in Mice Deficient in Wiskott-Aldrich Syndrome Protein. Gastroenterology 133: 1188-1197.

Waghabi MC, Keramidas M, Calvet CM, Meuser M, Soeiro MNC, Mendonça-Lima L, Araujo-Jorge TC, Feige JJ, Bailly S 2007. SB-431542, a transforming growth factor beta inhibitor, impairs *Trypanosoma cruzi* infection in cardiomyocytes and parasite. Antimicrob Agents Ch 51: 2905-2910.

Maillard MH, Cotta-de-Almeida V, Takeshima F, Nguyen DD, Michetti P, Nagler C, Bhan AK, Snapper SB 2007. The Wiskott-aldrich syndrome protein is required for the function of CD4(+)CD25(+)Foxp3(+) regulatory T cells. J Exp Med 204: 381-391.

#### **2008**

##### **Indexado ( > 0,65 a 2,0)**

**doi:** Menna-Barreto, RFS, Laranja, GAT, Silva, MCC, Coelho, MGP, Paes, MC, Oliveira, MM, Castro, SL 2008. Anti-*Trypanosoma cruzi* activity of *Pterodon pubescens* seed oil: geranylgeraniol as the major bioactive component. Parasitol Res 103: 111-117.

**doi:** Oliveira GM, Medeiros MM, Batista WS, Santana, R, Araujo-Jorge TC, De Souza AP 2008. Applicability of charcoal use for the evaluation of intestinal motility in a murine model of *Trypanosoma cruzi* infection. Parasitol Res 102: 747-750.

**doi:** Cardoso, J, Soares, MJ, Menna-Barreto, RFS, Bloas, RL, Sotomaior, V, Goldenberg, S, Krieger, MA 2008. Inhibition of proteasome activity blocks *Trypanosoma cruzi* growth and metacyclogenesis. Parasitol Res 103: 941-951.

**doi:** Meuser-Batista M, Correa JR, Soares MJ, Henriques-Pons A 2008. Isolation of cardiac mast cells in experimental *Trypanosoma cruzi* infection. Tissue Cell 40: 309-316.

**doi:** Cascabulho, CM, Menna-Barreto, RFS, Coutinho-Silva, R, Persechini, PM, Henriques-Pons A 2008. P2X7 modulatory web in *Trypanosoma cruzi* infection. Parasitol Res 103: 829-838.

**doi:** Correa JR, Atella GC, Batista MM, Soares MJ 2008. Transferrin uptake in *Trypanosoma*

cruzi is impaired by interference on cytostome-associated cytoskeleton elements and stability of membrane cholesterol, but not by obstruction of clathrin-dependent endocytosis. *Exp Parasitol* 119: 58-66.

**doi:** Souza EM, Marcos Meuser Batista, Batista, DGJ, Duarte BB, Araujo-Jorge TC, Soeiro MN 2008. Trypanosoma cruzi: alpha-2-macroglobulin regulates host cell apoptosis induced by the parasite infection in vitro. *Exp Parasitol* 118: 331-337.

**doi:** Medrano-Mercado N, Ugarte-Fernandez R, Butrón V, Uber-Busek S, Guerra HL, de Araujo-Jorge TC, Correa-Oliviera R 2008. Urban transmission of Chagas disease in Cochabamba, Bolivia. *Mem I Oswaldo Cruz (impresso)* 103: 423-430.

#### **Indexado (>4,0)**

**doi:** Silva CF, Marcos Meuser Batista, Batista, DGJ, Souza EM, Silva PB, Oliveira GM, Meuser AS, Shareef AR , Boykin D W, Soeiro MNC 2008. In vitro and in vivo studies of the trypanocidal activity of a diarylthiophene diamidine against Trypanosoma cruzi. *Antimicrob Agents Ch* 52: 3307-3314.

**doi:** Araujo-Jorge TC, Waghabi MC, Soeiro MNC, Keramidas M, Bailly S, Feige JJ 2008. Pivotal role for TGF-beta in infectious heart disease: The case of Trypanosoma cruzi infection and consequent Chagasic myocardopathy. *Cytokine Growth F R* 19: 405-413.

#### **Indexado (<0,65 e não impactadas no ISI)**

Spiegel CN, Alves GG, Cardona TS, Melim LM, Luz MR, Araujo-Jorge TC, Henriques-Pons A 2008. Discovering the cell: an educational game about cell and molecular biology. *J Biol Educ* 43: 27-35.

**doi:** Ballester-Gil LM, Stotz EN, Hasslocher-Moreno AM, Alves-de-Azevedo B, de Araujo-Jorge TC 2008. O saber do paciente chagásico sobre a sua doença: construção compartilhada de um instrumento para a pesquisa e teste de sua aplicabilidade. *Cienc Saude Coletiva* 13: 2199-2214.

**doi:** Grossman E, de Araujo-Jorge TC, de Araujo IS 2008. Reflexões sobre os objetos e os ambientes físicos de ensino e pesquisa em saúde. *Cienc Saude Coletiva* 13: 2269-2277.

**doi:** Waizbort R, de la Rocque LR 2008. Um replicador em movimento: aproximações entre a poética narrativa de Borges e o programa de pesquisa dos memes. *Hist cienc saude-Manguinhos* 15: 183-195.

#### **Indexado (>2,0 a 4,0)**

**doi:** Korenblum E, Sebástian, GV, Paiva MM, Coutinho CMLM, Magalhães FCM, Peyton, BM, Seldin L 2008. Action of antimicrobial substances produced by different oil reservoir *Bacillus* strains against biofilm formation. *Appl Microbiol Biot* 79: 97-103.

**doi:** Salomão K, Pereira PRS, Campos LC, Borba CM, Cabello PH, Marcucci MC, Castro SL 2008. Brazilian propolis: correlation between chemical composition and antimicrobial activity. *Evid-Based Compl Alt* 5: 317-324.

**doi:** da Silva EN, Jr, Menna-Barreto, RFS, Pinto, MDCF, Silva RS, Teixeira, DV, Souza MCBV, de Simone, CA, Castro SL, Ferreira, VF, Pinto, AV 2008. Naphthoquinoidal [1,2,3]-triazole, a new structural moiety active against *Trypanosoma cruzi*. Eur J Med Chem 43: 1774-1780.

**doi:** Bani CB, Lagrota-Candido, J, Pinheiro, DF, Leite, PE, Salimena, MC, Henriques-Pons, A, Quirico-Santos, T 2008. Pattern of metalloprotease activity and myofiber regeneration in skeletal muscles of mdx mice. Muscle Nerve 37: 583-592.

**doi:** Carvalho SA, Lopes FAS, Salomão K, Romeiro NC, Wardell SM, Castro SL, Silva EF, Fraga CA 2008. Studies toward the structural optimization of new brazilizone-related trypanocidal 1,3,4-thiadiazole-2-arylhydrazone derivatives. Bioorgan Med Chem 16: 413-421.

**doi:** Silva Junior EN, Souza MCBV, Fernandes MC, Menna-Barreto RFS, Pinto MCFR, Lopes FA, Simone CA, Andrade CK, Pinto AV, Ferreira VF, Castro SL 2008. Synthesis and anti-*Trypanosoma cruzi* activity of derivatives from nor-lapachones and lapachones. Bioorgan Med Chem 16: 5030-5038.

## 2009

### Indexado (fator de impacto > 0,65 e < 2)

**doi:** Oliveira GM, Masuda MO, Rocha NN, Schor N, Hooper CS, Araujo-Jorge TC, Henriques-Pons A 2009. Absence of Fas-L aggravates renal injury in acute *Trypanosoma cruzi* infection. Mem I Oswaldo Cruz (impresso) 104: 1063-1071.

**doi:** Oliveira GM, da Silva TM, Batista WS, Franco M, Schor N 2009. Acute *Trypanosoma cruzi* experimental infection induced renal ischemic/reperfusion lesion in mice. Parasitol Res 106: 111-120.

**doi:** Lannes-Vieira J, Soeiro MN, Corrêa-Oliveira R, Araújo-Jorge TC 2009. Chagas disease centennial anniversary celebration: historical overview and prospective proposals aiming to maintain vector control and improve patient prognosis - a permanent challenge. Mem I Oswaldo Cruz (impresso) 104 Suppl 1: 5-7.

**doi:** Menna-Barreto RF, Salomão K, Dantas AP, Santa-Rita RM, Soares MJ, Barbosa HS, de Castro SL 2009. Different cell death pathways induced by drugs in *Trypanosoma cruzi*: An ultrastructural study. Micron 40: 157-168.

**doi:** Soeiro MN, Dantas AP, Daliry A, da Silva CF, Batista DG, de Souza EM, Oliveira GM, Salomão K, Batista MM, Pacheco MG, da Silva PB, Santa-Rita RM, Barreto RF, Boykin DW, de Castro SL 2009. Experimental chemotherapy for Chagas disease: 15 years of research contributions from in vivo and in vitro studies. Mem I Oswaldo Cruz (impresso) 104 Suppl 1: 301-310.

**doi:** Coutinho L, Alves Ferreira M, Cosson A, Meuser Batista M, Batista DG, Minoprio P, Degrave WM, Berneman A, Soeiro MN 2009. Inhibition of *Trypanosoma cruzi* proline racemase affects host-parasite interactions and the outcome of in vitro infection. Mem I Oswaldo Cruz (impresso) 104: 1055-1062.

**doi:** Pinto AV, de Castro SL 2009. The trypanocidal activity of naphthoquinones: A review.

Molecules 14: 4570-4590.

**doi:** Pacheco MG, da Silva CF, de Souza EM, Batista MM, da Silva PB, Kumar A, Stephens CE, Boykin DW, Soeiro MN 2009. Trypanosoma cruzi: Activity of heterocyclic cationic molecules in vitro. Exp Parasitol 123: 73-80.

#### **Indexado (fator de impacto > 2 e < 4)**

**doi:** Corrêa G, Vilela R, Menna-Barreto RF, Midlej V, Benchimol M 2009. Cell death induction in Giardia lamblia: effect of beta-lapachone and starvation. Parasitol Int 58: 424-437.

**doi:** Henriques-Pons A, de Oliveira GM 2009. Is the Fas/Fas-L pathway a promising target for treating inflammatory heart disease?. J Cardiovasc Pharm T 53: 94-99.

**doi:** Menna-Barreto RF, Corrêa JR, Cascabulho CM, Fernandes MC, Pinto AV, Soares MJ, de Castro SL 2009. Naphthoimidazoles promote different death phenotypes in Trypanosoma cruzi. Parasitology 136: 499-510.

**doi:** Soeiro MN, de Castro SL 2009. Trypanosoma cruzi targets for new chemotherapeutic approaches. Expert Opin Ther Tar 13: 105-121.

#### **Indexado (fator de impacto > 4)**

**doi:** Vannier-Santos MA, Castro SL 2009. Electron microscopy in antiparasitic chemotherapy: A (close) view to a kill. Curr Drug Targets 10: 246-260.

**doi:** Daliry A, da Silva PB, da Silva CF, Batista MM, de Castro SL, Tidwell RR, Soeiro MN 2009. In vitro analyses of the effect of aromatic diamidines upon Trypanosoma cruzi. J Antimicrob Chemoth 64: 747-750.

**doi:** de Alencar BC, Persechini PM, Haolla FA, de Oliveira G, Silverio JC, Lannes-Vieira J, Machado AV, Gazzinelli RT, Bruna-Romero O, Rodrigues MM 2009. Perforin and gamma interferon expression are required for CD4+ and CD8+ T-cell-dependent protective immunity against a human parasite, Trypanosoma cruzi, elicited by heterologous plasmid DNA prime-recombinant adenovirus 5 boost vaccination. Infect Immun 77: 4383-4395.

**doi:** Waghabi MC, de Souza EM, de Oliveira GM, Keramidas M, Feige JJ, Araujo-Jorge TC, Baily S 2009. Pharmacological inhibition of transforming growth factor beta signaling decreases infection and prevents heart damage in acute Chagas' disease. Antimicrob Agents Ch 53: 4694-4701.

**doi:** Menna-Barreto RF, Gonçalves RL, Costa EM, Silva RS, Pinto AV, Oliveira MF, de Castro SL 2009. The effects on Trypanosoma cruzi of novel synthetic naphthoquinones are mediated by mitochondrial dysfunction. Free Radical Bio Med 47: 644-653.

**2010**

#### **Indexado (fator de impacto < 0,65 ou sem FI)**

**doi:** Pereira ME, Jurberg C, Soeiro MN, Borba CM 2010. A estruturação do programa de

capacitação profissional de biossegurança no contexto do projeto de modernização da gestão científica do Instituto Oswaldo Cruz. Saude Soc-Sao Paulo 20: 209-217.

#### **Indexado (fator de impacto > 0,65 e < 2)**

**doi:** Campos MC, Salomão K, Castro-Pinto DB, Leon LL, Barbosa HS, Maciel MA, de Castro SL 2010. Croton cajucara crude extract and isolated terpenes: activity on Trypanosoma cruzi. Parasitol Res 107: 1093-1204.

**doi:** Paiva MM, Soeiro MN, Barbosa HS, Meirelles MN, Delain E, Araujo-Jorge TC 2010. Glycosylation patterns of human alpha2-macroglobulin: analysis of lectin binding by electron microscopy. Micron 41: 666-673.

**doi:** Batista DG, da Silva PB, Lachter DR, Silva RS, Aucelio RQ, Louro SR, Beraldo H, Soeiro MN, Teixeira LR 2010. Manganese(II) complexes with N4-methyl-4-nitrobenzaldehyde, N4-methyl-4-nitroacetofenone, and N4-methyl-4-nitrobenzophenone thiosemicarbazone: Investigation of in vitro activity against Trypanosoma cruzi. Polyhedron 29: 2232-2238.

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**doi:** Silverio JC, de Oliveira Pinto LM, da Silva AA, de Oliveira GM, Lannes-Vieira J 2010. Perforin-expressing cytotoxic cells contribute to chronic cardiomyopathy in Trypanosoma cruzi infection. Int J Exp Pathol 91: 72-86.

**doi:** Kikuchi SA, Sodré CL, Kalume DE, Elias CG, Santos AL, de Nazaré Soeiro M, Meuser M, Chapeaurouge A, Perales J, Fernandes O 2010. Proteomic analysis of two Trypanosoma cruzi Zymodeme 3 strains. Exp Parasitol 126: 540-551.

#### **Indexado (fator de impacto > 2 e < 4)**

**doi:** Olivieri BP, Molina JT, Castro SL, Pereira MC, Urbina JA, Araujo-Jorge TC 2010. A comparative study of posaconazole and benznidazole in the prevention of heart damage and promotion of trypanocidal immune response in a murine model of Chagas disease. Int J Antimicrob Ag 36: 79-83.

**doi:** Menna-Barreto RF, Beghini DG, Ferreira AT, Pinto AV, de Castro SL, Perales J 2010. A proteomic analysis of the mechanism of action of naphthoimidazoles in Trypanosoma cruzi epimastigotes in vitro. J Proteomics 73: 2306-2315.

**doi:** Batista DG, Pacheco MG, Kumar A, Branowska D, Ismail MA, Hu L, Boykin DW, Soeiro MN 2010. Biological, ultrastructural effect and subcellular localization of aromatic diamidines in Trypanosoma cruzi. Parasitology 137: 251-259.

**doi:** Salomão K, de Souza EM, Henriques-Pons A, Barbosa HS, de Castro SL 2010. Brazilian green propolis: Effects in vitro and in vivo on Trypanosoma cruzi. Evid-Based Compl Alt - - -: - - -

**doi:** de Souza EM, Nefertiti AS, Bailly C, Lansiaux A, Soeiro MN 2010. Differential apoptosis-like cell death in amastigote and trypomastigote forms from *Trypanosoma cruzi*-infected heart cells in vitro. *Cell Tissue Res* 341: 173-180.

**doi:** Romanha AJ, de Castro SL, Soeiro MN, Lannes-Vieira J, Ribeiro I, Talvani A, Bourdin B, Blum B, Olivieri B, Zani C, Spadafora C, Chiari E, Chatelain E, Chaves G, Calzada JE, Bustamante JM, Freitas-Junior LH, Romero LI, Bahia MT, Lotrowska M, Soares M, Andrade SG, Armstrong T, Degrave W, Andrade ZA 2010. In vitro and in vivo experimental models for drug screening and development for Chagas disease. *Mem I Oswaldo Cruz (impresso)* 105: 233-238.

**doi:** De Souza AP, Jelicks LA, Tanowitz HB, Olivieri BP, Medeiros MM, Oliveira GM, Pires AR, dos Santos AM, Araújo-Jorge TC 2010. The benefits of using selenium in the treatment of Chagas disease: prevention of right ventricle chamber dilatation and reversion of *Trypanosoma cruzi*-induced acute and chronic cardiomyopathy in mice. *Mem I Oswaldo Cruz (impresso)* 105: 746-751.

**doi:** da Silva CF, da Silva PB, Batista MM, Daliry A, Tidwell RR, Soeiro MN 2010. The biological in vitro effect and selectivity of aromatic dicationic compounds on *Trypanosoma cruzi*. *Mem I Oswaldo Cruz (impresso)* 105: 239-245.

**doi:** da Silva EN Jr, Guimarães TT, Menna-Barreto RF, Pinto MC, de Simone CA, Pessoa C, Cavalcanti BC, Sabino JR, Andrade CK, Goulart MO, de Castro SL, Pinto AV 2010. The evaluation of quinonoid compounds against *Trypanosoma cruzi*: synthesis of imidazolic anthraquinones, nor-beta-lapachone derivatives and beta-lapachone-based 1,2,3-triazoles. *Bioorgan Med Chem* 18: 3224-3230.

#### **Indexado (fator de impacto > 4)**

**doi:** Batista DG, Batista MM, de Oliveira GM, Lannes-Vieira J, Britto CC, Junqueira A, Lima MM, Romanha AJ, Sales Jr PA, Stephens CE, Boykin DW, Soeiro MN 2010. Arylimidamide DB766, a potential chemotherapeutic candidate for Chagas disease treatment. *Antimicrob Agents Ch* 54: 2940-2952.

**doi:** Ennes-Vidal V, Menna-Barreto RF, Santos AL, Branquinha MH, d'Avila-Levy CM 2010. Effects of the calpain inhibitor MDL28170 on the clinically relevant forms of *Trypanosoma cruzi* in vitro. *J Antimicrob Chemoth* 65: 1395-1398.

**doi:** Salomão K, de Souza EM, Carvalho SA, da Silva EF, Fraga CA, Barbosa HS, de Castro SL 2010. In vitro and in vivo activities of 1,3,4-thiadiazole-2-arylhydrazone derivatives of megazol against *Trypanosoma cruzi*. *Antimicrob Agents Ch* 54: 2023-2031.

**doi:** Lannes-Vieira JL, de Araujo-Jorge TC, Soeiro MN, Gadelha P, Corrêa-Oliveira R 2010. The centennial of the discovery of Chagas disease: Facing the current challenges. *Plos Neglect Trop D* 4: - .

#### **2011**

#### **Indexado (fator de impacto < 0,65 ou sem FI)**

**doi:** Castro SL, Batista, DGJ, Marcos Meuser Batista, Batista WS, Daliry A, Souza EM, Menna-

Barreto RFS, Oliveira GM, Salomão K, Silva CF, Silva PB, Soeiro MNC 2011. Experimental chemotherapy for Chagas disease: a morphological, biochemical and proteomic overview of potential Trypanosoma cruzi targets of amidines derivatives and naphthoquinones. Mol Biol Int xxx: - .

**doi:** Soeiro MN, de Castro SL 2011. Screening of potential anti-Trypanosoma cruzi candidates: In vitro and in vivo studies. Open Med Chem J 5: 21-30.

#### **Indexado (fator de impacto > 2 e 4)**

**doi:** Batista DG, da Silva PB, Stivanin L, Lachter DR, Silva RS, Felcman J, Louro SR, Teixeira LR, Soeiro MN 2011. Co(II), Mn(II) and Cu(II) complexes of fluoroquinolones: Synthesis, spectroscopic studies and biological evaluation against Trypanosoma cruzi. Polyhedron 10: 1718-1725.

**doi:** Vieira CS, Almeida DB , de Thomaz AA , Menna-Barreto RF, Santos-Mallet JR, Cesar CL , Gomes SA, Feder D 2011. Studying nanotoxic effects of CdTe quantum dots in Trypanosoma cruzi. Mem I Oswaldo Cruz (impresso) 106: 158-165.

**doi:** Hausen MA, Menna-Barreto RF, Lira DC , de Carvalho L, Barbosa HS 2011. Synergic effect of metronidazole and pyrantel pamoate on Giardia lamblia. Parasitol Int 60: 54-58.

**doi:** Ferreira SB, Salomão K, de Carvalho da Silva F, Pinto AV, Kaiser CR, Pinto AC, Ferreira VF, de Castro SL 2011. Synthesis and anti-Trypanosoma cruzi activity of beta-lapachone analogues. Eur J Med Chem 46: 3071-3077.

**doi:** da Silva CF, Daliry A, da Silva PB, Akay S, Banerjee M,, Farahat AA, Fisher MK, Hu L, Kumar A,, Liu Z, Stephens CE, Boykin DW, Correia Soeiro MD 2011. The efficacy of novel arylimidamides against Trypanosoma cruzi in vitro. Parasitology 138: 1863-1869.

#### **Indexado (fator de impacto > 4)**

**doi:** Gonçalves RL , Barreto RF, Polycarpo CR, Gadelha FR, Castro SL, Oliveira MF 2011. A comparative assessment of mitochondrial function in epimastigotes and bloodstream trypomastigotes of Trypanosoma cruzi. J Bioenerg Biomembr 43: 651-661.

**doi:** Duszenko M, Ginger ML, Brennand A, Gualdrón-Lopez M, Colombo MI, Coombs GH, Coppens I, Jayabalasingham B, Langsley G, de Castro SL, Menna-Barreto R, Mottram JC, Navarro M, Rigden DJ, Romano PS, Stoka V, Turk B, Michels PA 2011. Autophagy in protists. Autophagy 7: 127-158.

**doi:** Oliveira JH, Goncalves RL, Lara FA, Dias FA , Gandara AC, Menna-Barreto RF, Edwards MC , Laurindo FR, Silva-Neto MA, Sorgine MH, Oliveira PL 2011. Blood meal-derived heme decreases ROS levels in the midgut of Aedes aegypti and allows proliferation of intestinal microbiota. Plos Pathog 7: - .

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