

## 2018

LOPES, SUSANA M.M. ; NOVAIS, JULIANA S. ; COSTA, DORA C.S. ; CASTRO, HELENA C. ; **FIGUEIREDO, AGNES MARIE S.** ; FERREIRA, VITOR F. ; PINHO E MELO, TERESA M.V.D. ; DA SILVA, FERNANDO DE CARVALHO . Hetero-Diels-Alder reactions of novel 3-triazolyl-nitrosoalkenes as an approach to functionalized 1,2,3-triazoles with antibacterial profile. EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, v. 143, p. 1010-1020, 2018. IF: 4.519

**VERMELHO, ALANE BEATRIZ**; DA SILVA CARDOSO, VERÔNICA ; RICCI JUNIOR, EDUARDO ; DOS SANTOS, ELISABETE PEREIRA ; SUPURAN, CLAUDIU T. . Nanoemulsions of sulfonamide carbonic anhydrase inhibitors strongly inhibit the growth of *Trypanosoma cruzi*. JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, v. 33, p. 139-146, 2018. IF: 4.293

GOMES-NETO, JOÃO F. ; SARTORIUS, ROSSELLA ; CANTO, FÁBIO B. ; ALMEIDA, THAMYRES S. ; DIAS, ANDRÉ'A. ; BARBOSA, CARLOS-HENRIQUE D. ; MELO, GUILHERME A. ; OLIVEIRA, ANA CAROLINA ; AGUIAR, PEDRO-HENRIQUE N. ; MACHADO, CARLOS R. ; DE MATOS GUEDES, HERBERT L. ; SANTIAGO, MARCELO F. ; **NÓBREGA, ALBERTO** ; DE BERARDINIS, PIERGIUSEPPE ; **BELLIO, MARIA** . Vaccination With Recombinant Filamentous fd Phages Against Parasite Infection Requires TLR9 Expression. FRONTIERS IN IMMUNOLOGY, v. 9, p. 1173, 2018. IF: 6.429

GUIMARÃES-PINTO, KAMILA ; NASCIMENTO, D. O. ; FERREIRA, A. C. C. ; **MORROT, ALEXANDRE** ; FREIRE-DE-LIMA, CÉLIO G. ; LOPES, M. F. ; DOSREIS, G. A. ; **FILARDY, A A.** *Trypanosoma cruzi* Infection Induces Cellular Stress Response and Senescence-Like Phenotype in Murine Fibroblasts. FRONTIERS IN IMMUNOLOGY, v. 9, p. 1569, 2018. IF: 5.511

NICO, DIRLEI ; MARTINS ALMEIDA, FERNANDA ; MARIA MOTTA, JULIANA ; SOARES DOS SANTOS CARDOSO, FELLIPE ; FREIRE-DE-LIMA, CELIO GERALDO ; FREIRE-DE-LIMA, LEONARDO ; DE LUCA, PAULA MELO ; MARIA BLANCO MARTINEZ, ANA ; **MORROT, ALEXANDRE** ; **PALATNIK-DE-SOUSA, CLARISA BEATRIZ** . NH36 and F3 Antigen-Primed Dendritic Cells Show Preserved Migrating Capabilities and CCR7 Expression and F3 Is Effective in Immunotherapy of Visceral Leishmaniasis. FRONTIERS IN IMMUNOLOGY, v. 9, p. 01, 2018. IF: 5.511

FONSECA, EDUARDO DA SILVA ; **PEIXOTO, RAQUEL SILVA** ; **ROSADO, ALEXANDRE SOARES** ; BALIEIRO, FABIANO DE CARVALHO ; TIEDJE, JAMES M. ; **DA COSTA, CAIO TAVORA RACHID COELHO**. The Microbiome of Eucalyptus Roots under Different Management Conditions and Its Potential for

Biological Nitrogen Fixation. MICROBIAL ECOLOGY, v. 75, p. 183-191, 2018. IF: 3.63

**DOS SANTOS, ANDRÉ LUIS SOUZA**; RAMOS, ROMMEL T. ; SILVA, ARTUR ; HIRATA, RAPHAEL ; **MATTOS-GUARALDI, ANA L.** ; **MEYER-FERNANDES, JOSÉ ROBERTO** ; AZEVEDO, VASCO ; FELICORI, LIZA ; PACHECO, LUIS G. C. . Searching whole genome sequences for biochemical identification features of emerging and reemerging pathogenic *Corynebacterium species*. FUNCTIONAL & INTEGRATIVE GENOMICS, v. 18, p. 593-610, 2018. IF: 3.493

LOURENÇO, TALITA GOMES BAÊTA ; SPENCER, S. J. ; ALM, E. J. ; **COLOMBO, ANA PAULA VIEIRA** . Defining the gut microbiota in individuals with periodontal diseases: an exploratory study. JOURNAL OF ORAL MICROBIOLOGY, v. 10, p. 1487741, 2018. IF: 3.723

CORTES, A. L. ; GONSALEZ, S. R. ; RIOJA, L. S. ; OLIVEIRA, S. S. C. ; **DOS SANTOS, ANDRÉ LUIS SOUZA.** ; PRIETO, M. ; MELO, P. A. ; LARA, L. S. . Protective outcomes of low-dose doxycycline on renal function of Wistar rats subjected to acute ischemia/reperfusion injury. BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE, v. 1864, p. 102-114, 2018. IF: 5.476

NEM DE OLIVEIRA SOUZA, ISIS ; FROST, PAULA S. ; FRANÇA, JULIA V. ; NASCIMENTO-VIANA, JÉSSICA B. ; NERIS, RÔMULO L. S. ; FREITAS, LEANDRO ; PINHEIRO, DANIEL J. L. L. ; NOGUEIRA, CLARA O. ; NEVES, GILDA ; CHIMELLI, LEILA ; DE FELICE, FERNANDA G. ; CAVALHEIRO, ÉSPER A. ; FERREIRA, SERGIO T. ; **ASSUNÇÃO-MIRANDA, IRANAIA** ; FIGUEIREDO, CLAUDIA P. ; **DA POIAN, ANDREA T.** ; CLARKE, JULIA R. . Acute and chronic neurological consequences of early-life Zika virus infection in mice. SCIENCE TRANSLATIONAL MEDICINE, v. 10, p. eaar2749, 2018. IF: 16.796

CUER, C. ; RODRIGUES, R. A. R. ; BALIEIRO, F. C. ; JESUS, J. ; SILVA, E. ; ALVES, B. J. R. ; **RACHID, C.T.C.C.** . Short-term effect of Eucalyptus plantations on soil microbial communities and soil-atmosphere methane and nitrous oxide exchange. SCIENTIFIC REPORTS, v. 8, p. 15133, 2018. IF: 4.259

PALMEIRA, V. F. ; GOULART, F. R. V. ; GRANATO, M. Q. ; **ALVIANO, DANIELA S.** ; **ALVIANO, CELUTA S.** ; KNEIPP, L. F. ; **SANTOS, A. L. S.** . Fonsecaea pedrosoi Sclerotic Cells: Secretion of Aspartic-Type Peptidase and Susceptibility to Peptidase Inhibitors. FRONTIERS IN MICROBIOLOGY, v. 9, p. 1-9, 2018. IF: 4.076

NICO, D. ; ALMEIDA, F. M. ; MOTTA, J. M. ; CARDOSO, F. ; FREIRE-DE-LIMA, C. ; FREIRE-DE-LIMA, L. ; LUCA, P. M. ; MARTINEZ, A. M. ; **MORROT, ALEXANDRE** ; **PALATNIK-DE-SOUSA, CLARISA.BEATRIZ.** . NH36 and F3

Antigen-Primed Dendritic Cells Show Preserved Migrating Capabilities and CCR7 Expression and F3 Is Effective in Immunotherapy of Visceral Leishmaniasis. FRONTIERS IN IMMUNOLOGY, v. 9, p. 1-18, 2018. IF: 6.429

ALVAREZ, VANESSA MARQUES ; **JURELEVICIUS, DIOGO** ; SERRATO, RODRIGO VASSOLER ; **BERGTER, ELIANA BARRETO** ; **SELDIN, LUCY** . Chemical characterization and potential application of exopolysaccharides produced by *Ensifer adhaerens* JHT2 as a bioemulsifier of edible oils. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, v. 114, p. 18-25, 2018. IF: 3.671

MURARO, STÉFANIE P. ; DE SOUZA, GABRIELA F. ; GALLO, STEPHANIE W. ; DA SILVA, BRUNA K. ; DE OLIVEIRA, SÍLVIA D. ; VINOLO, MARCO AURÉLIO R. ; **SARAIVA, ELVIRA M.** ; PORTO, BÁRBARA N. . Respiratory Syncytial Virus induces the classical ROS-dependent NETosis through PAD-4 and necroptosis pathways activation. SCIENTIFIC REPORTS, v. 8, p. 1-12, 2018. IF: 4.259

**ABREU, FERNANDA.**; LEO, P. ; VARGAS, G. ; CYPRIANO, J. ; FIGUEIREDO, V. ; PRAST, A.E. ; BAZYLINSKI, D. A. ; LINS, U. Culture-independent characterization of a novel uncultivated magnetotactic member of the Betaproteobacteria class of the Proteobacteria phylum from an acidic lagoon. ENVIRONMENTAL MICROBIOLOGY, v. 1, p. 1, 2018. IF: 5.395

GONÇALVES, DIEGO DE SOUZA ; FERREIRA, MARINA DA SILVA ; LIEDKE, SUSIE COUTINHO ; GOMES, KAMILA XAVIER ; DE OLIVEIRA, GABRIEL AFONSO ; LEÃO, PEDRO ERNESTO LOPES ; CESAR, GABRIELE VARGAS ; SEABRA, SERGIO H. ; CORTINES, JULIANA REIS ; CASADEVALL, ARTURO ; **NIMRICHTER, LEONARDO** ; DOMONT, GILBERTO BARBOSA ; JUNQUEIRA, MAGNO RODRIGUES ; **PERALTA, JOSE MAURO** ; GUIMARAES, ALLAN J. . Extracellular vesicles and vesicle-free secretome of the protozoa *Acanthamoeba castellanii* under homeostasis and nutritional stress and their damaging potential to host cells. VIRULENCE, v. 9, p. 00-00, 2018. IF: 4.665

LACERDA-ABREU, MARCO ANTÔNIO ; RUSSO-ABRAHÃO, THAIS ; MONTEIRO, ROBSON DE QUEIROZ ; RUMJANEK, FRANKLIN DAVID ; **MEYER-FERNANDES, JOSÉ ROBERTO** . Inorganic phosphate transporters in cancer: Functions, molecular mechanisms and possible clinical applications. BIOCHIMICA ET BIOPHYSICA ACTA-REVIEWS ON CANCER, v. 1870, p. 291-298, 2018. IF: 9.452

PREVELIGE, PETER E ; **CORTINES, JULIANA R.** . Phage assembly and the special role of the portal protein. CURRENT OPINION IN VIROLOGY, v. 31, p. 66-73, 2018. IF: 5.644

LIMA, MICHELE SOUZA ; **LAPORT, MARINELLA SILVA** ; LOROSA, ELIAS SEIXAS ; JURBERG, JOSÉ ; **DOS SANTOS, KÁTIA REGINA NETTO** ; DA

SILVA NETO, MÁRIO ALBERTO CARDOSO ; RACHID, **CAIO TAVORA COELHO DA COSTA** ; ATELLA, GEORGIA CORREA . Bacterial community composition in the salivary glands of triatomines (Hemiptera: Reduviidae). PLOS NEGLECTED TROPICAL DISEASES, v. 12, p. e0006739, 2018. IF: 3.834

TEIXEIRA, F. L. ; PAUER, H. ; COSTA, S. ; SMITH, C. J. ; **DOMINGUES, R. M. C. P.** ; ROCHA, E. R. ; **LOBO. L. A.** . Deletion of BmoR affects the expression of genes related to thiol/disulfide balance in *Bacteroides fragilis*. SCIENTIFIC REPORTS, v. 8, p. 1-11, 2018. IF: 4.259

NEVES, FELIPE P G ; CARDOSO, NAYARA T ; SOUZA, ALINE R V ; SNYDER, ROBERT E ; MARLOW, MARIEL M ; **PINTO, TATIANA C A** ; **TEIXEIRA, LÚCIA M** ; RILEY, LEE W . Population structure of *Streptococcus pneumoniae* colonizing children before and after universal use of pneumococcal conjugate vaccines in Brazil: emergence and expansion of the MDR serotype 6C-CC386 lineage. JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY (ONLINE), v. 73, p. 1206-1212, 2018. IF: 5.071

LUCAS, CAROLINA G. O. ; KITOKO, JAMIL Z. ; FERREIRA, FABRICIO M. ; SUZART, VINICIUS G. ; PAPA, MICHELLE P. ; COELHO, SHARTON V. A. ; CAVAZZONI, CECILIA B. ; PAULA-NETO, HEITOR A. ; OLSEN, PRISCILLA C. ; IWASAKI, AKIKO ; **PEREIRA, RENATA M.** ; PIMENTEL-COELHO, PEDRO M. ; VALE, ANDRE M. ; **DE ARRUDA, LUCIANA B.** ; **BOZZA, MARCELO T.** . Critical role of CD4+ T cells and IFN $\gamma$  signaling in antibody-mediated resistance to Zika virus infection. NATURE COMMUNICATIONS, v. 9, p. 3136, 2018. IF: 12.124

PARENTE, C. ; AZEREDO, A. ; VOLLÚ, RENATA ESTEBANEZ ; ZONTA, E. ; AZEVEDO-SILVA, C. ; BRITO, E. ; **SELDIN, LUCY** ; TORRES, J. ; MEIRE, R. ; MALM, O . Fluoroquinolones in agricultural soils: Multi-temporal variation and risks in Rio de Janeiro upland region. CHEMOSPHERE, p. 409-417, 2018. IF: 4.208

OLIVEIRA, ANDREA SANTANA DE ; ROSA, ISABELLA INÊS RODRIGUES ; NOVAES, EVANDRO ; OLIVEIRA, LUCAS SILVA DE ; BAEZA, LILIAN CRISTIANE ; BORGES, CLAYTON LUIZ ; MARLINGHAUS, LENNART ; SOARES, CÉLIA MARIA DE ALMEIDA ; **GIAMBIAGI-DEMARVAL, MARCIA** ; PARENTE-ROCHA, JULIANA ALVES . The exoproteome profiles of three *Staphylococcus saprophyticus* strains reveal diversity in protein secretion contents. MICROBIOLOGICAL RESEARCH, v. 216, p. 85-96, 2018. IF: 3.037

LOYSE, ANGELA BURRY, JESSICA COHN, JENNIFER FORD, NATHAN CHILLER, TOM RIBEIRO, ISABELA KOULLA-SHIRO, SINATA MGHAMBA, JANNETH RAMADHANI, ANGELA NYIRENDA, ROSE ALIYU, SANI H WILSON, DOUGLAS LE, THUY OLADELE, RITA LESIKARI, SOKOINE MUZOORA, CONRAD KALATA, NEWTON TEMFACK, ELVIS MAPOURE, YACOUBA SINI, VICTOR CHANDA, DUNCAN SHIMWELA, MESHACK LAKHI, SHABIR NGOMA, JONATHON GONDWE-CHUNDA, LILIAN , PERFECT,

CHASE SHROUFI, AMIR ANDRIEUX-MEYER, ISABELLE CHAN, ADRIENNE SCHUTZ, CHARLOTTE HOSSEINIPOUR, MINA VAN DER HORST, CHARLES KLAUSNER, JEFFREY D BOULWARE, DAVID R HEYDERMAN, ROBERT LALLOO, DAVID DAY, JEREMY JARVIS, JOSEPH N, **RODRIGUES, MARCIO**, JAFFAR, SHABBAR DENNING, DAVID MIGONE, CHANTAL DOHERTY, MEGAN LORTHOLARY, OLIVIER DROMER, FRANÇOISE STACK, MURGEN MOLLOY, SÍLE F BICANIC, TIHANA VAN OOSTERHOUT, JOEP MWABA, PETER KANYAMA, CECILIA KOUANFACK, CHARLES MFINANGA, SAYOKI GOVENDER, NELESH HARRISON, THOMAS S ; Leave no one behind: response to new evidence and guidelines for the management of cryptococcal meningitis in low-income and middle-income countries. LANCET INFECTIOUS DISEASES, v. Oct 18, p. S1473-3099, 2018. IF: 19.864

SOUZA, A. D. F. ; CEOTTO-VIGODER, H. ; BARRIAS, E. ; SOUTO-PADRON, T. C. ; NES, I. ; **BASTOS, M.C.F.** . Hyicin 4244, the first sactibiotic described in *staphylococci*, exhibits an anti-staphylococcal biofilm activity. INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, v. 51, p. 349-356, 2018. IF: 4.307

SANGENITO, L. S. ; MENNA-BARRETO, R.F. ; OLIVEIRA, A. C. ; AVILALEVY, C. M. D. ; **BRANQUINHA, M. H. ; SANTOS, A. L. S.** . Primary evidences of the mechanisms of action of HIV aspartyl peptidase inhibitors on *Trypanosoma cruzi* *trypomastigote* forms. INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS, v. 1, p. 1-10, 2018. IF: 4.307

BELGRANO, FABRICIO DOS SANTOS ; DIEGEL, OLAF ; **PEREIRA, NEI** ; HATTI-KAUL, RAJNI . Cell immobilization on 3D-printed matrices: A model study on propionic acid fermentation. BIORESOURCE TECHNOLOGY, v. 249, p. 777-782, 2018. IF: 5.807

**XAVIER-ELSAS, PEDRO**; VIEIRA, BRUNO MARQUES ; MASID-DE-BRITO, DANIELA ; BARRADAS, MONICA GOMES ; GASPAR-ELSAS, MARIA IGNEZ C. . The need to consider context in the evaluation of anti-infectious and immunomodulatory effects of Vitamin A and its derivatives. CURRENT DRUG TARGETS, v. 20, p. 01-08, 2018. IF: 3.236

ROSADO, P ; LEITE, DEBORAH C. A. ; DUARTE, G ; CHALOUB, R ; JOSPIN G ; DA ROCHA, U ; SARAIVA, J ; ANDREOTE, FD ; EISEN, J ; BOURNE, D ; **PEIXOTO, RAQUEL** . Marine probiotics: increasing coral resistance to bleaching through microbiome manipulation. ISME JOURNAL, p. online, 2018. IF: 9.664

KRAYCHETE, GABRIELA BERGIANTE ; CAMPANA, ELOIZA HELENA ; **PICÃO, RENATA CRISTINA ; BONELLI, RAQUEL REGINA** . qnrD -harboring plasmids in *Providencia* spp. recovered from food and environmental Brazilian sources. SCIENCE OF THE TOTAL ENVIRONMENT, v. xx, p. xxxx, 2018. IF: 4.9