

Emilio Luis Malchiodi

List of Publications by Year in descending order

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103
papers

3,821
citations

117625

34
h-index

149698

56
g-index

106
all docs

106
docs citations

106
times ranked

4143
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | <i>In Vitro</i>, <i>In Vivo</i>, and <i>In Silico</i> Studies of Cumanin Diacetate as a Potential Drug against <i>Trypanosoma cruzi</i> Infection. ACS Omega, 2022, 7, 968-978. | 3.5 | 5 |
| 2 | Oxonitrogenated Derivatives of Eremophilans and Eudesmans: Antiproliferative and Anti-Trypanosoma cruzi Activity. Molecules, 2022, 27, 3067. | 3.8 | 2 |
| 3 | Surface chemistry modification of silica nanoparticles alters the activation of monocytes. Therapeutic Delivery, 2021, 12, 443-459. | 2.2 | 11 |
| 4 | Oxidation of proline from the cyclin-binding motif in maize CDKA;1 results in lower affinity with its cyclin regulatory subunit. Phytochemistry, 2020, 169, 112165. | 2.9 | 3 |
| 5 | Chagas disease vaccine design: the search for an efficient Trypanosoma cruzi immune-mediated control. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165658. | 3.8 | 54 |
| 6 | Cellular and molecular changes and immune response in the intestinal mucosa during Trichinella spiralis early infection in rats. Parasites and Vectors, 2020, 13, 505. | 2.5 | 13 |
| 7 | Mycobacterium tuberculosis FasR senses long fatty acyl-CoA through a tunnel and a hydrophobic transmission spine. Nature Communications, 2020, 11, 3703. | 12.8 | 16 |
| 8 | Cruzipain and Its Physiological Inhibitor, Chagasin, as a DNA-Based Therapeutic Vaccine Against Trypanosoma cruzi. Frontiers in Immunology, 2020, 11, 565142. | 4.8 | 11 |
| 9 | Trypanocidal Activity of Four Sesquiterpene Lactones Isolated from Asteraceae Species. Molecules, 2020, 25, 2014. | 3.8 | 20 |
| 10 | Mucosal Heterologous Prime/Boost Vaccination Induces Polyfunctional Systemic Immunity, Improving Protection Against Trypanosoma cruzi. Frontiers in Immunology, 2020, 11, 128. | 4.8 | 22 |
| 11 | Heterologous Chimeric Construct Comprising a Modified Bacterial Superantigen and a Cruzipain Domain Confers Protection Against Trypanosoma cruzi Infection. Frontiers in Immunology, 2020, 11, 1279. | 4.8 | 4 |
| 12 | Preparation of Sesquiterpene Lactone Derivatives: Cytotoxic Activity and Selectivity of Action. Molecules, 2019, 24, 1113. | 3.8 | 9 |
| 13 | Activity of Estafietin and Analogues on Trypanosoma cruzi and Leishmania braziliensis. Molecules, 2019, 24, 1209. | 3.8 | 18 |
| 14 | egc Superantigens Impair Monocytes/Macrophages Inducing Cell Death and Inefficient Activation. Frontiers in Immunology, 2019, 10, 3008. | 4.8 | 9 |
| 15 | Anti- Activity of Extracts from Argentinean Asteraceae Species. Iranian Journal of Pharmaceutical Research, 2019, 18, 1854-1861. | 0.5 | 1 |
| 16 | Trypanosoma cruzi 80 kDa prolyl oligopeptidase (Tc80) as a novel immunogen for Chagas disease vaccine. PLoS Neglected Tropical Diseases, 2018, 12, e0006384. | 3.0 | 26 |
| 17 | Engineered trivalent immunogen adjuvanted with a STING agonist confers protection against Trypanosoma cruzi infection. Npj Vaccines, 2017, 2, 9. | 6.0 | 45 |
| 18 | Kinetic and thermodynamic studies of the interaction between activating and inhibitory Ly49 natural killer receptors and MHC class I molecules. Biochemical Journal, 2017, 474, 179-194. | 3.7 | 1 |

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|----|--|------|-----------|
| 19 | Evidence of size-dependent effect of silica micro- and nano-particles on basal and specialized monocyte functions. <i>Therapeutic Delivery</i> , 2017, 8, 1035-1049. | 2.2 | 17 |
| 20 | Assessment of sesquiterpene lactones isolated from Mikania plants species for their potential efficacy against <i>Trypanosoma cruzi</i> and <i>Leishmania</i> sp.. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005929. | 3.0 | 30 |
| 21 | Immunization with Tc52 or its amino terminal domain adjuvanted with c-di-AMP induces Th17+Th1 specific immune responses and confers protection against <i>Trypanosoma cruzi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005300. | 3.0 | 31 |
| 22 | MutS regulates access of the error-prone DNA polymerase Pol IV to replication sites: a novel mechanism for maintaining replication fidelity. <i>Nucleic Acids Research</i> , 2016, 44, 7700-7713. | 14.5 | 9 |
| 23 | Attenuated <i>Salmonella</i> sp. as a DNA Delivery System for <i>Trypanosoma cruzi</i> Antigens. <i>Methods in Molecular Biology</i> , 2016, 1404, 683-695. | 0.9 | 8 |
| 24 | A prime-boost immunization with Tc52 N-terminal domain DNA and the recombinant protein expressed in <i>Pichia pastoris</i> protects against <i>Trypanosoma cruzi</i> infection. <i>Vaccine</i> , 2016, 34, 3243-3251. | 3.8 | 20 |
| 25 | Glycosylation-dependent binding of galectin-8 to activated leukocyte cell adhesion molecule (ALCAM/CD166) promotes its surface segregation on breast cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2255-2268. | 2.4 | 28 |
| 26 | Trypanocidal and leishmanicidal activities of flavonoids isolated from <i>Stevia satureiifolia</i> var. <i>satureiifolia</i> . <i>Pharmaceutical Biology</i> , 2016, 54, 2188-2195. | 2.9 | 38 |
| 27 | Coadministration of cruzipain and GM-CSF DNAs, a new immunotherapeutic vaccine against <i>Trypanosoma cruzi</i> infection. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 438-450. | 3.3 | 17 |
| 28 | Peptidoglycan recognition protein-1 complexes increase monocyte/macrophage activation and enhance the inflammatory response. <i>Immunology</i> , 2015, 145, 429-442. | 4.4 | 42 |
| 29 | Oral Multicomponent DNA Vaccine Delivered by Attenuated <i>Salmonella</i> Elicited Immunoprotection Against American Trypanosomiasis. <i>Journal of Infectious Diseases</i> , 2015, 211, 698-707. | 4.0 | 30 |
| 30 | Description of a Novel Adhesin of <i>Mycobacterium avium</i> Subsp. <i>paratuberculosis</i> . <i>BioMed Research International</i> , 2014, 2014, 1-9. | 1.9 | 12 |
| 31 | Tc52 Amino-Terminal-Domain DNA Carried by Attenuated <i>Salmonella enterica</i> Serovar Typhimurium Induces Protection against a <i>Trypanosoma cruzi</i> Lethal Challenge. <i>Infection and Immunity</i> , 2014, 82, 4265-4275. | 2.2 | 25 |
| 32 | Galectin-3 is essential for early wound healing and ventricular remodeling after myocardial infarction in mice. <i>International Journal of Cardiology</i> , 2014, 176, 1423-1425. | 1.7 | 52 |
| 33 | Novel evidence for the specific interaction between cholesterol and α -haemolysin of <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2014, 458, 481-489. | 3.7 | 23 |
| 34 | A Positive Cooperativity Binding Model between Ly49 Natural Killer Cell Receptors and the Viral Immune-evasion m157. <i>Journal of Biological Chemistry</i> , 2014, 289, 5083-5096. | 3.4 | 7 |
| 35 | Triazinic dye ligand selection by surface plasmon resonance for recombinant lactoferrin purification. <i>Process Biochemistry</i> , 2013, 48, 1972-1979. | 3.7 | 5 |
| 36 | <i>Trypanosoma cruzi</i> , the causative agent of Chagas disease, modulates interleukin-6-induced STAT3 phosphorylation via gp130 cleavage in different host cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 485-494. | 3.8 | 21 |

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|----|--|------|-----------|
| 37 | Natural Terpenoids from Ambrosia Species Are Active In Vitro and In Vivo against Human Pathogenic Trypanosomatids. PLoS Neglected Tropical Diseases, 2013, 7, e2494. | 3.0 | 42 |
| 38 | Trypanocidal Activity of <i>Smallanthus sonchifolius</i> : Identification of Active Sesquiterpene Lactones by Bioassay-Guided Fractionation. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-8. | 1.2 | 18 |
| 39 | Plasma Membrane Calcium ATPase Activity Is Regulated by Actin Oligomers through Direct Interaction. Journal of Biological Chemistry, 2013, 288, 23380-23393. | 3.4 | 23 |
| 40 | Wingless-type family member 3A triggers neuronal polarization via cross-activation of the insulin-like growth factor-1 receptor pathway. Frontiers in Cellular Neuroscience, 2013, 7, 194. | 3.7 | 12 |
| 41 | Uptake and Intracellular Trafficking of Superantigens in Dendritic Cells. PLoS ONE, 2013, 8, e66244. | 2.5 | 21 |
| 42 | In Silico Study of Structural and Geometrical Requirements of Natural Sesquiterpene Lactones with Trypanocidal Activity. Mini-Reviews in Medicinal Chemistry, 2013, 13, 1407-1414. | 2.4 | 14 |
| 43 | Antiparasitic Effect of Vitamin B12 on <i>Trypanosoma cruzi</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 5315-5320. | 3.2 | 30 |
| 44 | Evidence of Direct Binding of G-Actin and Calmodulin to PMCA by Surface Plasmon Resonance. Biophysical Journal, 2012, 102, 710a. | 0.5 | 0 |
| 45 | <i>In Vitro</i> Evaluation of Antiprotozoal and Antiviral Activities of Extracts from Argentinean <i>Mikania</i> Species. Scientific World Journal, The, 2012, 2012, 1-6. | 2.1 | 21 |
| 46 | Psilostachyin C: a natural compound with trypanocidal activity. International Journal of Antimicrobial Agents, 2011, 37, 536-543. | 2.5 | 45 |
| 47 | Production of monoclonal antibodies from hybridoma cells immobilized in 3D sol-gel silica matrices. Journal of Materials Chemistry, 2011, 21, 13865. | 6.7 | 12 |
| 48 | Semen Clusterin Is a Novel DC-SIGN Ligand. Journal of Immunology, 2011, 187, 5299-5309. | 0.8 | 65 |
| 49 | Synthesis, trypanocidal activity and molecular modeling studies of 2-alkylaminomethylquinoline derivatives. European Journal of Medicinal Chemistry, 2011, 46, 3696-3703. | 5.5 | 31 |
| 50 | Modulation of endothelial cell migration and angiogenesis: a novel function for the tandem-repeat lectin galectin-8. FASEB Journal, 2011, 25, 242-254. | 0.5 | 123 |
| 51 | Differential Effects of Paromomycin on Ribosomes of <i>Leishmania mexicana</i> and Mammalian Cells. Antimicrobial Agents and Chemotherapy, 2011, 55, 86-93. | 3.2 | 47 |
| 52 | Crystal Structure of Staphylococcal Enterotoxin G (SEG) in Complex with a Mouse T-cell Receptor $\hat{2}$ Chain. Journal of Biological Chemistry, 2011, 286, 1189-1195. | 3.4 | 16 |
| 53 | Redirection of the Immune Response to the Functional Catalytic Domain of the Cystein Proteinase Cruzipain Improves Protective Immunity against <i>Trypanosoma cruzi</i> Infection. Journal of Infectious Diseases, 2010, 202, 136-144. | 4.0 | 43 |
| 54 | Distinct Conformations of Ly49 Natural Killer Cell Receptors Mediate MHC Class I Recognition in Trans and Cis. Immunity, 2009, 31, 598-608. | 14.3 | 52 |

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|----|---|-----|-----------|
| 55 | Vaccination approaches against <i>Trypanosoma cruzi</i> infection. Expert Review of Vaccines, 2009, 8, 921-935. | 4.4 | 63 |
| 56 | Inhibition of HIV-1 Replication in Human Monocyte-Derived Macrophages by Parasite <i>Trypanosoma cruzi</i> . PLoS ONE, 2009, 4, e8246. | 2.5 | 12 |
| 57 | IgG antibodies against phospholipase A2 from <i>Crotalus durissus terrificus</i> : cross-reaction with venoms from <i>Bothrops</i> species from Argentina. Journal of Venomous Animals and Toxins Including Tropical Diseases, 2009, 15, 460-478. | 1.4 | 6 |
| 58 | Isolation of a <i>Trypanosoma cruzi</i> antigen by affinity chromatography with a monoclonal antibody. Preliminary evaluation of its possible applications in serological tests. Clinical and Experimental Immunology, 2008, 82, 93-96. | 2.6 | 16 |
| 59 | Cross-reactivity studies and differential serodiagnosis of human infections caused by <i>Trypanosoma cruzi</i> and <i>Leishmania</i> spp; use of immunoblotting and ELISA with a purified antigen (Ag163B6). Clinical and Experimental Immunology, 2008, 97, 417-423. | 2.6 | 69 |
| 60 | Antibody detection employing sol-gel immobilized parasites. Journal of Immunological Methods, 2008, 335, 65-70. | 1.4 | 10 |
| 61 | Cellular clot formation in a sipunculan worm: Entrapment of foreign particles, cell death and identification of a PGRP-related protein. Journal of Invertebrate Pathology, 2008, 99, 156-165. | 3.2 | 4 |
| 62 | Prime-boost immunization with cruzipain co-administered with MALP-2 triggers a protective immune response able to decrease parasite burden and tissue injury in an experimental <i>Trypanosoma cruzi</i> infection model. Vaccine, 2008, 26, 1999-2009. | 3.8 | 51 |
| 63 | Trypanocidal and Leishmanicidal Activities of Sesquiterpene Lactones from <i>Ambrosia tenuifolia</i> Sprengel (Asteraceae). Antimicrobial Agents and Chemotherapy, 2008, 52, 2415-2419. | 3.2 | 89 |
| 64 | Molecular Architecture of the Major Histocompatibility Complex Class I-binding Site of Ly49 Natural Killer Cell Receptors. Journal of Biological Chemistry, 2008, 283, 16840-16849. | 3.4 | 47 |
| 65 | Oral Vaccination with <i>Salmonella enterica</i> as a Cruzipain-DNA Delivery System Confers Protective Immunity against <i>Trypanosoma cruzi</i> . Infection and Immunity, 2008, 76, 324-333. | 2.2 | 82 |
| 66 | <i>In vitro</i> Antiprotozoal Activity and Chemical Composition of <i>Ambrosia tenuifolia</i> and <i>A. scabra</i> Essential Oils. Natural Product Communications, 2008, 3, 1934578X0800300. | 0.5 | 4 |
| 67 | Superantigen natural affinity maturation revealed by the crystal structure of staphylococcal enterotoxin G and its binding to T-cell receptor V α 28.2. Proteins: Structure, Function and Bioinformatics, 2007, 68, 389-402. | 2.6 | 22 |
| 68 | Trypanocidal and Leishmanicidal Activities of Flavonoids from Argentine Medicinal Plants. American Journal of Tropical Medicine and Hygiene, 2007, 77, 654-659. | 1.4 | 54 |
| 69 | Trypanocidal and leishmanicidal activities of flavonoids from Argentine medicinal plants. American Journal of Tropical Medicine and Hygiene, 2007, 77, 654-9. | 1.4 | 21 |
| 70 | Variable Dimerization of the Ly49A Natural Killer Cell Receptor Results in Differential Engagement of its MHC Class I Ligand. Journal of Molecular Biology, 2006, 362, 102-113. | 4.2 | 27 |
| 71 | Binding of natural variants of staphylococcal superantigens SEG and SEI to TCR and MHC class II molecule. Molecular Immunology, 2006, 43, 927-938. | 2.2 | 36 |
| 72 | Partial characterization of enterocin MR99 from a corn silage isolate of <i>Enterococcus faecalis</i> . Journal of Applied Microbiology, 2006, 100, 123-134. | 3.1 | 39 |

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|----|---|------|-----------|
| 73 | Production of recombinant proteins by sol-gel immobilized Escherichia coli. Enzyme and Microbial Technology, 2006, 40, 168-171. | 3.2 | 23 |
| 74 | Crystal Structure of Staphylococcal Enterotoxin I (SEI) in Complex with a Human Major Histocompatibility Complex Class II Molecule. Journal of Biological Chemistry, 2006, 281, 25356-25364. | 3.4 | 44 |
| 75 | Etanidazole in pH-sensitive liposomes: Design, characterization and in vitro/in vivo anti-Trypanosoma cruzi activity. Journal of Controlled Release, 2005, 103, 599-607. | 9.9 | 46 |
| 76 | Efficient preservation in a silicon oxide matrix of Escherichia coli, producer of recombinant proteins. Applied Microbiology and Biotechnology, 2005, 68, 747-752. | 3.6 | 34 |
| 77 | Cloning, expression and interaction of human T cell receptors with the bacterial superantigen SSA. FEBS Journal, 2004, 271, 4075-4083. | 0.2 | 23 |
| 78 | Modulatory effects on myocardial physiology induced by an anti-Trypanosoma cruzi monoclonal antibody involve recognition of major antigenic epitopes from β 1-adrenergic and M2-muscarinic cholinergic receptors without requiring receptor cross-linking. Journal of Neuroimmunology, 2004, 153, 99-107. | 2.3 | 13 |
| 79 | Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. Biochemistry, 2004, 43, 4170-4178. | 2.5 | 105 |
| 80 | Crystal Structure of the C-terminal Peptidoglycan-binding Domain of Human Peptidoglycan Recognition Protein 1. Journal of Biological Chemistry, 2004, 279, 31873-31882. | 3.4 | 51 |
| 81 | Clinical status and parasitic infection in a Wichi Aboriginal community in Salta, Argentina. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2003, 97, 554-558. | 1.8 | 37 |
| 82 | Use of a purified Trypanosoma cruzi antigen and CpG oligodeoxynucleotides for immunoprotection against a lethal challenge with trypomastigotes. Vaccine, 2003, 22, 77-86. | 3.8 | 56 |
| 83 | Characterization of human infection by Leishmania spp. in the Northwest of Argentina: immune response, double infection with Trypanosoma cruzi and species of Leishmania involved. Parasitology, 2003, 126, 31-39. | 1.5 | 76 |
| 84 | Canine infection and the possible role of dogs in the transmission of American tegumentary leishmaniasis in Salta, Argentina. Veterinary Parasitology, 2002, 110, 1-10. | 1.8 | 40 |
| 85 | Role of Placental Alkaline Phosphatase in the Interaction between Human Placental Trophoblast and Trypanosoma cruzi. Experimental and Molecular Pathology, 2002, 72, 84-90. | 2.1 | 24 |
| 86 | Force of infection and evolution of lesions of canine tegumentary leishmaniasis in Northwestern Argentina. Memorias Do Instituto Oswaldo Cruz, 2001, 96, 649-652. | 1.6 | 23 |
| 87 | Estimation of the Hydrophobic Effect in an Antigen-Antibody Protein-Protein Interface. Biochemistry, 2000, 39, 15375-15387. | 2.5 | 99 |
| 88 | THE STRUCTURAL BASIS OF T CELL ACTIVATION BY SUPERANTIGENS. Annual Review of Immunology, 1999, 17, 435-466. | 21.8 | 294 |
| 89 | Polymerase chain reaction reveals Trypanosoma cruzi infection suspected by serology in cutaneous and mucocutaneous leishmaniasis patients. Acta Tropica, 1999, 72, 295-308. | 2.0 | 30 |
| 90 | Expression of a Recombinant Fab Antibody Fragment against Cruzipain, the Major Cysteine Proteinase of Trypanosoma cruzi. Biochemical and Biophysical Research Communications, 1998, 253, 53-58. | 2.1 | 5 |

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|-----|--|------|-----------|
| 91 | Three-dimensional structure of H-2Dd complexed with an immunodominant peptide from human immunodeficiency virus envelope glycoprotein 120. <i>Journal of Molecular Biology</i> , 1998, 283, 179-191. | 4.2 | 71 |
| 92 | Distribution of D4 dopamine receptor in rat brain with sequence-specific antibodies. <i>Molecular Brain Research</i> , 1997, 45, 1-12. | 2.3 | 132 |
| 93 | Different <i>Trypanosoma cruzi</i> strains promote neuromyopathic damage mediated by distinct T lymphocyte subsets. <i>Clinical and Experimental Immunology</i> , 1997, 107, 328-334. | 2.6 | 26 |
| 94 | Hydrogen Bonding and Solvent Structure in an Antigen-Antibody Interface. Crystal Structures and Thermodynamic Characterization of Three Fv Mutants Complexed with Lysozyme. <i>Biochemistry</i> , 1996, 35, 15494-15503. | 2.5 | 48 |
| 95 | Crystal structure of a T-cell receptor β -chain complexed with a superantigen. <i>Nature</i> , 1996, 384, 188-192. | 27.8 | 295 |
| 96 | <i>Trypanosoma cruzi</i> and <i>Leishmania</i> Spp. Human Mixed Infection. <i>American Journal of Tropical Medicine and Hygiene</i> , 1996, 54, 271-273. | 1.4 | 32 |
| 97 | Modulation of cardiac physiology by an anti- <i>Trypanosoma cruzi</i> monoclonal antibody after interaction with myocardium. <i>FASEB Journal</i> , 1995, 9, 1482-1488. | 0.5 | 18 |
| 98 | Superantigen binding to a T cell receptor beta chain of known three-dimensional structure. <i>Journal of Experimental Medicine</i> , 1995, 182, 1833-1845. | 8.5 | 124 |
| 99 | Protein motion and lock and key complementarity in antigen-antibody reactions. <i>Pharmaceutica Acta Helveticae</i> , 1995, 69, 225-230. | 1.2 | 27 |
| 100 | Localization of the plasma membrane Ca ²⁺ -ATPase isoform PMCA3 in rat cerebellum, choroid plexus and hippocampus. <i>Molecular Brain Research</i> , 1995, 29, 71-80. | 2.3 | 48 |
| 101 | Identity of the major cysteine proteinase (cruzipain) from <i>Trypanosoma cruzi</i> and an antigen (Ag163B6) isolated with a monoclonal antibody. <i>Immunology Letters</i> , 1993, 35, 59-62. | 2.5 | 17 |
| 102 | Activation of Human Neutrophils and Monocytes Induced by Immune Complexes Prepared with Cationized Antibodies or Antigens. <i>Clinical Immunology and Immunopathology</i> , 1993, 69, 9-15. | 2.0 | 4 |
| 103 | Humoral and cellular parameters of the immune system of <i>Cebus apella</i> monkeys. Cross reactivity between monkey and human immunoglobulins. <i>Veterinary Immunology and Immunopathology</i> , 1988, 19, 341-349. | 1.2 | 3 |