

Emilio Luis Malchiodi

List of Publications by Year in descending order

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103
papers

3,821
citations

117453

34
h-index

149479

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.	1.6	5
2	Oxonitrogenated Derivatives of Eremophilans and Eudesmans: Antiproliferative and Anti- <i>Trypanosoma cruzi</i> Activity. Molecules, 2022, 27, 3067.	1.7	2
3	Surface chemistry modification of silica nanoparticles alters the activation of monocytes. Therapeutic Delivery, 2021, 12, 443-459.	1.2	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.	1.4	3
5	Chagas disease vaccine design: the search for an efficient <i>Trypanosoma cruzi</i> immune-mediated control. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165658.	1.8	54
6	Cellular and molecular changes and immune response in the intestinal mucosa during <i>Trichinella spiralis</i> early infection in rats. Parasites and Vectors, 2020, 13, 505.	1.0	13
7	<i>Mycobacterium tuberculosis</i> FasR senses long fatty acyl-CoA through a tunnel and a hydrophobic transmission spine. Nature Communications, 2020, 11, 3703.	5.8	16
8	Cruzipain and Its Physiological Inhibitor, Chagasin, as a DNA-Based Therapeutic Vaccine Against <i>Trypanosoma cruzi</i> . Frontiers in Immunology, 2020, 11, 565142.	2.2	11
9	Trypanocidal Activity of Four Sesquiterpene Lactones Isolated from Asteraceae Species. Molecules, 2020, 25, 2014.	1.7	20
10	Mucosal Heterologous Prime/Boost Vaccination Induces Polyfunctional Systemic Immunity, Improving Protection Against <i>Trypanosoma cruzi</i> . Frontiers in Immunology, 2020, 11, 128.	2.2	22
11	Heterologous Chimeric Construct Comprising a Modified Bacterial Superantigen and a Cruzipain Domain Confers Protection Against <i>Trypanosoma cruzi</i> Infection. Frontiers in Immunology, 2020, 11, 1279.	2.2	4
12	Preparation of Sesquiterpene Lactone Derivatives: Cytotoxic Activity and Selectivity of Action. Molecules, 2019, 24, 1113.	1.7	9
13	Activity of Estafietin and Analogues on <i>Trypanosoma cruzi</i> and <i>Leishmania braziliensis</i> . Molecules, 2019, 24, 1209.	1.7	18
14	egc Superantigens Impair Monocytes/Macrophages Inducing Cell Death and Inefficient Activation. Frontiers in Immunology, 2019, 10, 3008.	2.2	9
15	Anti- Activity of Extracts from Argentinean Asteraceae Species. Iranian Journal of Pharmaceutical Research, 2019, 18, 1854-1861.	0.3	1
16	<i>Trypanosoma cruzi</i> 80 kDa prolyl oligopeptidase (Tc80) as a novel immunogen for Chagas disease vaccine. PLoS Neglected Tropical Diseases, 2018, 12, e0006384.	1.3	26
17	Engineered trivalent immunogen adjuvanted with a STING agonist confers protection against <i>Trypanosoma cruzi</i> infection. Npj Vaccines, 2017, 2, 9.	2.9	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.	1.7	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.	1.2	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.	1.3	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.	1.3	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.	6.5	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.	0.4	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.	1.7	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.	1.1	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.	1.3	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.	1.4	17
28	Peptidoglycan recognition protein-1-peptidoglycan complexes increase monocyte/macrophage activation and enhance the inflammatory response. <i>Immunology</i> , 2015, 145, 429-442.	2.0	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.	1.9	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.	0.9	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.	1.0	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.	0.8	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.	1.7	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.	1.6	7
35	Triazinic dye ligand selection by surface plasmon resonance for recombinant lactoferrin purification. <i>Process Biochemistry</i> , 2013, 48, 1972-1979.	1.8	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.	1.8	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.	1.3	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.	0.5	18
39	Plasma Membrane Calcium ATPase Activity Is Regulated by Actin Oligomers through Direct Interaction. Journal of Biological Chemistry, 2013, 288, 23380-23393.	1.6	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.	1.8	12
41	Uptake and Intracellular Trafficking of Superantigens in Dendritic Cells. PLoS ONE, 2013, 8, e66244.	1.1	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.	1.1	14
43	Antiparasitic Effect of Vitamin B12 on <i>Trypanosoma cruzi</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 5315-5320.	1.4	30
44	Evidence of Direct Binding of G-Actin and Calmodulin to PMCA by Surface Plasmon Resonance. Biophysical Journal, 2012, 102, 710a.	0.2	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.	0.8	21
46	Psilostachyin C: a natural compound with trypanocidal activity. International Journal of Antimicrobial Agents, 2011, 37, 536-543.	1.1	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.	0.4	65
49	Synthesis, trypanocidal activity and molecular modeling studies of 2-alkylaminomethylquinoline derivatives. European Journal of Medicinal Chemistry, 2011, 46, 3696-3703.	2.6	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.	0.2	123
51	Differential Effects of Paromomycin on Ribosomes of <i>Leishmania mexicana</i> and Mammalian Cells. Antimicrobial Agents and Chemotherapy, 2011, 55, 86-93.	1.4	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.	1.6	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.	1.9	43
54	Distinct Conformations of Ly49 Natural Killer Cell Receptors Mediate MHC Class I Recognition in Trans and Cis. Immunity, 2009, 31, 598-608.	6.6	52

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55	Vaccination approaches against <i>Trypanosoma cruzi</i> infection. <i>Expert Review of Vaccines</i> , 2009, 8, 921-935.	2.0	63
56	Inhibition of HIV-1 Replication in Human Monocyte-Derived Macrophages by Parasite <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2009, 4, e8246.	1.1	12
57	IgG antibodies against phospholipase A2 from <i>Crotalus durissus terrificus</i> : cross-reaction with venoms from <i>Bothrops</i> species from Argentina. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2009, 15, 460-478.	0.8	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. <i>Clinical and Experimental Immunology</i> , 2008, 82, 93-96.	1.1	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). <i>Clinical and Experimental Immunology</i> , 2008, 97, 417-423.	1.1	69
60	Antibody detection employing sol-gel immobilized parasites. <i>Journal of Immunological Methods</i> , 2008, 335, 65-70.	0.6	10
61	Cellular clot formation in a sipunculan worm: Entrapment of foreign particles, cell death and identification of a PGRP-related protein. <i>Journal of Invertebrate Pathology</i> , 2008, 99, 156-165.	1.5	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. <i>Vaccine</i> , 2008, 26, 1999-2009.	1.7	51
63	Trypanocidal and Leishmanicidal Activities of Sesquiterpene Lactones from <i>Ambrosia tenuifolia</i> Sprengel (Asteraceae). <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2415-2419.	1.4	89
64	Molecular Architecture of the Major Histocompatibility Complex Class I-binding Site of Ly49 Natural Killer Cell Receptors. <i>Journal of Biological Chemistry</i> , 2008, 283, 16840-16849.	1.6	47
65	Oral Vaccination with <i>Salmonella enterica</i> as a Cruzipain-DNA Delivery System Confers Protective Immunity against <i>Trypanosoma cruzi</i> . <i>Infection and Immunity</i> , 2008, 76, 324-333.	1.0	82
66	<i>In vitro</i> Antiprotozoal Activity and Chemical Composition of <i>Ambrosia tenuifolia</i> and <i>A. scabra</i> Essential Oils. <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.2	4
67	Superantigen natural affinity maturation revealed by the crystal structure of staphylococcal enterotoxin G and its binding to T-cell receptor V β 28.2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 68, 389-402.	1.5	22
68	Trypanocidal and Leishmanicidal Activities of Flavonoids from Argentine Medicinal Plants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 654-659.	0.6	54
69	Trypanocidal and leishmanicidal activities of flavonoids from Argentine medicinal plants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 654-9.	0.6	21
70	Variable Dimerization of the Ly49A Natural Killer Cell Receptor Results in Differential Engagement of its MHC Class I Ligand. <i>Journal of Molecular Biology</i> , 2006, 362, 102-113.	2.0	27
71	Binding of natural variants of staphylococcal superantigens SEG and SEI to TCR and MHC class II molecule. <i>Molecular Immunology</i> , 2006, 43, 927-938.	1.0	36
72	Partial characterization of enterocin MR99 from a corn silage isolate of <i>Enterococcus faecalis</i> . <i>Journal of Applied Microbiology</i> , 2006, 100, 123-134.	1.4	39

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73	Production of recombinant proteins by sol-gel immobilized Escherichia coli. Enzyme and Microbial Technology, 2006, 40, 168-171.	1.6	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.	1.6	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.	4.8	46
76	Efficient preservation in a silicon oxide matrix of Escherichia coli, producer of recombinant proteins. Applied Microbiology and Biotechnology, 2005, 68, 747-752.	1.7	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.	1.1	13
79	Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. Biochemistry, 2004, 43, 4170-4178.	1.2	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.	1.6	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.	0.7	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.	1.7	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.	0.7	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.	0.7	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.	0.9	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.	0.8	23
87	Estimation of the Hydrophobic Effect in an Antigen-Antibody Protein-Protein Interface. Biochemistry, 2000, 39, 15375-15387.	1.2	99
88	THE STRUCTURAL BASIS OF T CELL ACTIVATION BY SUPERANTIGENS. Annual Review of Immunology, 1999, 17, 435-466.	9.5	294
89	Polymerase chain reaction reveals Trypanosoma cruzi infection suspected by serology in cutaneous and mucocutaneous leishmaniasis patients. Acta Tropica, 1999, 72, 295-308.	0.9	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.	1.0	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.	2.0	71
92	Distribution of D4 dopamine receptor in rat brain with sequence-specific antibodies. <i>Molecular Brain Research</i> , 1997, 45, 1-12.	2.5	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.	1.1	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.	1.2	48
95	Crystal structure of a T-cell receptor β -chain complexed with a superantigen. <i>Nature</i> , 1996, 384, 188-192.	13.7	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.	0.6	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.	0.2	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.	4.2	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.	2.5	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.	1.1	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.	2.1	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.	0.5	3