

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	Crystal structure of a T-cell receptor $\hat{\Gamma}^2$ -chain complexed with a superantigen. <i>Nature</i> , 1996, 384, 188-192.	27.8	295
2	THE STRUCTURAL BASIS OF T CELL ACTIVATION BY SUPERANTIGENS. <i>Annual Review of Immunology</i> , 1999, 17, 435-466.	21.8	294
3	Distribution of D4 dopamine receptor in rat brain with sequence-specific antibodies. <i>Molecular Brain Research</i> , 1997, 45, 1-12.	2.3	132
4	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
5	Modulation of endothelial cell migration and angiogenesis: a novel function for the $\hat{\alpha}$ etandem $\hat{\epsilon}$ repeat $\hat{\epsilon}$ lectin galectin $\hat{\epsilon}$ 8. <i>FASEB Journal</i> , 2011, 25, 242-254.	0.5	123
6	Binding Specificity of Multiprotein Signaling Complexes Is Determined by Both Cooperative Interactions and Affinity Preferences. <i>Biochemistry</i> , 2004, 43, 4170-4178.	2.5	105
7	Estimation of the Hydrophobic Effect in an Antigen $\hat{\gamma}$ Antibody Protein $\hat{\gamma}$ Protein Interface $\hat{\epsilon}$, $\hat{\epsilon}$ j. <i>Biochemistry</i> , 2000, 39, 15375-15387.	2.5	99
8	Trypanocidal and Leishmanicidal Activities of Sesquiterpene Lactones from <i>Ambrosia tenuifolia</i> Sprengel (Asteraceae). <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 2415-2419.	3.2	89
9	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.	2.2	82
10	Characterization of human infection by <i>Leishmania</i> spp. in the Northwest of Argentina: immune response, double infection with <i>Trypanosoma cruzi</i> and species of <i>Leishmania</i> involved. <i>Parasitology</i> , 2003, 126, 31-39.	1.5	76
11	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
12	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.	2.6	69
13	Semen Clusterin Is a Novel DC-SIGN Ligand. <i>Journal of Immunology</i> , 2011, 187, 5299-5309.	0.8	65
14	Vaccination approaches against <i>Trypanosoma cruzi</i> infection. <i>Expert Review of Vaccines</i> , 2009, 8, 921-935.	4.4	63
15	Use of a purified <i>Trypanosoma cruzi</i> antigen and CpG oligodeoxynucleotides for immunoprotection against a lethal challenge with trypomastigotes. <i>Vaccine</i> , 2003, 22, 77-86.	3.8	56
16	Chagas disease vaccine design: the search for an efficient <i>Trypanosoma cruzi</i> immune-mediated control. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165658.	3.8	54
17	Trypanocidal and Leishmanicidal Activities of Flavonoids from Argentine Medicinal Plants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 654-659.	1.4	54
18	Distinct Conformations of Ly49 Natural Killer Cell Receptors Mediate MHC Class I Recognition in Trans and Cis. <i>Immunity</i> , 2009, 31, 598-608.	14.3	52

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19	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
20	Crystal Structure of the C-terminal Peptidoglycan-binding Domain of Human Peptidoglycan Recognition Protein II \pm . <i>Journal of Biological Chemistry</i> , 2004, 279, 31873-31882.	3.4	51
21	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.	3.8	51
22	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
23	Hydrogen Bonding and Solvent Structure in an Antigen \sim Antibody Interface. Crystal Structures and Thermodynamic Characterization of Three Fv Mutants Complexed with Lysozyme $\hat{\epsilon}$,#. <i>Biochemistry</i> , 1996, 35, 15494-15503.	2.5	48
24	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.	3.4	47
25	Differential Effects of Paromomycin on Ribosomes of <i>Leishmania mexicana</i> and Mammalian Cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 86-93.	3.2	47
26	Etanidazole in pH-sensitive liposomes: Design, characterization and in vitro/in vivo anti- <i>Trypanosoma cruzi</i> activity. <i>Journal of Controlled Release</i> , 2005, 103, 599-607.	9.9	46
27	Psilostachyin C: a natural compound with trypanocidal activity. <i>International Journal of Antimicrobial Agents</i> , 2011, 37, 536-543.	2.5	45
28	Engineered trivalent immunogen adjuvanted with a STING agonist confers protection against <i>Trypanosoma cruzi</i> infection. <i>Npj Vaccines</i> , 2017, 2, 9.	6.0	45
29	Crystal Structure of Staphylococcal Enterotoxin I (SEI) in Complex with a Human Major Histocompatibility Complex Class II Molecule. <i>Journal of Biological Chemistry</i> , 2006, 281, 25356-25364.	3.4	44
30	Redirection of the Immune Response to the Functional Catalytic Domain of the Cystein Proteinase Cruzipain Improves Protective Immunity against <i>Trypanosoma cruzi</i> Infection. <i>Journal of Infectious Diseases</i> , 2010, 202, 136-144.	4.0	43
31	Natural Terpenoids from Ambrosia Species Are Active In Vitro and In Vivo against Human Pathogenic <i>Trypanosomatids</i> . <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2494.	3.0	42
32	Peptidoglycan recognition protein $\hat{\epsilon}$ peptidoglycan complexes increase monocyte/macrophage activation and enhance the inflammatory response. <i>Immunology</i> , 2015, 145, 429-442.	4.4	42
33	Canine infection and the possible role of dogs in the transmission of American tegumentary leishmaniasis in Salta, Argentina. <i>Veterinary Parasitology</i> , 2002, 110, 1-10.	1.8	40
34	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.	3.1	39
35	Trypanocidal and leishmanicidal activities of flavonoids isolated from <i>Stevia satureifolia</i> var. <i>satureifolia</i> . <i>Pharmaceutical Biology</i> , 2016, 54, 2188-2195.	2.9	38
36	Clinical status and parasitic infection in a Wichi Aboriginal community in Salta, Argentina. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2003, 97, 554-558.	1.8	37

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37	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.	2.2	36
38	Efficient preservation in a silicon oxide matrix of <i>Escherichia coli</i> , producer of recombinant proteins. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 747-752.	3.6	34
39	<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
40	Synthesis, trypanocidal activity and molecular modeling studies of 2-alkylaminomethylquinoline derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3696-3703.	5.5	31
41	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
42	Polymerase chain reaction reveals <i>Trypanosoma cruzi</i> infection suspected by serology in cutaneous and mucocutaneous leishmaniasis patients. <i>Acta Tropica</i> , 1999, 72, 295-308.	2.0	30
43	Antiparasitic Effect of Vitamin B12 on <i>Trypanosoma cruzi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 5315-5320.	3.2	30
44	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
45	Assessment of sesquiterpene lactones isolated from <i>Mikania</i> 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
46	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
47	Protein motion and lock and key complementarity in antigen-antibody reactions. <i>Pharmaceutica Acta Helveticae</i> , 1995, 69, 225-230.	1.2	27
48	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.	4.2	27
49	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
50	<i>Trypanosoma cruzi</i> 80 kDa prolyl oligopeptidase (Tc80) as a novel immunogen for Chagas disease vaccine. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006384.	3.0	26
51	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
52	Role of Placental Alkaline Phosphatase in the Interaction between Human Placental Trophoblast and <i>Trypanosoma cruzi</i> . <i>Experimental and Molecular Pathology</i> , 2002, 72, 84-90.	2.1	24
53	Force of infection and evolution of lesions of canine tegumentary leishmaniasis in Northwestern Argentina. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2001, 96, 649-652.	1.6	23
54	Cloning, expression and interaction of human T cell receptors with the bacterial superantigen SSA. <i>FEBS Journal</i> , 2004, 271, 4075-4083.	0.2	23

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55	Production of recombinant proteins by sol-gel immobilized <i>Escherichia coli</i> . <i>Enzyme and Microbial Technology</i> , 2006, 40, 168-171.	3.2	23
56	Plasma Membrane Calcium ATPase Activity Is Regulated by Actin Oligomers through Direct Interaction. <i>Journal of Biological Chemistry</i> , 2013, 288, 23380-23393.	3.4	23
57	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
58	Superantigen natural affinity maturation revealed by the crystal structure of staphylococcal enterotoxin G and its binding to T-cell receptor V β 8.2. <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 68, 389-402.	2.6	22
59	Mucosal Heterologous Prime/Boost Vaccination Induces Polyfunctional Systemic Immunity, Improving Protection Against <i>Trypanosoma cruzi</i> . <i>Frontiers in Immunology</i> , 2020, 11, 128.	4.8	22
60	In Vitro Evaluation of Antiprotozoal and Antiviral Activities of Extracts from Argentinean <i>Mikania</i> Species. <i>Scientific World Journal</i> , The, 2012, 2012, 1-6.	2.1	21
61	<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
62	Uptake and Intracellular Trafficking of Superantigens in Dendritic Cells. <i>PLoS ONE</i> , 2013, 8, e66244.	2.5	21
63	Trypanocidal and leishmanicidal activities of flavonoids from Argentine medicinal plants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 77, 654-9.	1.4	21
64	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
65	Trypanocidal Activity of Four Sesquiterpene Lactones Isolated from Asteraceae Species. <i>Molecules</i> , 2020, 25, 2014.	3.8	20
66	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
67	Trypanocidal Activity of <i>Smallanthus sonchifolius</i> : Identification of Active Sesquiterpene Lactones by Bioassay-Guided Fractionation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-8.	1.2	18
68	Activity of Estafietin and Analogues on <i>Trypanosoma cruzi</i> and <i>Leishmania braziliensis</i> . <i>Molecules</i> , 2019, 24, 1209.	3.8	18
69	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
70	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
71	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
72	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.	2.6	16

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73	Crystal Structure of Staphylococcal Enterotoxin G (SEG) in Complex with a Mouse T-cell Receptor $\hat{2}$ Chain. <i>Journal of Biological Chemistry</i> , 2011, 286, 1189-1195.	3.4	16
74	<i>Mycobacterium tuberculosis</i> FasR senses long fatty acyl-CoA through a tunnel and a hydrophobic transmission spine. <i>Nature Communications</i> , 2020, 11, 3703.	12.8	16
75	In Silico Study of Structural and Geometrical Requirements of Natural Sesquiterpene Lactones with Trypanocidal Activity. <i>Mini-Reviews in Medicinal Chemistry</i> , 2013, 13, 1407-1414.	2.4	14
76	Modulatory effects on myocardial physiology induced by an anti- <i>Trypanosoma cruzi</i> monoclonal antibody involve recognition of major antigenic epitopes from $\hat{2}$ 1-adrenergic and M2-muscarinic cholinergic receptors without requiring receptor cross-linking. <i>Journal of Neuroimmunology</i> , 2004, 153, 99-107.	2.3	13
77	Cellular and molecular changes and immune response in the intestinal mucosa during <i>Trichinella spiralis</i> early infection in rats. <i>Parasites and Vectors</i> , 2020, 13, 505.	2.5	13
78	Production of monoclonal antibodies from hybridoma cells immobilized in 3D sol-gel silica matrices. <i>Journal of Materials Chemistry</i> , 2011, 21, 13865.	6.7	12
79	Wingless-type family member 3A triggers neuronal polarization via cross-activation of the insulin-like growth factor-1 receptor pathway. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 194.	3.7	12
80	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
81	Inhibition of HIV-1 Replication in Human Monocyte-Derived Macrophages by Parasite <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2009, 4, e8246.	2.5	12
82	Cruzipain and Its Physiological Inhibitor, Chagasin, as a DNA-Based Therapeutic Vaccine Against <i>Trypanosoma cruzi</i> . <i>Frontiers in Immunology</i> , 2020, 11, 565142.	4.8	11
83	Surface chemistry modification of silica nanoparticles alters the activation of monocytes. <i>Therapeutic Delivery</i> , 2021, 12, 443-459.	2.2	11
84	Antibody detection employing sol-gel immobilized parasites. <i>Journal of Immunological Methods</i> , 2008, 335, 65-70.	1.4	10
85	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
86	Preparation of Sesquiterpene Lactone Derivatives: Cytotoxic Activity and Selectivity of Action. <i>Molecules</i> , 2019, 24, 1113.	3.8	9
87	egc Superantigens Impair Monocytes/Macrophages Inducing Cell Death and Inefficient Activation. <i>Frontiers in Immunology</i> , 2019, 10, 3008.	4.8	9
88	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
89	A Positive Cooperativity Binding Model between Ly49 Natural Killer Cell Receptors and the Viral Immune-evasin m157. <i>Journal of Biological Chemistry</i> , 2014, 289, 5083-5096.	3.4	7
90	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.	1.4	6

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91	Expression of a Recombinant Fab Antibody Fragment against Cruzipain, the Major Cysteine Proteinase of <i>Trypanosoma cruzi</i> . <i>Biochemical and Biophysical Research Communications</i> , 1998, 253, 53-58.	2.1	5
92	Triazinic dye ligand selection by surface plasmon resonance for recombinant lactoferricin purification. <i>Process Biochemistry</i> , 2013, 48, 1972-1979.	3.7	5
93	<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. <i>ACS Omega</i> , 2022, 7, 968-978.	3.5	5
94	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
95	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.	3.2	4
96	<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.	0.5	4
97	Heterologous Chimeric Construct Comprising a Modified Bacterial Superantigen and a Cruzipain Domain Confers Protection Against <i>Trypanosoma cruzi</i> Infection. <i>Frontiers in Immunology</i> , 2020, 11, 1279.	4.8	4
98	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
99	Oxidation of proline from the cyclin-binding motif in maize CDKA;1 results in lower affinity with its cyclin regulatory subunit. <i>Phytochemistry</i> , 2020, 169, 112165.	2.9	3
100	Oxonitrogenated Derivatives of Eremophilans and Eudesmans: Antiproliferative and Anti- <i>Trypanosoma cruzi</i> Activity. <i>Molecules</i> , 2022, 27, 3067.	3.8	2
101	Kinetic and thermodynamic studies of the interaction between activating and inhibitory Ly49 natural killer receptors and MHC class I molecules. <i>Biochemical Journal</i> , 2017, 474, 179-194.	3.7	1
102	Anti- Activity of Extracts from Argentinean Asteraceae Species. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 1854-1861.	0.5	1
103	Evidence of Direct Binding of G-Actin and Calmodulin to PMCA by Surface Plasmon Resonance. <i>Biophysical Journal</i> , 2012, 102, 710a.	0.5	0