

Julio Scharfstein

List of Publications by Year in descending order

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62
papers

3,029
citations

159525

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161767

54
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docs citations

63
times ranked

2348
citing authors

#	ARTICLE	IF	CITATIONS
1	Host Cell Invasion by <i>TRYPANOSOMA CRUZI</i> Is Potentiated by Activation of Bradykinin B2 Receptors. <i>Journal of Experimental Medicine</i> , 2000, 192, 1289-1300.	4.2	216
2	Inhibitors of the major cysteinyl proteinase (GP57/51) impair host cell invasion and arrest the intracellular development of <i>Trypanosoma cruzi</i> in vitro. <i>Molecular and Biochemical Parasitology</i> , 1992, 52, 175-184.	0.5	212
3	Structural and functional identification of GP57/51 antigen of <i>Trypanosoma cruzi</i> as a cysteine proteinase. <i>Molecular and Biochemical Parasitology</i> , 1990, 43, 27-38.	0.5	171
4	Identification, characterization and localization of chagasin, a tight-binding cysteine protease inhibitor in <i>Trypanosoma cruzi</i> . <i>Journal of Cell Science</i> , 2001, 114, 3933-3942.	1.2	114
5	Blood-brain barrier traversal by African trypanosomes requires calcium signaling induced by parasite cysteine protease. <i>Journal of Clinical Investigation</i> , 2006, 116, 2739-2747.	3.9	111
6	Kininogenase Activity by the Major Cysteinyl Proteinase (Cruzipain) from <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 25713-25718.	1.6	107
7	Cutting Edge: Bradykinin Induces IL-12 Production by Dendritic Cells: A Danger Signal That Drives Th1 Polarization. <i>Journal of Immunology</i> , 2003, 170, 5349-5353.	0.4	105
8	A New Cruzipain-Mediated Pathway of Human Cell Invasion by <i>Trypanosoma cruzi</i> Requires Trypomastigote Membranes. <i>Infection and Immunity</i> , 2004, 72, 5892-5902.	1.0	98
9	Characterization of the substrate specificity of the major cysteine protease (cruzipain) from <i>Trypanosoma cruzi</i> using a portion-mixing combinatorial library and fluorogenic peptides. <i>Biochemical Journal</i> , 1997, 323, 427-433.	1.7	90
10	<i>Trypanosoma cruzi</i> induces edematogenic responses in mice and invades cardiomyocytes and endothelial cells in vitro by activating distinct kinin receptor subtypes (B1/B2). <i>FASEB Journal</i> , 2003, 17, 73-75.	0.2	88
11	Heparan Sulfate Modulates Kinin Release by <i>Trypanosoma cruzi</i> through the Activity of Cruzipain. <i>Journal of Biological Chemistry</i> , 2002, 277, 5875-5881.	1.6	86
12	Chagasin, the endogenous cysteine-protease inhibitor of <i>Trypanosoma cruzi</i> , modulates parasite differentiation and invasion of mammalian cells. <i>Journal of Cell Science</i> , 2005, 118, 901-915.	1.2	86
13	Cooperative Activation of TLR2 and Bradykinin B2 Receptor Is Required for Induction of Type 1 Immunity in a Mouse Model of Subcutaneous Infection by <i>Trypanosoma cruzi</i> . <i>Journal of Immunology</i> , 2006, 177, 6325-6335.	0.4	81
14	Bradykinin B2 Receptors of Dendritic Cells, Acting as Sensors of Kinins Proteolytically Released by <i>Trypanosoma cruzi</i> , Are Critical for the Development of Protective Type-1 Responses. <i>PLoS Pathogens</i> , 2007, 3, e185.	2.1	81
15	Identification of new cysteine protease gene isoforms in <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 67, 333-338.	0.5	74
16	Investigation of the substrate specificity of cruzipain, the major cysteine proteinase of <i>Trypanosoma cruzi</i> , through the use of cystatin-derived substrates and inhibitors. <i>Biochemical Journal</i> , 1996, 313, 951-956.	1.7	74
17	Cysteine protease isoforms from <i>Trypanosoma cruzi</i> , cruzipain 2 and cruzain, present different substrate preference and susceptibility to inhibitors. <i>Molecular and Biochemical Parasitology</i> , 2001, 114, 41-52.	0.5	74
18	The Structure of Chagasin in Complex with a Cysteine Protease Clarifies the Binding Mode and Evolution of an Inhibitor Family. <i>Structure</i> , 2007, 15, 535-543.	1.6	74

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19	Mast Cells in Alveolar Septa of COVID-19 Patients: A Pathogenic Pathway That May Link Interstitial Edema to Immunothrombosis. <i>Frontiers in Immunology</i> , 2020, 11, 574862.	2.2	71
20	Chemical structure and antigenic aspects of complexes obtained from epimastigotes of <i>Trypanosoma cruzi</i> . <i>Biochemistry</i> , 1983, 22, 4980-4987.	1.2	69
21	Congopain from <i>Trypanosoma congolense</i> : Drug Target and Vaccine Candidate. <i>Biological Chemistry</i> , 2002, 383, 739-49.	1.2	60
22	Kinin Danger Signals Proteolytically Released by Gingipain Induce Fimbriae-Specific IFN- γ - and IL-17-Producing T Cells in Mice Infected Intramucosally with <i>Porphyromonas gingivalis</i> . <i>Journal of Immunology</i> , 2009, 183, 3700-3711.	0.4	57
23	<i>Trypanosoma cruzi</i> invades host cells through the activation of endothelin and bradykinin receptors: a converging pathway leading to chagasic vasculopathy. <i>British Journal of Pharmacology</i> , 2012, 165, 1333-1347.	2.7	57
24	Temperature-dependent substrate inhibition of the cysteine proteinase (GP57/51) from <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 1992, 56, 335-338.	0.5	49
25	Proteolytic generation of kinins in tissues infected by <i>Trypanosoma cruzi</i> depends on CXC chemokine secretion by macrophages activated via Toll-like 2 receptors. <i>Journal of Leukocyte Biology</i> , 2009, 85, 1005-1014.	1.5	47
26	Inhibition of cruzipain visualized in a fluorescence quenched solid-phase inhibitor library assay. D-Amino Acid Inhibitors for cruzipain, cathepsin B and cathepsin L. , 1998, 4, 83-91.		46
27	Chagas' Disease: Serodiagnosis with Purified Gp25 Antigen. <i>American Journal of Tropical Medicine and Hygiene</i> , 1985, 34, 1153-1160.	0.6	43
28	Solution Structure and Backbone Dynamics of the <i>Trypanosoma cruzi</i> Cysteine Protease Inhibitor Chagasin. <i>Journal of Molecular Biology</i> , 2006, 357, 1511-1521.	2.0	40
29	A role for extracellular amastigotes in the immunopathology of Chagas disease. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1999, 94, 51-63.	0.8	37
30	Perspectives on the <i>Trypanosoma cruzi</i> host cell receptor interactions. <i>Parasitology Research</i> , 2009, 104, 1251-1260.	0.6	36
31	C5a and Bradykinin Receptor Cross-Talk Regulates Innate and Adaptive Immunity in <i>Trypanosoma cruzi</i> Infection. <i>Journal of Immunology</i> , 2014, 193, 3613-3623.	0.4	32
32	Comparison of the specificity, stability and individual rate constants with respective activation parameters for the peptidase activity of cruzipain and its recombinant form, cruzain, from <i>Trypanosoma cruzi</i> . <i>FEBS Journal</i> , 2001, 268, 6578-6586.	0.2	30
33	The substrate specificity of cruzipain 2, a cysteine protease isoform from <i>Trypanosoma cruzi</i> . <i>FEMS Microbiology Letters</i> , 2006, 259, 215-220.	0.7	29
34	Interplay between parasite cysteine proteases and the host kinin system modulates microvascular leakage and macrophage infection by promastigotes of the <i>Leishmania donovani</i> complex. <i>Microbes and Infection</i> , 2006, 8, 206-220.	1.0	29
35	Oral infection of mice with <i>Fusobacterium nucleatum</i> results in macrophage recruitment to the dental pulp and bone resorption. <i>Biomedical Journal</i> , 2018, 41, 184-193.	1.4	29
36	Mast Cell Coupling to the Kallikrein-Kinin System Fuels Intracardiac Parasitism and Worsens Heart Pathology in Experimental Chagas Disease. <i>Frontiers in Immunology</i> , 2017, 8, 840.	2.2	25

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37	Roles of Naturally Occurring Protease Inhibitors in the Modulation of Host Cell Signaling and Cellular Invasion by <i>Trypanosoma cruzi</i> . <i>Sub-Cellular Biochemistry</i> , 2008, 47, 140-154.	1.0	25
38	Parasite cysteine proteinase interactions with $\hat{\pm}$ 2-macroglobulin or kininogens: differential pathways modulating inflammation and innate immunity in infection by pathogenic trypanosomatids. <i>Immunobiology</i> , 2006, 211, 117-125.	0.8	23
39	Back to the future in Chagas disease: from animal models to patient cohort studies, progress in immunopathogenesis research. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 187-198.	0.8	22
40	Angiotensin-converting enzyme limits inflammation elicited by <i>Trypanosoma cruzi</i> cysteine proteases: a peripheral mechanism regulating adaptive immunity via the innate kinin pathway. <i>Biological Chemistry</i> , 2008, 389, 1015-24.	1.2	21
41	The kallikrein-kinin system in experimental Chagas disease: a paradigm to investigate the impact of inflammatory edema on GPCR-mediated pathways of host cell invasion by <i>Trypanosoma cruzi</i> . <i>Frontiers in Immunology</i> , 2012, 3, 396.	2.2	21
42	Salivary Gland Homogenates of <i>Lutzomyia longipalpis</i> and Its Vasodilatory Peptide Maxadilan Cause Plasma Leakage via PAC1 Receptor Activation. <i>Journal of Vascular Research</i> , 2009, 46, 435-446.	0.6	20
43	Infection-Associated Vasculopathy in Experimental Chagas Disease. <i>Advances in Parasitology</i> , 2011, 76, 101-127.	1.4	19
44	Maxadilan, the <i>Lutzomyia longipalpis</i> vasodilator, drives plasma leakage via PAC1 \hat{C} CXCR1/2-pathway. <i>Microvascular Research</i> , 2012, 83, 185-193.	1.1	18
45	P2Y14 Receptor as a Target for Neutrophilia Attenuation in Severe COVID-19 Cases: From Hematopoietic Stem Cell Recruitment and Chemotaxis to Thrombo \hat{C} inflammation. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 241-252.	1.7	17
46	G Protein-Coupled Kinin Receptors and Immunity Against Pathogens. <i>Advances in Immunology</i> , 2017, 136, 29-84.	1.1	16
47	P2X7 receptor-mediated leukocyte recruitment and <i>Porphyromonas gingivalis</i> clearance requires IL-1 $\hat{2}$ production and autocrine IL-1 receptor activation. <i>Immunobiology</i> , 2019, 224, 50-59.	0.8	16
48	Antigenicity of cystatin-binding proteins from parasitic protozoan Detection by a proteinase inhibitor based capture immunoassay (PINC-ELISA). <i>Journal of Immunological Methods</i> , 1995, 182, 63-72.	0.6	14
49	Subverting bradykinin-evoked inflammation by co-opting the contact system: lessons from survival strategies of <i>Trypanosoma cruzi</i> . <i>Current Opinion in Hematology</i> , 2018, 25, 347-357.	1.2	14
50	Resistance to visceral leishmaniasis is severely compromised in mice deficient of bradykinin B2-receptors. <i>Parasites and Vectors</i> , 2012, 5, 261.	1.0	13
51	Role of vasoactive mediators in the pathogenesis of Chagas disease. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, e410-419.	3.0	11
52	Ecotin-Like ISP of <i>L. major</i> Promastigotes Fine-Tunes Macrophage Phagocytosis by Limiting the Pericellular Release of Bradykinin from Surface-Bound Kininogens: A Survival Strategy Based on the Silencing of Proinflammatory G-Protein Coupled Kinin B ₂ and B ₁ Receptors. <i>Mediators of Inflammation</i> , 2014, 2014, 1-12.	1.4	10
53	Computer-aided quantification of microvascular networks: Application to alterations due to pathological angiogenesis in the hamster. <i>Microvascular Research</i> , 2017, 112, 53-64.	1.1	5
54	Surface megalin expression is a target to the inhibitory effect of bradykinin on the renal albumin endocytosis. <i>Peptides</i> , 2021, 146, 170646.	1.2	5

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55	IL-18R signaling is required for $\hat{3}\hat{1}$ T cell response and confers resistance to <i>Trypanosoma cruzi</i> infection. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1239-1251.	1.5	4
56	20 The kallikrein-kinin system in parasitic infections. , 2011, , .		3
57	Sheltered in Stromal Tissue Cells, <i>Trypanosoma cruzi</i> Orchestrates Inflammatory Neovascularization via Activation of the Mast Cell Chymase Pathway. <i>Pathogens</i> , 2022, 11, 187.	1.2	2
58	Dietary Fiber Drives IL-1 $\hat{2}$ â€“Dependent Peritonitis Induced by <i>Bacteroides fragilis</i> via Activation of the NLRP3 Inflammasome. <i>Journal of Immunology</i> , 2021, 206, 2441-2452.	0.4	1
59	Kinins. , 2016, , 815-836.		1
60	Angiotensin-converting enzyme limits inflammation elicited by <i>Trypanosoma cruzi</i> cysteine proteases: a peripheral mechanism regulating adaptive immunity via the innate kinin pathway. <i>Biological Chemistry</i> , 2008, .	1.2	0
61	Kinins. , 2015, , 1-23.		0
62	Brazilian immunology in Caxambu: beyond vaccination, a tribute to the pioneers of basic research in Chagas disease. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2022, 117, e210314chgsb.	0.8	0