Marcelo T Bozza

List of Publications by Citations

62 papers	4,521 citations	35 h-index	62 g-index
62 ext. papers	5,360 ext. citations	7.4 avg, IF	5.47 L-index

#	Paper	IF	Citations
62	Cytokine profiles as markers of disease severity in sepsis: a multiplex analysis. *Critical Care*, **2007**, 11, R49	10.8	466
61	Characterization of heme as activator of Toll-like receptor 4. *Journal of Biological Chemistry*, **2007**, 282, 20221-9	5.4	393
60	Are reactive oxygen species always detrimental to pathogens?. *Antioxidants and Redox Signaling*, **2014**, 20, 1000-37	8.4	278
59	Inflammasome-derived IL-1β production induces nitric oxide-mediated resistance to Leishmania. *Nature Medicine*, **2013**, 19, 909-15	50.5	246
58	Hemolysis-induced lethality involves inflammasome activation by heme. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E4110-8	11.5	210
57	Heme on innate immunity and inflammation. *Frontiers in Pharmacology*, **2014**, 5, 115	5.6	190
56	Heme induces programmed necrosis on macrophages through autocrine TNF and ROS production. *Blood*, **2012**, 119, 2368-75	2.2	175
55	Macrophage-dependent IL-1β production induces cardiac arrhythmias in diabetic mice. *Nature Communications*, **2016**, 7, 13344	17.4	139
54	Macrophage migration inhibitory factor levels correlate with fatal outcome in sepsis. *Shock*, **2004**, 22, 309-13	3.4	133
53	Shigella induces mitochondrial dysfunction and cell death in nonmyleoid cells. *Cell Host and Microbe* , **2009**, 5, 123-36	23.4	123
52	Heme induces neutrophil migration and reactive oxygen species generation through signaling pathways characteristic of chemotactic receptors. *Journal of Biological Chemistry*, **2007**, 282, 24430-6	5.4	117
51	Oxidative stress fuels Trypanosoma cruzi infection in mice. *Journal of Clinical Investigation*, **2012**, 122, 2531-42	15.9	113
50	An alpha-glucan of Pseudallescheria boydii is involved in fungal phagocytosis and Toll-like receptor activation. *Journal of Biological Chemistry*, **2006**, 281, 22614-23	5.4	109
49	Calcitonin gene-related peptide inhibits local acute inflammation and protects mice against lethal endotoxemia. *Shock*, **2005**, 24, 590-4	3.4	96
48	Contribution of macrophage migration inhibitory factor to the pathogenesis of dengue virus infection. *FASEB Journal*, **2010**, 24, 218-28	0.9	92
47	Red alert: labile heme is an alarmin. *Current Opinion in Immunology*, **2016**, 38, 94-100	7.8	87
46	Monocyte chemoattractant protein-1/CC chemokine ligand 2 controls microtubule-driven biogenesis and leukotriene B4-synthesizing function of macrophage lipid bodies elicited by innate immune response. *Journal of Immunology*, **2007**, 179, 8500-8	5.3	76

45	Monocyte chemoattractant protein-1 and 5-lipoxygenase products recruit leukocytes in response to platelet-activating factor-like lipids in oxidized low-density lipoprotein. *Journal of Immunology*, **2002**, 168, 4112-20	5.3	73
44	Heme amplifies the innate immune response to microbial molecules through spleen tyrosine kinase (Syk)-dependent reactive oxygen species generation. *Journal of Biological Chemistry*, **2010**, 285, 32844-32851	5.4	67
43	Heme oxygenase-1 promotes the persistence of Leishmania chagasi infection. *Journal of Immunology*, **2012**, 188, 4460-7	5.3	67
42	Zika Virus Infects, Activates, and Crosses Brain Microvascular Endothelial Cells, without Barrier Disruption. *Frontiers in Microbiology*, **2017**, 8, 2557	5.7	62
41	Protein aggregation as a cellular response to oxidative stress induced by heme and iron. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E7474-E7482	11.5	55
40	Role of monocyte chemotactic protein-1/CC chemokine ligand 2 on gamma delta T lymphocyte trafficking during inflammation induced by lipopolysaccharide or Mycobacterium bovis bacille Calmette-Guérin. *Journal of Immunology*, **2003**, 171, 6788-94	5.3	55
39	ROS and Trypanosoma cruzi: Fuel to infection, poison to the heart. *PLoS Pathogens*, **2018**, 14, e1006928	7.6	55
38	Trypanosoma cruzi infection is enhanced by vector saliva through immunosuppressant mechanisms mediated by lysophosphatidylcholine. *Infection and Immunity*, **2008**, 76, 5543-52	3.7	53
37	Resveratrol Reverses Functional Chagas Heart Disease in Mice. *PLoS Pathogens*, **2016**, 12, e1005947	7.6	48
36	Leukotriene B4 mediates neutrophil migration induced by heme. *Journal of Immunology*, **2011**, 186, 6562-7	5.3	47
35	Pro-inflammatory response resulting from sindbis virus infection of human macrophages: implications for the pathogenesis of viral arthritis. *Journal of Medical Virology*, **2010**, 82, 164-74	19.7	46
34	Bacterial clearance in septic mice is modulated by MCP-1/CCL2 and nitric oxide. *Shock*, **2013**, 39, 63-9	3.4	44
33	Schistosomal-derived lysophosphatidylcholine are involved in eosinophil activation and recruitment through Toll-like receptor-2-dependent mechanisms. *Journal of Infectious Diseases*, **2010**, 202, 1369-79	7	43
32	Heme impairs prostaglandin E2 and TGF-beta production by human mononuclear cells via Cu/Zn superoxide dismutase: insight into the pathogenesis of severe malaria. *Journal of Immunology*, **2010**, 185, 1196-204	5.3	42
31	Critical role of CD4 T cells and IFNγ signaling in antibody-mediated resistance to Zika virus infection. *Nature Communications*, **2018**, 9, 3136	17.4	41
30	Increased susceptibility to septic and endotoxic shock in monocyte chemoattractant protein 1/cc chemokine ligand 2-deficient mice correlates with reduced interleukin 10 and enhanced macrophage migration inhibitory factor production. *Shock*, **2006**, 26, 457-63	3.4	41
29	Macrophage migration inhibitory factor is critical to interleukin-5-driven eosinophilopoiesis and tissue eosinophilia triggered by Schistosoma mansoni infection. *FASEB Journal*, **2009**, 23, 1262-71	0.9	36
28	Molecular, Cellular and Clinical Aspects of Intracerebral Hemorrhage: Are the Enemies Within?. *Current Neuropharmacology*, **2016**, 14, 392-402	7.6	36

27	CCL2/MCP-1 controls parasite burden, cell infiltration, and mononuclear activation during acute Trypanosoma cruzi infection. *Journal of Leukocyte Biology*, **2009**, 86, 1239-46	6.5	35
26	Pro-inflammatory Actions of Heme and Other Hemoglobin-Derived DAMPs. *Frontiers in Immunology* , **2020**, 11, 1323	8.4	34
25	Macrophage migration inhibitory factor is essential for allergic asthma but not for Th2 differentiation. *European Journal of Immunology*, **2007**, 37, 1097-106	6.1	34
24	Elevated levels of macrophage migration inhibitory factor (MIF) in the plasma of HIV-1-infected patients and in HIV-1-infected cell cultures: a relevant role on viral replication. *Virology*, **2010**, 399, 31-38	3.6	32
23	MIF participates in Toxoplasma gondii-induced pathology following oral infection. *PLoS ONE*, **2011**, 6, e25259	3.7	32
22	TLR4 recognizes Pseudallescheria boydii conidia and purified rhamnomannans. *Journal of Biological Chemistry*, **2010**, 285, 40714-23	5.4	30
21	Glycoconjugates and polysaccharides from the Scedosporium/Pseudallescheria boydii complex: structural characterisation, involvement in cell differentiation, cell recognition and virulence. *Mycoses*, **2011**, 54 Suppl 3, 28-36	5.2	27
20	Binding of glucuronoxylomannan to the CD14 receptor in human A549 alveolar cells induces interleukin-8 production. *Vaccine Journal*, **2007**, 14, 94-8		27
19	Macrophage migration inhibitory factor in protozoan infections. *Journal of Parasitology Research*, **2012**, 2012, 413052	1.9	26
18	Binding of the wheat germ lectin to Cryptococcus neoformans chitooligomers affects multiple mechanisms required for fungal pathogenesis. *Fungal Genetics and Biology*, **2013**, 60, 64-73	3.9	25
17	Fungal surface and innate immune recognition of filamentous fungi. *Frontiers in Microbiology*, **2011**, 2, 248	5.7	25
16	RIPK1-RIPK3-MLKL-Associated Necroptosis Drives Killing in Neutrophils. *Frontiers in Immunology*, **2018**, 9, 1818	8.4	25
15	Cross-talk between macrophage migration inhibitory factor and eotaxin in allergic eosinophil activation forms leukotriene C□synthesizing lipid bodies. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 44, 509-16	5.7	23
14	The Role of MIF on Eosinophil Biology and Eosinophilic Inflammation. *Clinical Reviews in Allergy and Immunology*, **2020**, 58, 15-24	12.3	22
13	Migration inhibitory factor (MIF) released by macrophages upon recognition of immune complexes is critical to inflammation in Arthus reaction. *Journal of Leukocyte Biology*, **2009**, 85, 855-61	6.5	20
12	Unraveling the lethal synergism between Trypanosoma cruzi infection and LPS: a role for increased macrophage reactivity. *European Journal of Immunology*, **2007**, 37, 1355-64	6.1	20
11	Cryptococcus neoformans glucuronoxylomannan fractions of different molecular masses are functionally distinct. *Future Microbiology*, **2014**, 9, 147-61	2.9	17
10	Heme Drives Oxidative Stress-Associated Cell Death in Human Neutrophils Infected with. *Frontiers in Immunology*, **2017**, 8, 1620	8.4	16

List of Publications

9	Salivary gland homogenates of Lutzomyia longipalpis and its vasodilatory peptide maxadilan cause plasma leakage via PAC1 receptor activation. *Journal of Vascular Research*, **2009**, 46, 435-46	1.9	16
8	Maxadilan, the Lutzomyia longipalpis vasodilator, drives plasma leakage via PAC1-CXCR1/2-pathway. *Microvascular Research*, **2012**, 83, 185-93	3.7	15
7	CXCR4 and MIF are required for neutrophil extracellular trap release triggered by Plasmodium-infected erythrocytes. *PLoS Pathogens*, **2020**, 16, e1008230	7.6	14
6	RIPK1 and PGAM5 Control Leishmania Replication through Distinct Mechanisms. *Journal of Immunology*, **2016**, 196, 5056-63	5.3	13
5	Heme oxygenase-1 in protozoan infections: A´tale of resistance and disease tolerance. *PLoS Pathogens*, **2020**, 16, e1008599	7.6	12
4	Mitochondrial Reactive Oxygen Species Participate in Signaling Triggered by Heme in Macrophages and upon Hemolysis. *Journal of Immunology*, **2020**, 205, 2795-2805	5.3	11
3	Heme and iron induce protein aggregation. *Autophagy*, **2017**, 13, 625-626	10.2	9
2	Short-Term Regulation of FcR-Mediated Phagocytosis by TLRs in Macrophages: Participation of 5-Lipoxygenase Products. *Mediators of Inflammation*, **2017**, 2017, 2086840	4.3	7
1	MIF in Eosinophilic Inflammation **2017**, 189-202		