

Marcelo Torres Bozza

List of Publications by Year in descending order

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100
papers

7,995
citations

71004

43
h-index

56606

87
g-index

102
all docs

102
docs citations

102
times ranked

12737
citing authors

#	ARTICLE	IF	CITATIONS
1	Infection of Endothelial Cells by Dengue Virus Induces ROS Production by Different Sources Affecting Virus Replication, Cellular Activation, Death and Vascular Permeability. <i>Frontiers in Immunology</i> , 2022, 13, 810376.	2.2	20
2	Plasma and memory antibody responses to Gamma SARS-CoV-2 provide limited cross-protection to other variants. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	6
3	Intracerebral Injection of Heme Induces Lipid Peroxidation, Neuroinflammation, and Sensorimotor Deficits. <i>Stroke</i> , 2021, 52, 1788-1797.	1.0	11
4	Chloroquine inhibits pro-inflammatory effects of heme on macrophages and in vivo. <i>Free Radical Biology and Medicine</i> , 2021, 173, 104-116.	1.3	8
5	c-MAF-dependent perivascular macrophages regulate diet-induced metabolic syndrome. <i>Science Immunology</i> , 2021, 6, eabg7506.	5.6	27
6	The Role of MIF on Eosinophil Biology and Eosinophilic Inflammation. <i>Clinical Reviews in Allergy and Immunology</i> , 2020, 58, 15-24.	2.9	38
7	Congenital Zika syndrome is associated with maternal protein malnutrition. <i>Science Advances</i> , 2020, 6, eaaw6284.	4.7	55
8	Mitochondrial Reactive Oxygen Species Participate in Signaling Triggered by Heme in Macrophages and upon Hemolysis. <i>Journal of Immunology</i> , 2020, 205, 2795-2805.	0.4	20
9	Heme oxygenase-1 in protozoan infections: A tale of resistance and disease tolerance. <i>PLoS Pathogens</i> , 2020, 16, e1008599.	2.1	21
10	CXCR4 and MIF are required for neutrophil extracellular trap release triggered by Plasmodium-infected erythrocytes. <i>PLoS Pathogens</i> , 2020, 16, e1008230.	2.1	35
11	Pro-inflammatory Actions of Heme and Other Hemoglobin-Derived DAMPs. <i>Frontiers in Immunology</i> , 2020, 11, 1323.	2.2	83
12	Heme Oxygenase-1 and Autophagy Linked for Cytoprotection. <i>Current Pharmaceutical Design</i> , 2018, 24, 2311-2316.	0.9	20
13	RIPK1 and RIPK3 are MLKL-Associated Necroptosis Drives Leishmania infantum Killing in Neutrophils. <i>Frontiers in Immunology</i> , 2018, 9, 1818.	2.2	45
14	ROS and Trypanosoma cruzi: Fuel to infection, poison to the heart. <i>PLoS Pathogens</i> , 2018, 14, e1006928.	2.1	91
15	Co-protoporphyrin IX and Sn-protoporphyrin IX inactivate Zika, Chikungunya and other arboviruses by targeting the viral envelope. <i>Scientific Reports</i> , 2018, 8, 9805.	1.6	45
16	Critical role of CD4+ T cells and IFN- γ signaling in antibody-mediated resistance to Zika virus infection. <i>Nature Communications</i> , 2018, 9, 3136.	5.8	64
17	Heme Drives Oxidative Stress-Associated Cell Death in Human Neutrophils Infected with Leishmania infantum. <i>Frontiers in Immunology</i> , 2017, 8, 1620.	2.2	37
18	Short-Term Regulation of Fc γ R-Mediated Phagocytosis by TLRs in Macrophages: Participation of 5-Lipoxygenase Products. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	10

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19	MIF in Eosinophilic Inflammation. , 2017, , 189-202.		0
20	Molecular, Cellular and Clinical Aspects of Intracerebral Hemorrhage: Are the Enemies Within?. Current Neuropharmacology, 2016, 14, 392-402.	1.4	51
21	RIPK1 and PGAM5 Control <i>Leishmania</i> Replication through Distinct Mechanisms. Journal of Immunology, 2016, 196, 5056-5063.	0.4	29
22	Macrophage-dependent IL-1 β production induces cardiac arrhythmias in diabetic mice. Nature Communications, 2016, 7, 13344.	5.8	203
23	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.	3.3	77
24	Inactivation of Dengue and Yellow Fever viruses by heme, cobalt-protoporphyrin IX and tin-protoporphyrin IX. Journal of Applied Microbiology, 2016, 120, 790-804.	1.4	52
25	Macrophage migration inhibitory factor drives neutrophil accumulation by facilitating IL-1 β production in a murine model of acute gout. Journal of Leukocyte Biology, 2016, 99, 1035-1043.	1.5	40
26	Red alert: labile heme is an alarmin. Current Opinion in Immunology, 2016, 38, 94-100.	2.4	119
27	Resveratrol Reverses Functional Chagas Heart Disease in Mice. PLoS Pathogens, 2016, 12, e1005947.	2.1	64
28	CCR4 Controls the Suppressive Effects of Regulatory T Cells on Early and Late Events during Severe Sepsis. PLoS ONE, 2015, 10, e0133227.	1.1	27
29	Immunology and Infection by Protozoan Parasites. Mediators of Inflammation, 2015, 2015, 1-2.	1.4	2
30	Macrophage migration inhibitory factor promotes eosinophil accumulation and tissue remodeling in eosinophilic esophagitis. Mucosal Immunology, 2015, 8, 1154-1165.	2.7	26
31	Heme on innate immunity and inflammation. Frontiers in Pharmacology, 2014, 5, 115.	1.6	252
32	Are Reactive Oxygen Species Always Detrimental to Pathogens?. Antioxidants and Redox Signaling, 2014, 20, 1000-1037.	2.5	391
33	<i>Cryptococcus neoformans</i> glucuronoxylomannan fractions of different molecular masses are functionally distinct. Future Microbiology, 2014, 9, 147-161.	1.0	30
34	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.	3.3	263
35	Design, Synthesis, and Evaluation of Hydroxamic Acid Derivatives as Promising Agents for the Management of Chagas Disease. Journal of Medicinal Chemistry, 2014, 57, 298-308.	2.9	69
36	Lack of galectin-3 speeds Wallerian degeneration by altering TLR and pro-inflammatory cytokine expressions in injured sciatic nerve. European Journal of Neuroscience, 2013, 37, 1682-1690.	1.2	35

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37	Oral immunization with <i>Lactococcus lactis</i> secreting attenuated recombinant staphylococcal enterotoxin B induces a protective immune response in a murine model. <i>Microbial Cell Factories</i> , 2013, 12, 32.	1.9	31
38	Binding of the wheat germ lectin to <i>Cryptococcus neoformans</i> chitoooligomers affects multiple mechanisms required for fungal pathogenesis. <i>Fungal Genetics and Biology</i> , 2013, 60, 64-73.	0.9	31
39	Inflammasome-derived IL-1 β production induces nitric oxide-mediated resistance to <i>Leishmania</i> . <i>Nature Medicine</i> , 2013, 19, 909-915.	15.2	345
40	Platelets mediate increased endothelium permeability in dengue through NLRP3-inflammasome activation. <i>Blood</i> , 2013, 122, 3405-3414.	0.6	276
41	Bacterial Clearance in Septic Mice Is Modulated by MCP-1/CCL2 and Nitric Oxide. <i>Shock</i> , 2013, 39, 63-69.	1.0	63
42	Heme Oxygenase-1 Promotes the Persistence of <i>Leishmania chagasi</i> Infection. <i>Journal of Immunology</i> , 2012, 188, 4460-4467.	0.4	87
43	Macrophage Migration Inhibitory Factor in Protozoan Infections. <i>Journal of Parasitology Research</i> , 2012, 2012, 1-12.	0.5	33
44	MIF in Infectious Diseases. , 2012, , 185-214.		0
45	Ketoprofen Impairs Immunosuppression Induced by Severe Sepsis and Reveals an Important Role for Prostaglandin E2. <i>Shock</i> , 2012, 38, 620-629.	1.0	21
46	Heme induces programmed necrosis on macrophages through autocrine TNF and ROS production. <i>Blood</i> , 2012, 119, 2368-2375.	0.6	216
47	Maxadilan, the <i>Lutzomyia longipalpis</i> vasodilator, drives plasma leakage via PAC1-CXCR1/2-pathway. <i>Microvascular Research</i> , 2012, 83, 185-193.	1.1	18
48	Oxidative stress fuels <i>Trypanosoma cruzi</i> infection in mice. <i>Journal of Clinical Investigation</i> , 2012, 122, 2531-2542.	3.9	163
49	Fungal Surface and Innate Immune Recognition of Filamentous Fungi. <i>Frontiers in Microbiology</i> , 2011, 2, 248.	1.5	33
50	Glycoconjugates and polysaccharides from the <i>Scenedosporium</i> / <i>Pseudallescheria boydii</i> complex: structural characterisation, involvement in cell differentiation, cell recognition and virulence. <i>Mycoses</i> , 2011, 54, 28-36.	1.8	31
51	Leukotriene B4 Mediates Neutrophil Migration Induced by Heme. <i>Journal of Immunology</i> , 2011, 186, 6562-6567.	0.4	52
52	Cross-Talk between Macrophage Migration Inhibitory Factor and Eotaxin in Allergic Eosinophil Activation Forms Leukotriene C ₄ -Synthesizing Lipid Bodies. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 44, 509-516.	1.4	27
53	MIF Participates in <i>Toxoplasma gondii</i> -Induced Pathology Following Oral Infection. <i>PLoS ONE</i> , 2011, 6, e25259.	1.1	40
54	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. <i>Virology</i> , 2010, 399, 31-38.	1.1	39

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55	Pro-inflammatory response resulting from Sindbis virus infection of human macrophages: Implications for the pathogenesis of viral arthritis. <i>Journal of Medical Virology</i> , 2010, 82, 164-174.	2.5	53
56	Schistosoma-derived Lysophosphatidylcholine Are Involved in Eosinophil Activation and Recruitment through Toll-like Receptor 2-dependent Mechanisms. <i>Journal of Infectious Diseases</i> , 2010, 202, 1369-1379.	1.9	58
57	Heme Amplifies the Innate Immune Response to Microbial Molecules through Spleen Tyrosine Kinase (Syk)-dependent Reactive Oxygen Species Generation*. <i>Journal of Biological Chemistry</i> , 2010, 285, 32844-32851.	1.6	80
58	TLR4 Recognizes <i>Pseudallescheria boydii</i> Conidia and Purified Rhamnomannans. <i>Journal of Biological Chemistry</i> , 2010, 285, 40714-40723.	1.6	38
59	Heme Impairs Prostaglandin E2 and TGF- β 2 Production by Human Mononuclear Cells via Cu/Zn Superoxide Dismutase: Insight into the Pathogenesis of Severe Malaria. <i>Journal of Immunology</i> , 2010, 185, 1196-1204.	0.4	50
60	Contribution of macrophage migration inhibitory factor to the pathogenesis of dengue virus infection. <i>FASEB Journal</i> , 2010, 24, 218-228.	0.2	104
61	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
62	Macrophage migration inhibitory factor is critical to interleukin-5-driven eosinophilopoiesis and tissue eosinophilia triggered by <i>Schistosoma mansoni</i> infection. <i>FASEB Journal</i> , 2009, 23, 1262-1271.	0.2	40
63	Migration inhibitory factor (MIF) released by macrophages upon recognition of immune complexes is critical to inflammation in Arthus reaction. <i>Journal of Leukocyte Biology</i> , 2009, 85, 855-861.	1.5	23
64	CCL2/MCP-1 controls parasite burden, cell infiltration, and mononuclear activation during acute <i>Trypanosoma cruzi</i> infection. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1239-1246.	1.5	53
65	TLR2-dependent mast cell activation contributes to the control of <i>Mycobacterium tuberculosis</i> infection. <i>Microbes and Infection</i> , 2009, 11, 770-778.	1.0	44
66	<i>Shigella</i> Induces Mitochondrial Dysfunction and Cell Death in Nonmyeloid Cells. <i>Cell Host and Microbe</i> , 2009, 5, 123-136.	5.1	140
67	The extracellular release of <i>Schistosoma mansoni</i> HMGB1 nuclear protein is mediated by acetylation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 1245-1249.	1.0	29
68	Impact of lung remodelling on respiratory mechanics in a model of severe allergic inflammation. <i>Respiratory Physiology and Neurobiology</i> , 2008, 160, 239-248.	0.7	15
69	<i>Trypanosoma cruzi</i> Infection Is Enhanced by Vector Saliva through Immunosuppressant Mechanisms Mediated by Lysophosphatidylcholine. <i>Infection and Immunity</i> , 2008, 76, 5543-5552.	1.0	62
70	Binding of Glucuronoxylomannan to the CD14 Receptor in Human A549 Alveolar Cells Induces Interleukin-8 Production. <i>Vaccine Journal</i> , 2007, 14, 94-98.	3.2	30
71	Characterization of Heme as Activator of Toll-like Receptor 4. <i>Journal of Biological Chemistry</i> , 2007, 282, 20221-20229.	1.6	479
72	Heme Induces Neutrophil Migration and Reactive Oxygen Species Generation through Signaling Pathways Characteristic of Chemotactic Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 24430-24436.	1.6	140

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73	Biochemical and biological characterization of the venoms of <i>Bothriopsis bilineata</i> and <i>Bothriopsis taeniata</i> (Serpentes: Viperidae). <i>Toxicon</i> , 2007, 50, 270-277.	0.8	25
74	Effects of the fish-oil supplementation on the immune and inflammatory responses in elite swimmers. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 77, 139-145.	1.0	27
75	Cytokine profiles as markers of disease severity in sepsis: a multiplex analysis. <i>Critical Care</i> , 2007, 11, R49.	2.5	580
76	Macrophage migration inhibitory factor is essential for allergic asthma but not for Th2 differentiation. <i>European Journal of Immunology</i> , 2007, 37, 1097-1106.	1.6	40
77	Unraveling the lethal synergism between <i>Trypanosoma cruzi</i> infection and LPS: A role for increased macrophage reactivity. <i>European Journal of Immunology</i> , 2007, 37, 1355-1364.	1.6	20
78	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. <i>Shock</i> , 2006, 26, 457-463.	1.0	42
79	Hypothalamus-pituitary-adrenal axis during <i>Trypanosoma cruzi</i> acute infection in mice. <i>Journal of Neuroimmunology</i> , 2006, 173, 12-22.	1.1	72
80	An α -Glucan of <i>Pseudallescheria boydii</i> Is Involved in Fungal Phagocytosis and Toll-like Receptor Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 22614-22623.	1.6	127
81	Nod1 Participates in the Innate Immune Response to <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 36714-36718.	1.6	139
82	<i>Toxoplasma gondii</i> Prevents Neuron Degeneration by Interferon- β -Activated Microglia in a Mechanism Involving Inhibition of Inducible Nitric Oxide Synthase and Transforming Growth Factor- β 1 Production by Infected Microglia. <i>American Journal of Pathology</i> , 2005, 167, 1021-1031.	1.9	68
83	MACROPHAGE MIGRATION INHIBITORY FACTOR LEVELS CORRELATE WITH FATAL OUTCOME IN SEPSIS. <i>Shock</i> , 2004, 22, 309-313.	1.0	152
84	Influence of first-wave derived T lymphocytes in the long term functional reconstitution of allogeneic T cell deficient hosts. <i>Immunobiology</i> , 2003, 207, 207-215.	0.8	0
85	Soluble Factors Released by <i>Toxoplasma gondii</i> -Infected Astrocytes Down-Modulate Nitric Oxide Production by Gamma Interferon-Activated Microglia and Prevent Neuronal Degeneration. <i>Infection and Immunity</i> , 2003, 71, 2047-2057.	1.0	73
86	Pituitary Adenylyl Cyclase-activating Polypeptide Prevents Induced Cell Death in Retinal Tissue through Activation of Cyclic AMP-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2002, 277, 16075-16080.	1.6	60
87	Proinflammatory and Cytotoxic Effects of Hexadecylphosphocholine (Miltefosine) against Drug-Resistant Strains of <i>Trypanosoma cruzi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3472-3477.	1.4	48
88	Effects of perillyl alcohol in glial C6 cell line in vitro and anti-metastatic activity in chorioallantoic membrane model. <i>International Journal of Molecular Medicine</i> , 2002, 10, 785-8.	1.8	25
89	The role of eicosanoids on <i>Rhodnius</i> heme-binding protein (RHBP) endocytosis by <i>Rhodnius prolixus</i> ovaries. <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 537-545.	1.2	27
90	Artefatos cumarônicos isolados de <i>Polygala paniculata</i> L. (Polygalaceae). <i>Revista Brasileira De Farmacognosia</i> , 2002, 12, 21.	0.6	11

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91	Resolution of skeletal muscle inflammation in mdx dystrophic mouse is accompanied by increased immunoglobulin and interferon- γ production. <i>International Journal of Experimental Pathology</i> , 2002, 83, 121-132.	0.6	34
92	Migration-Inhibitory Factor Gene-Deficient Mice Are Susceptible to Cutaneous <i>Leishmania major</i> Infection. <i>Infection and Immunity</i> , 2001, 69, 906-911.	1.0	117
93	Evidences of gentamicin resistance amplification in <i>Klebsiella pneumoniae</i> isolated from faeces of hospitalized newborns. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1999, 94, 795-802.	0.8	3
94	Targeted Disruption of Migration Inhibitory Factor Gene Reveals Its Critical Role in Sepsis. <i>Journal of Experimental Medicine</i> , 1999, 189, 341-346.	4.2	510
95	The PACAP-type I receptor agonist maxadilan from sand fly saliva protects mice against lethal endotoxemia by a mechanism partially dependent on IL-10. <i>European Journal of Immunology</i> , 1998, 28, 3120-3127.	1.6	45
96	An oligonucleotide probe derived from kDNA minirepeats is specific for <i>Leishmania</i> (Viannia). <i>Memorias Do Instituto Oswaldo Cruz</i> , 1996, 91, 279-284.	0.8	26
97	Neutral endopeptidase modulation of septic shock.. <i>Journal of Experimental Medicine</i> , 1995, 181, 2271-2275.	4.2	159
98	Structural Characterization and Chromosomal Location of the Mouse Macrophage Migration Inhibitory Factor Gene and Pseudogenes. <i>Genomics</i> , 1995, 27, 412-419.	1.3	42
99	Detection of <i>Trypanosoma cruzi</i> and <i>Leishmania</i> using the polymerase chain reaction. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1994, 89, 367-368.	0.8	19
100	Use of molecular probes and PCR for detection and typing of <i>Leishmania</i> - a mini-review. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1994, 89, 463-469.	0.8	172