# Marcelo T Bozza

List of Publications by Year
in descending order



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|---|---|---|---|
| 62 papers | 5,879 citations | 81889<br>39 h-index | 123420<br>61 g-index |
| 62 all docs | 62 docs citations | 62 times ranked | 9227 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cytokine profiles as markers of disease severity in sepsis: a multiplex analysis. Critical Care, 2007, 11, R49. | 5.8 | 580 |
| 2 | Characterization of Heme as Activator of Toll-like Receptor 4. Journal of Biological Chemistry, 2007, 282, 20221-20229. | 3.4 | 479 |
| 3 | Are Reactive Oxygen Species Always Detrimental to Pathogens?. Antioxidants and Redox Signaling, 2014, 20, 1000-1037. | 5.4 | 391 |
| 4 | Inflammasome-derived IL-1Î² production induces nitric oxideâ€“mediated resistance to Leishmania. Nature Medicine, 2013, 19, 909-915. | 30.7 | 345 |
| 5 | 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. | 7.1 | 263 |
| 6 | Heme on innate immunity and inflammation. Frontiers in Pharmacology, 2014, 5, 115. | 3.5 | 252 |
| 7 | Heme induces programmed necrosis on macrophages through autocrine TNF and ROS production. Blood, 2012, 119, 2368-2375. | 1.4 | 216 |
| 8 | Macrophage-dependent IL-1Î² production induces cardiac arrhythmias in diabetic mice. Nature Communications, 2016, 7, 13344. | 12.8 | 203 |
| 9 | Oxidative stress fuels Trypanosoma cruzi infection in mice. Journal of Clinical Investigation, 2012, 122, 2531-2542. | 8.2 | 163 |
| 10 | MACROPHAGE MIGRATION INHIBITORY FACTOR LEVELS CORRELATE WITH FATAL OUTCOME IN SEPSIS. Shock, 2004, 22, 309-313. | 2.1 | 152 |
| 11 | Heme Induces Neutrophil Migration and Reactive Oxygen Species Generation through Signaling Pathways Characteristic of Chemotactic Receptors. Journal of Biological Chemistry, 2007, 282, 24430-24436. | 3.4 | 140 |
| 12 | Shigella Induces Mitochondrial Dysfunction and Cell Death in Nonmyleoid Cells. Cell Host and Microbe, 2009, 5, 123-136. | 11.0 | 140 |
| 13 | An Î±-Glucan of Pseudallescheria boydii Is Involved in Fungal Phagocytosis and Toll-like Receptor Activation. Journal of Biological Chemistry, 2006, 281, 22614-22623. | 3.4 | 127 |
| 14 | Red alert: labile heme is an alarmin. Current Opinion in Immunology, 2016, 38, 94-100. | 5.5 | 119 |
| 15 | CALCITONIN GENE-RELATED PEPTIDE INHIBITS LOCAL ACUTE INFLAMMATION AND PROTECTS MICE AGAINST LETHAL ENDOTOXEMIA. Shock, 2005, 24, 590-594. | 2.1 | 116 |
| 16 | Contribution of macrophage migration inhibitory factor to the pathogenesis of dengue virus infection. FASEB Journal, 2010, 24, 218-228. | 0.5 | 104 |
| 17 | Zika Virus Infects, Activates, and Crosses Brain Microvascular Endothelial Cells, without Barrier Disruption. Frontiers in Microbiology, 2017, 8, 2557. | 3.5 | 96 |
| 18 | ROS and Trypanosoma cruzi: Fuel to infection, poison to the heart. PLoS Pathogens, 2018, 14, e1006928. | 4.7 | 91 |

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|---|---|---|---|
| 19 | Heme Oxygenase-1 Promotes the Persistence of <i>Leishmania chagasi</i> Infection. Journal of Immunology, 2012, 188, 4460-4467. | 0.8 | 87 |
| 20 | 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, 8500-8508. | 0.8 | 86 |
| 21 | Pro-inflammatory Actions of Heme and Other Hemoglobin-Derived DAMPs. Frontiers in Immunology, 2020, 11, 1323. | 4.8 | 83 |
| 22 | 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. | 3.4 | 80 |
| 23 | 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, 4112-4120. | 0.8 | 77 |
| 24 | 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. | 7.1 | 77 |
| 25 | Critical role of CD4+ T cells and IFNÎ³ signaling in antibody-mediated resistance to Zika virus infection. Nature Communications, 2018, 9, 3136. | 12.8 | 64 |
| 26 | Resveratrol Reverses Functional Chagas Heart Disease in Mice. PLoS Pathogens, 2016, 12, e1005947. | 4.7 | 64 |
| 27 | Bacterial Clearance in Septic Mice Is Modulated by MCP-1/CCL2 and Nitric Oxide. Shock, 2013, 39, 63-69. | 2.1 | 63 |
| 28 | <i>Trypanosoma cruzi</i>Infection Is Enhanced by Vector Saliva through Immunosuppressant Mechanisms Mediated by Lysophosphatidylcholine. Infection and Immunity, 2008, 76, 5543-5552. | 2.2 | 62 |
| 29 | Role of Monocyte Chemotactic Protein-1/CC Chemokine Ligand 2 on Î³Î´ T Lymphocyte Trafficking during Inflammation Induced by Lipopolysaccharide or<i>Mycobacterium bovis</i>Bacille Calmette-GueÌrin. Journal of Immunology, 2003, 171, 6788-6794. | 0.8 | 58 |
| 30 | Schistosomalâ€Derived Lysophosphatidylcholine Are Involved in Eosinophil Activation and Recruitment through Tollâ€Like Receptorâ€“2â€“Dependent Mechanisms. Journal of Infectious Diseases, 2010, 202, 1369-1379. | 4.0 | 58 |
| 31 | CCL2/MCP-1 controls parasite burden, cell infiltration, and mononuclear activation during acute <i>Trypanosoma cruzi</i> infection. Journal of Leukocyte Biology, 2009, 86, 1239-1246. | 3.3 | 53 |
| 32 | Proâ€inflammatory response resulting from sindbis virus infection of human macrophages: Implications for the pathogenesis of viral arthritis. Journal of Medical Virology, 2010, 82, 164-174. | 5.0 | 53 |
| 33 | Leukotriene B4 Mediates Neutrophil Migration Induced by Heme. Journal of Immunology, 2011, 186, 6562-6567. | 0.8 | 52 |
| 34 | Molecular, Cellular and Clinical Aspects of Intracerebral Hemorrhage: Are the Enemies Within?. Current Neuropharmacology, 2016, 14, 392-402. | 2.9 | 51 |
| 35 | Heme Impairs Prostaglandin E2 and TGF-Î² Production by Human Mononuclear Cells via Cu/Zn Superoxide Dismutase: Insight into the Pathogenesis of Severe Malaria. Journal of Immunology, 2010, 185, 1196-1204. | 0.8 | 50 |
| 36 | RIPK1â€“RIPK3â€“MLKL-Associated Necroptosis Drives Leishmania infantum Killing in Neutrophils. Frontiers in Immunology, 2018, 9, 1818. | 4.8 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | 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, 457-463. | 2.1 | 42 |
| 38 | Macrophage migration inhibitory factor is essential for allergic asthma but not for Th2 differentiation. European Journal of Immunology, 2007, 37, 1097-1106. | 2.9 | 40 |
| 39 | Macrophage migration inhibitory factor is critical to interleukinâ€5â€driven eosinophilopoiesis and tissue eosinophilia triggered by <i>Schistosoma mansoni</i> infection. FASEB Journal, 2009, 23, 1262-1271. | 0.5 | 40 |
| 40 | MIF Participates in Toxoplasma gondii-Induced Pathology Following Oral Infection. PLoS ONE, 2011, 6, e25259. | 2.5 | 40 |
| 41 | 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. | 2.4 | 39 |
| 42 | TLR4 Recognizes Pseudallescheria boydii Conidia and Purified Rhamnomannans. Journal of Biological Chemistry, 2010, 285, 40714-40723. | 3.4 | 38 |
| 43 | The Role of MIF on Eosinophil Biology and Eosinophilic Inflammation. Clinical Reviews in Allergy and Immunology, 2020, 58, 15-24. | 6.5 | 38 |
| 44 | Heme Drives Oxidative Stress-Associated Cell Death in Human Neutrophils Infected with Leishmania infantum. Frontiers in Immunology, 2017, 8, 1620. | 4.8 | 37 |
| 45 | CXCR4 and MIF are required for neutrophil extracellular trap release triggered by Plasmodium-infected erythrocytes. PLoS Pathogens, 2020, 16, e1008230. | 4.7 | 35 |
| 46 | Fungal Surface and Innate Immune Recognition of Filamentous Fungi. Frontiers in Microbiology, 2011, 2, 248. | 3.5 | 33 |
| 47 | Macrophage Migration Inhibitory Factor in Protozoan Infections. Journal of Parasitology Research, 2012, 2012, 1-12. | 1.2 | 33 |
| 48 | Glycoconjugates and polysaccharides from the <i>Scedosporium</i>/<i>Pseudallescheria boydii</i> complex: structural characterisation, involvement in cell differentiation, cell recognition and virulence. Mycoses, 2011, 54, 28-36. | 4.0 | 31 |
| 49 | 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. | 2.1 | 31 |
| 50 | Binding of Glucuronoxylomannan to the CD14 Receptor in Human A549 Alveolar Cells Induces Interleukin-8 Production. Vaccine Journal, 2007, 14, 94-98. | 3.1 | 30 |
| 51 | <i>Cryptococcus neoformans</i> glucuronoxylomannan fractions of different molecular masses are functionally distinct. Future Microbiology, 2014, 9, 147-161. | 2.0 | 30 |
| 52 | RIPK1 and PGAM5 Control <i>Leishmania</i> Replication through Distinct Mechanisms. Journal of Immunology, 2016, 196, 5056-5063. | 0.8 | 29 |
| 53 | Cross-Talk between Macrophage Migration Inhibitory Factor and Eotaxin in Allergic Eosinophil Activation Forms Leukotriene C<sub>4</sub>â€“Synthesizing Lipid Bodies. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 509-516. | 2.9 | 27 |
| 54 | 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, 855-861. | 3.3 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Heme oxygenase-1 in protozoan infections: AÂtale of resistance and disease tolerance. PLoS Pathogens, 2020, 16, e1008599. | 4.7 | 21 |
| 56 | Unraveling the lethal synergism betweenTrypanosoma cruzi infection and LPS: A role for increased macrophage reactivity. European Journal of Immunology, 2007, 37, 1355-1364. | 2.9 | 20 |
| 57 | Salivary Gland Homogenates of <i>Lutzomyia longipalpis</i> and Its Vasodilatory Peptide Maxadilan Cause Plasma Leakage via PAC1 Receptor Activation. Journal of Vascular Research, 2009, 46, 435-446. | 1.4 | 20 |
| 58 | Mitochondrial Reactive Oxygen Species Participate in Signaling Triggered by Heme in Macrophages and upon Hemolysis. Journal of Immunology, 2020, 205, 2795-2805. | 0.8 | 20 |
| 59 | Maxadilan, the Lutzomyia longipalpis vasodilator, drives plasma leakage via PAC1â€“CXCR1/2-pathway. Microvascular Research, 2012, 83, 185-193. | 2.5 | 18 |
| 60 | Heme and iron induce protein aggregation. Autophagy, 2017, 13, 625-626. | 9.1 | 14 |
| 61 | Short-Term Regulation of Fc<i>Î³</i>R-Mediated Phagocytosis by TLRs in Macrophages: Participation of 5-Lipoxygenase Products. Mediators of Inflammation, 2017, 2017, 1-10. | 3.0 | 10 |
| 62 | MIF in Eosinophilic Inflammation. , 2017, , 189-202. | | 0 |