

# Karina R Bortoluci

## List of Publications by Year in descending order

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54  
papers

6,465  
citations

201674

27  
h-index

155660

55  
g-index

58  
all docs

58  
docs citations

58  
times ranked

14820  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Two physically, functionally, and developmentally distinct peritoneal macrophage subsets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2568-2573.	7.1	564
3	Pattern Recognition Receptors and the Host Cell Death Molecular Machinery. <i>Frontiers in Immunology</i> , 2018, 9, 2379.	4.8	435
4	Inflammasome-derived IL-1 $\beta$ production induces nitric oxide-mediated resistance to <i>Leishmania</i> . <i>Nature Medicine</i> , 2013, 19, 909-915.	30.7	345
5	Revisiting Mouse Peritoneal Macrophages: Heterogeneity, Development, and Function. <i>Frontiers in Immunology</i> , 2015, 6, 225.	4.8	231
6	Control of infection by pyroptosis and autophagy: role of TLR and NLR. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1643-1651.	5.4	125
7	Acetate coordinates neutrophil and ILC3 responses against <i>C. difficile</i> through FFAR2. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	116
8	Critical Role of ASC Inflammasomes and Bacterial Type IV Secretion System in Caspase-1 Activation and Host Innate Resistance to <i>Brucella abortus</i> Infection. <i>Journal of Immunology</i> , 2013, 190, 3629-3638.	0.8	112
9	NLRP3 Controls <i>Trypanosoma cruzi</i> Infection through a Caspase-1-Dependent IL-1R-Independent NO Production. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2469.	3.0	108
10	Pulmonary Infection with Hypervirulent Mycobacteria Reveals a Crucial Role for the P2X7 Receptor in Aggressive Forms of Tuberculosis. <i>PLoS Pathogens</i> , 2014, 10, e1004188.	4.7	74
11	Toll-like receptor 4 agonists adsorbed to aluminium hydroxide adjuvant attenuate ovalbumin-specific allergic airway disease: role of MyD88 adaptor molecule and interleukin-12/interferon- $\gamma$ axis. <i>Clinical and Experimental Allergy</i> , 2008, 38, 1668-1679.	2.9	69
12	Interaction between <i>Paracoccidioides brasiliensis</i> and Pulmonary Dendritic Cells Induces Interleukin-10 Production and Toll-like Receptor-2 Expression: Possible Mechanisms of Susceptibility. <i>Journal of Infectious Diseases</i> , 2007, 196, 1108-1115.	4.0	65
13	What kind of message does IL-12/IL-23 bring to macrophages and dendritic cells?. <i>Microbes and Infection</i> , 2004, 6, 630-636.	1.9	62
14	Cellular Renewal and Improvement of Local Cell Effector Activity in Peritoneal Cavity in Response to Infectious Stimuli. <i>PLoS ONE</i> , 2011, 6, e22141.	2.5	57
15	Pathogen-Induced Proapoptotic Phenotype and High CD95 (Fas) Expression Accompany a Suboptimal CD8+ T-Cell Response: Reversal by Adenoviral Vaccine. <i>PLoS Pathogens</i> , 2012, 8, e1002699.	4.7	57
16	Emerging Concepts about NAIP/NLRC4 Inflammasomes. <i>Frontiers in Immunology</i> , 2014, 5, 309.	4.8	53
17	Role of Endogenous IFN- $\gamma$ in Macrophage Programming Induced by IL-12 and IL-18. <i>Journal of Interferon and Cytokine Research</i> , 2007, 27, 399-410.	1.2	51
18	Pathology Affects Different Organs in Two Mouse Strains Chronically Infected by a <i>Trypanosoma cruzi</i> Clone: a Model for Genetic Studies of Chagas Disease. <i>Infection and Immunity</i> , 2004, 72, 2350-2357.	2.2	50

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19	Contribution of NK, NK T, $\hat{I}^3$ T, and $\hat{I}^2$ T Cells to the Gamma Interferon Response Required for Liver Protection against <i>Trypanosoma cruzi</i> . <i>Infection and Immunity</i> , 2006, 74, 2031-2042.	2.2	50
20	Cytosolic flagellin-induced lysosomal pathway regulates inflammasome-dependent and -independent macrophage responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3321-30.	7.1	50
21	Role of interplay between IL-4 and IFN- $\hat{I}^3$ in the in regulating M1 macrophage polarization induced by Nattectin. <i>International Immunopharmacology</i> , 2012, 14, 513-522.	3.8	46
22	A Novel Pathway for Inducible Nitric-oxide Synthase Activation through Inflammasomes. <i>Journal of Biological Chemistry</i> , 2010, 285, 32087-32095.	3.4	45
23	Regulatory T Cells Accumulate in the Lung Allergic Inflammation and Efficiently Suppress T-Cell Proliferation but Not Th2 Cytokine Production. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-13.	3.3	45
24	IFN- $\hat{I}^3$ , But Not Nitric Oxide or Specific IgG, is Essential for the <i>In vivo</i> Control of Low-virulence Sylvio X10/4 <i>Trypanosoma cruzi</i> Parasites. <i>Scandinavian Journal of Immunology</i> , 2007, 66, 297-308.	2.7	44
25	Inflammasome activation and IL-1 signaling during placental malaria induce poor pregnancy outcomes. <i>Science Advances</i> , 2020, 6, eaax6346.	10.3	40
26	Role of CD28 in Polyclonal and Specific T and B Cell Responses Required for Protection against Blood Stage Malaria. <i>Journal of Immunology</i> , 2005, 174, 790-799.	0.8	36
27	TLR4/MYD88-dependent, LPS-induced synthesis of PGE2 by macrophages or dendritic cells prevents anti-CD3-mediated CD95L upregulation in T cells. <i>Cell Death and Differentiation</i> , 2008, 15, 1901-1909.	11.2	31
28	Infection by the Sylvio X10/4 clone of <i>Trypanosoma cruzi</i> : relevance of a low-virulence model of Chagas' disease. <i>Microbes and Infection</i> , 2009, 11, 1037-1045.	1.9	31
29	Chagas Disease: Still Many Unsolved Issues. <i>Mediators of Inflammation</i> , 2014, 2014, 1-9.	3.0	29
30	Susceptibility of the different developmental stages of the asexual (schizogonic) erythrocyte cycle of <i>Plasmodium chabaudi chabaudi</i> to hyperimmune serum, immunoglobulin (Ig)G1, IgG2a and F(ab $\hat{I}^2$ )2 fragments. <i>Parasite Immunology</i> , 2001, 23, 587-597.	1.5	28
31	Epigenetic regulation of nitric oxide synthase 2, inducible (Nos2) by NLRC4 inflammasomes involves PARP1 cleavage. <i>Scientific Reports</i> , 2017, 7, 41686.	3.3	26
32	Impaired Macrophage Responses May Contribute to Exacerbation of Blood-Stage <i>Plasmodium chabaudi chabaudi</i> Malaria in Interleukin-12-Deficient Mice. <i>Journal of Interferon and Cytokine Research</i> , 2002, 22, 1191-1199.	1.2	22
33	Annexin A1 Regulates NLRP3 Inflammasome Activation and Modifies Lipid Release Profile in Isolated Peritoneal Macrophages. <i>Cells</i> , 2020, 9, 926.	4.1	22
34	Analysis of the activation profile of dendritic cells derived from the bone marrow of interleukin-12/interleukin-23-deficient mice. <i>Immunology</i> , 2005, 114, 499-506.	4.4	20
35	Frontline Science: Autophagy is a cell autonomous effector mechanism mediated by NLRP3 to control <i>Trypanosoma cruzi</i> infection. <i>Journal of Leukocyte Biology</i> , 2019, 106, 531-540.	3.3	18
36	The global response to the COVID-19 pandemic: how have immunology societies contributed?. <i>Nature Reviews Immunology</i> , 2020, 20, 594-602.	22.7	17

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37	Inflammatory effect of Bothropstoxin-I from <i>Bothrops jararacussu</i> venom mediated by NLRP3 inflammasome involves ATP and P2X7 receptor. <i>Clinical Science</i> , 2021, 135, 687-701.	4.3	16
38	A Human Trypanosome Suppresses CD8+ T Cell Priming by Dendritic Cells through the Induction of Immune Regulatory CD4+ Foxp3+ T Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005698.	4.7	14
39	Endostatin gene therapy inhibits intratumoral macrophage M2 polarization. <i>Biomedicine and Pharmacotherapy</i> , 2016, 79, 102-111.	5.6	14
40	Anti-IL-2 Treatment Impairs the Expansion of Treg Cell Population during Acute Malaria and Enhances the Th1 Cell Response at the Chronic Disease. <i>PLoS ONE</i> , 2012, 7, e29894.	2.5	13
41	Paradise revealed III: why so many ways to die? Apoptosis, necroptosis, pyroptosis, and beyond. <i>Cell Death and Differentiation</i> , 2020, 27, 1740-1742.	11.2	13
42	CHALLENGE OF TRYPANOSOMA CRUZI CHRONICALLY INFECTED MICE WITH TRYPOMASTIGOTES ACTIVATES THE IMMUNE SYSTEM AND REDUCES SUBPATENT PARASITEMIA LEVELS. <i>Journal of Parasitology</i> , 2004, 90, 516-523.	0.7	11
43	Evaluation of pyroptosis in macrophages using cytosolic delivery of purified flagellin. <i>Methods</i> , 2013, 61, 110-116.	3.8	11
44	The impairment in the NLRP3-induced NO secretion renders astrocytes highly permissive to <i>T. cruzi</i> replication. <i>Journal of Leukocyte Biology</i> , 2019, 106, 201-207.	3.3	11
45	Caspase-8 and FADD: Where Cell Death and Inflammation Collide. <i>Immunity</i> , 2020, 52, 890-892.	14.3	11
46	CXCR3 chemokine receptor contributes to specific CD8+ T cell activation by pDC during infection with intracellular pathogens. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008414.	3.0	9
47	Role of Annexin A1 in NLRP3 Inflammasome Activation in Murine Neutrophils. <i>Cells</i> , 2021, 10, 121.	4.1	9
48	Rapamycin Improves the Response of Effector and Memory CD8+ T Cells Induced by Immunization With ASP2 of <i>Trypanosoma cruzi</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 676183.	3.9	8
49	Extracellular vesicles derived from head and neck squamous cells carcinoma inhibit NLRP3 inflammasomes. <i>Current Research in Immunology</i> , 2021, 2, 175-183.	2.8	7
50	Role of interferon- $\beta$ during CpG oligodeoxynucleotide-adjuvanted immunization with recombinant proteins. <i>Vaccine</i> , 2007, 25, 6007-6017.	3.8	6
51	OIP5 Expression Sensitize Glioblastoma Cells to Lomustine Treatment. <i>Journal of Molecular Neuroscience</i> , 2018, 66, 383-389.	2.3	4
52	Concomitant Isolation of Primary Astrocytes and Microglia for Protozoa Parasite Infection. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	4
53	RIPK3 and Caspase-1/11 Are Necessary for Optimal Antigen-Specific CD8 T Cell Response Elicited by Genetically Modified <i>Listeria monocytogenes</i> . <i>Frontiers in Immunology</i> , 2020, 11, 536.	4.8	4
54	Absence of Bim sensitizes mice to experimental <i>Trypanosoma cruzi</i> infection. <i>Cell Death and Disease</i> , 2021, 12, 692.	6.3	2