

# Miriam Rodriguez-Sosa

## List of Publications by Year in descending order

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76  
papers

2,364  
citations

186265

28  
h-index

233421

45  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic Helminth Infection Induces Alternatively Activated Macrophages Expressing High Levels of CCR5 with Low Interleukin-12 Production and Th2-Biasing Ability. <i>Infection and Immunity</i> , 2002, 70, 3656-3664.	2.2	125
2	Role of the programmed Death-1 pathway in the suppressive activity of alternatively activated macrophages in experimental cysticercosis. <i>International Journal for Parasitology</i> , 2005, 35, 1349-1358.	3.1	118
3	Food-grade titanium dioxide exposure exacerbates tumor formation in colitis associated cancer model. <i>Food and Chemical Toxicology</i> , 2016, 93, 20-31.	3.6	100
4	Genetically Resistant Mice Lacking IL-18 Gene Develop Th1 Response and Control Cutaneous <i>Leishmania major</i> Infection. <i>Journal of Immunology</i> , 2000, 164, 5890-5893.	0.8	77
5	Macrophage Migration Inhibitory Factor (MIF): A Key Player in Protozoan Infections. <i>International Journal of Biological Sciences</i> , 2011, 7, 1239-1256.	6.4	77
6	Macrophage Migration Inhibitory Factor Contributes to Host Defense against Acute <i>Trypanosoma cruzi</i> Infection. <i>Infection and Immunity</i> , 2006, 74, 3170-3179.	2.2	75
7	Cutting Edge: Susceptibility to the Larval Stage of the Helminth Parasite <i>Taenia crassiceps</i> Is Mediated by Th2 Response Induced Via STAT6 Signaling. <i>Journal of Immunology</i> , 2002, 168, 3135-3139.	0.8	74
8	Macrophage Migration Inhibitory Factor Plays a Critical Role in Mediating Protection against the Helminth Parasite <i>Taenia crassiceps</i> . <i>Infection and Immunity</i> , 2003, 71, 1247-1254.	2.2	71
9	Th1-type cytokines improve resistance to murine cysticercosis caused by <i>Taenia crassiceps</i> . <i>Parasitology Research</i> , 1999, 85, 135-141.	1.6	69
10	Macrophage migration inhibitory factor (MIF) is critical for the host resistance against <i>Toxoplasma gondii</i> . <i>FASEB Journal</i> , 2008, 22, 3661-3671.	0.5	67
11	Aryl hydrocarbon receptor influences nitric oxide and arginine production and alters M1/M2 macrophage polarization. <i>Life Sciences</i> , 2016, 155, 76-84.	4.3	63
12	The Role of MIF in Type 1 and Type 2 Diabetes Mellitus. <i>Journal of Diabetes Research</i> , 2014, 2014, 1-6.	2.3	59
13	Over-production of IFN- $\gamma$ and IL-12 in AhR-null mice. <i>FEBS Letters</i> , 2005, 579, 6403-6410.	2.8	57
14	Parasitic Infections: A Role for C-Type Lectins Receptors. <i>BioMed Research International</i> , 2013, 2013, 1-11.	1.9	57
15	Intact glycans from cestode antigens are involved in innate activation of myeloid suppressor cells. <i>Parasite Immunology</i> , 2005, 27, 395-405.	1.5	55
16	A STAT4-Dependent Th1 Response Is Required for Resistance to the Helminth Parasite <i>Taenia crassiceps</i> . <i>Infection and Immunity</i> , 2004, 72, 4552-4560.	2.2	52
17	Macrophage migration inhibitory factor is a therapeutic target in treatment of non-insulin-dependent diabetes mellitus. <i>FASEB Journal</i> , 2010, 24, 2583-2590.	0.5	51
18	Lack of STAT6 Attenuates Inflammation and Drives Protection against Early Steps of Colitis-Associated Colon Cancer. <i>Cancer Immunology Research</i> , 2017, 5, 385-396.	3.4	47

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19	Nitric oxide contributes to host resistance against experimental <i>Taenia crassiceps</i> cysticercosis. <i>Parasitology Research</i> , 2007, 100, 1341-1350.	1.6	44
20	The Unexpected Role for the Aryl Hydrocarbon Receptor on Susceptibility to Experimental Toxoplasmosis. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-15.	3.0	44
21	Carbohydrate components of <i>Taenia crassiceps</i> metacestodes display Th2-adjuvant and anti-inflammatory properties when co-injected with bystander antigen. <i>Parasitology Research</i> , 2006, 99, 440-448.	1.6	42
22	Acute cysticercosis favours rapid and more severe lesions caused by <i>Leishmania major</i> and <i>Leishmania mexicana</i> infection, a role for alternatively activated macrophages. <i>Cellular Immunology</i> , 2006, 242, 61-71.	3.0	36
23	Non-optimal levels of dietary selenomethionine alter splenocyte response and modify oxidative stress markers in female mice. <i>Food and Chemical Toxicology</i> , 2007, 45, 1147-1153.	3.6	36
24	<i>Toxoplasma gondii</i> : Impaired maturation and pro-inflammatory response of dendritic cells in MIF-deficient mice favors susceptibility to infection. <i>Experimental Parasitology</i> , 2010, 126, 348-358.	1.2	35
25	Helminth Parasites Alter Protection against <i>Plasmodium</i> Infection. <i>BioMed Research International</i> , 2014, 2014, 1-19.	1.9	35
26	Relevance of Regulatory T Cells during Colorectal Cancer Development. <i>Cancers</i> , 2020, 12, 1888.	3.7	34
27	Benzo[a]pyrene activates an AhR/Src/ERK axis that contributes to CYP1A1 induction and stable DNA adducts formation in lung cells. <i>Toxicology Letters</i> , 2018, 289, 54-62.	0.8	32
28	Deletion of the Aryl Hydrocarbon Receptor Enhances the Inflammatory Response to <i>Leishmania major</i> Infection. <i>International Journal of Biological Sciences</i> , 2011, 7, 1220-1229.	6.4	31
29	Altered Macrophage and Dendritic Cell Response in <i>Mif</i> <sup>-/-</sup> Mice Reveals a Role of <i>Mif</i> for Inflammatory-Th1 Response in Type 1 Diabetes. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-19.	2.3	30
30	Macrophage Migration Inhibitory Factor -173 G/C Polymorphism: A Global Meta-Analysis across the Disease Spectrum. <i>Frontiers in Genetics</i> , 2018, 9, 55.	2.3	30
31	Early and Partial Reduction in CD4 <sup>+</sup> Foxp3 <sup>+</sup> Regulatory T Cells during Colitis-Associated Colon Cancer Induces CD4 <sup>+</sup> and CD8 <sup>+</sup> T Cell Activation Inhibiting Tumorigenesis. <i>Journal of Cancer</i> , 2018, 9, 239-249.	2.5	30
32	MIF Synergizes with <i>Trypanosoma cruzi</i> Antigens to Promote Efficient Dendritic Cell Maturation and IL-12 Production via p38 MAPK. <i>International Journal of Biological Sciences</i> , 2011, 7, 1298-1310.	6.4	28
33	Helminth-induced Ly6Chi monocyte-derived alternatively activated macrophages suppress experimental autoimmune encephalomyelitis. <i>Scientific Reports</i> , 2017, 7, 40814.	3.3	28
34	Susceptibility to <i>Leishmania mexicana</i> infection is due to the inability to produce IL-12 rather than lack of IL-12 responsiveness. <i>Immunology and Cell Biology</i> , 2001, 79, 320-322.	2.3	27
35	Effect of Selenomethionine Supplementation in Food on the Excretion and Toxicity of Arsenic Exposure in Female Mice. <i>Biological Trace Element Research</i> , 2013, 156, 279-287.	3.5	27
36	Helminth-derived molecules inhibit colitis-associated colon cancer development through NF- $\kappa$ B and STAT3 regulation. <i>International Journal of Cancer</i> , 2019, 145, 3126-3139.	5.1	27

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37	Altered T helper responses in CD40 and interleukin-12 deficient mice reveal a critical role for Th1 responses in eliminating the helminth parasite <i>Taenia crassiceps</i> . <i>International Journal for Parasitology</i> , 2003, 33, 703-711.	3.1	26
38	Extraintestinal Helminth Infection Reduces the Development of Colitis-Associated Tumorigenesis. <i>International Journal of Biological Sciences</i> , 2014, 10, 948-956.	6.4	25
39	Adoptive transfer of CD4 <sup>+</sup> Foxp3 <sup>+</sup> regulatory T cells to C57BL/6J mice during acute infection with <i>Toxoplasma gondii</i> down modulates the exacerbated Th1 immune response. <i>Microbes and Infection</i> , 2015, 17, 586-595.	1.9	24
40	Protective Effect of <i>Amphipterygium adstringens</i> Extract on Dextran Sulphate Sodium-Induced Ulcerative Colitis in Mice. <i>Mediators of Inflammation</i> , 2016, 2016, 1-12.	3.0	24
41	Interleukin-1 beta (IL-1 $\beta$ ) induces tumor necrosis factor alpha (TNF- $\alpha$ ) expression on mouse myeloid multipotent cell line 32D cl3 and inhibits their proliferation. <i>Cytokine</i> , 2004, 26, 66-72.	3.2	23
42	Autophagy Inhibition Induces the Secretion of Macrophage Migration Inhibitory Factor (MIF) with Autocrine and Paracrine Effects on the Promotion of Malignancy in Breast Cancer. <i>Biology</i> , 2020, 9, 20.	2.8	23
43	Use of STAT6 Phosphorylation Inhibitor and Trimethylglycine as New Adjuvant Therapies for 5-Fluorouracil in Colitis-Associated Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2130.	4.1	22
44	Deficiency in STAT1 Signaling Predisposes Gut Inflammation and Prompts Colorectal Cancer Development. <i>Cancers</i> , 2018, 10, 341.	3.7	21
45	CC chemokine receptor 1 enhances susceptibility to <i>Leishmania major</i> during early phase of infection. <i>Immunology and Cell Biology</i> , 2003, 81, 114-120.	2.3	20
46	<i>Taenia crassiceps</i> cysticercosis: A role for prostaglandin E2 in susceptibility. <i>Parasitology Research</i> , 1999, 85, 1025-1031.	1.6	19
47	MIF Promotes Classical Activation and Conversion of Inflammatory Ly6Chigh Monocytes into TipDCs during Murine Toxoplasmosis. <i>Mediators of Inflammation</i> , 2016, 2016, 1-18.	3.0	19
48	Vascular $\alpha$ 1D $\beta$ adrenoreceptors are overexpressed in aorta of the aryl hydrocarbon receptor null mouse: role of increased angiotensin II. <i>Autonomic and Autacoid Pharmacology</i> , 2008, 28, 61-67.	0.5	18
49	Anti-inflammatory and Antitumor Activity of a Triple Therapy for a Colitis-Related Colorectal Cancer. <i>Journal of Cancer</i> , 2016, 7, 1632-1644.	2.5	18
50	Macrophage Migration Inhibitory Factor Promotes the Interaction between the Tumor, Macrophages, and T Cells to Regulate the Progression of Chemically Induced Colitis-Associated Colorectal Cancer. <i>Mediators of Inflammation</i> , 2019, 2019, 1-16.	3.0	17
51	Mouse Macrophage Galactose-type Lectin (mMGL) is Critical for Host Resistance against <i>Trypanosoma cruzi</i> Infection. <i>International Journal of Biological Sciences</i> , 2014, 10, 909-920.	6.4	16
52	CpG-containing ODN has a limited role in the protection against <i>Toxoplasma gondii</i> . <i>Parasite Immunology</i> , 2004, 26, 67-73.	1.5	15
53	Food-grade titanium dioxide (E171) by solid or liquid matrix administration induces inflammation, germ cells sloughing in seminiferous tubules and blood-testis barrier disruption in mice. <i>Journal of Applied Toxicology</i> , 2019, 39, 1586-1605.	2.8	15
54	Autophagy inhibition in breast cancer cells induces ROS-mediated MIF expression and M1 macrophage polarization. <i>Cellular Signalling</i> , 2021, 86, 110075.	3.6	15

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55	Proinflammatory cytokine MIF plays a role in the pathogenesis of type-2 diabetes mellitus, but does not affect hepatic mitochondrial function. <i>Cytokine</i> , 2017, 99, 214-224.	3.2	11
56	Co-infection: the outcome of Plasmodium infection differs according to the time of pre-existing helminth infection. <i>Parasitology Research</i> , 2018, 117, 2767-2784.	1.6	11
57	Immune modulation by the macrophage migration inhibitory factor (MIF) family: D-dopachrome tautomerase (DDT) is not (always) a backup system. <i>Cytokine</i> , 2020, 133, 155121.	3.2	11
58	Consecutive Low Doses of Cyclosporine A Induce Pro-Inflammatory Cytokines and Accelerate Allograft Skin Rejection. <i>Molecules</i> , 2011, 16, 3969-3984.	3.8	10
59	MGL1 Receptor Plays a Key Role in the Control of T. cruzi Infection by Increasing Macrophage Activation through Modulation of ERK1/2, c-Jun, NF- $\kappa$ B and NLRP3 Pathways. <i>Cells</i> , 2020, 9, 108.	4.1	9
60	Type 2 diabetes mellitus BALB/c mice are more susceptible to granulomatous amoebic encephalitis: Immunohistochemical study. <i>Experimental Parasitology</i> , 2017, 183, 150-159.	1.2	8
61	Changes in the transcriptome profile of breast cancer cells grown as spheroids. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 1258-1264.	2.1	8
62	Increased heart fibrosis and acute infection in a murine Chagas disease model associated with organophosphorus pesticide metabolite exposure. <i>Scientific Reports</i> , 2019, 9, 17539.	3.3	8
63	Taenia crassiceps Infection Does Not Influence the Development of Experimental Rheumatoid Arthritis. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	7
64	Influence of Gestational Hormones on the Bacteria-Induced Cytokine Response in Periodontitis. <i>Mediators of Inflammation</i> , 2021, 2021, 1-12.	3.0	5
65	Characterisation of Macrophage Polarisation in Mice Infected with Ninoa Strain of Trypanosoma cruzi. <i>Pathogens</i> , 2021, 10, 1444.	2.8	5
66	IN VIVO AND IN VITRO ANTILEISHMANIAL EFFECTS OF METHANOLIC EXTRACT FROM BARK OF BURSERA APTERA. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017, 14, 188-197.	0.3	4
67	Levocetirizine Inhibits Migration of Immune Cells to Lymph Nodes and Induces Treg Cells in a Murine Type I Allergic Conjunctivitis Model. <i>Open Ophthalmology Journal</i> , 2012, 6, 129-136.	0.2	3
68	Anti-Diabetic Effects of Cucurbitacins from Ibervillea lindheimeri on Induced Mouse Diabetes. <i>Journal of Chemistry</i> , 2022, 2022, 1-15.	1.9	3
69	MIF in Parasitic and Helminthic Infections. , 2007, , 133-151.		2
70	Immunology and Cell Biology of Parasitic Diseases 2013. <i>BioMed Research International</i> , 2013, 2013, 1-4.	1.9	2
71	Recruitment of M1 Macrophages May Not Be Critical for Protection against Colitis-Associated Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11204.	4.1	2
72	Innate and Cellular Immunology in Parasitic Diseases. <i>International Journal of Biological Sciences</i> , 2011, 7, 1216-1219.	6.4	1

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73	Immunology and Cell Biology of Parasitic Diseases 2014. BioMed Research International, 2015, 2015, 1-3.	1.9	0
74	Macrophage migration inhibitory factor (MIF): Its role in the genesis and progression of colorectal cancer. , 2021, , 173-193.		0
75	Extraintestinal helminth infection reduces the development of colitis-associated colorectal cancer (LB518). FASEB Journal, 2014, 28, LB518.	0.5	0
76	Macrophage migration inhibitory factor has a role controlling colorectal cancer (LB491). FASEB Journal, 2014, 28, LB491.	0.5	0