

David M Mosser

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120
papers

20,659
citations

50
h-index

135
g-index

135
ext. papers

23,684
ext. citations

7.4
avg, IF

7.23
L-index

#	Paper	IF	Citations
120	Exploring the full spectrum of macrophage activation. <i>Nature Reviews Immunology</i> , 2008 , 8, 958-69	36.5	5854
119	Macrophage activation and polarization: nomenclature and experimental guidelines. <i>Immunity</i> , 2014 , 41, 14-20	32.3	3249
118	The many faces of macrophage activation. <i>Journal of Leukocyte Biology</i> , 2003 , 73, 209-12	6.5	1348
117	The isolation and characterization of murine macrophages. <i>Current Protocols in Immunology</i> , 2008 , Chapter 14, Unit 14.1	4	855
116	FcγRI (CD64) contributes substantially to severity of arthritis, hypersensitivity responses, and protection from bacterial infection. <i>Immunity</i> , 2002 , 16, 391-402	32.3	775
115	Interleukin-10: new perspectives on an old cytokine. <i>Immunological Reviews</i> , 2008 , 226, 205-18	11.3	751
114	Biochemical and functional characterization of three activated macrophage populations. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 1298-307	6.5	590
113	The role of IL-10 in promoting disease progression in leishmaniasis. <i>Journal of Immunology</i> , 2001 , 166, 1141-7	5.3	381
112	Selective suppression of interleukin-12 induction after macrophage receptor ligation. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1977-85	16.6	291
111	Intrinsic antibody-dependent enhancement of microbial infection in macrophages: disease regulation by immune complexes. <i>Lancet Infectious Diseases</i> , 2010 , 10, 712-22	25.5	284
110	NF-κB1 (p50) homodimers differentially regulate pro- and anti-inflammatory cytokines in macrophages. <i>Journal of Biological Chemistry</i> , 2006 , 281, 26041-50	5.4	273
109	Reversal of proinflammatory responses by ligating the macrophage Fcγ receptor type I. <i>Journal of Experimental Medicine</i> , 1998 , 188, 217-22	16.6	267
108	Monocyte subpopulations and their differentiation patterns during infection. <i>Journal of Leukocyte Biology</i> , 2007 , 82, 244-52	6.5	237
107	Reversing lipopolysaccharide toxicity by ligating the macrophage Fcγ receptors. <i>Journal of Immunology</i> , 2001 , 166, 6861-8	5.3	221
106	A role for IgG immune complexes during infection with the intracellular pathogen <i>Leishmania</i> . <i>Journal of Experimental Medicine</i> , 2005 , 201, 747-54	16.6	202
105	A novel phenotype for an activated macrophage: the type 2 activated macrophage. <i>Journal of Leukocyte Biology</i> , 2002 , 72, 101-6	6.5	175
104	ERK activation following macrophage FcγRI ligation leads to chromatin modifications at the IL-10 locus. <i>Journal of Immunology</i> , 2005 , 175, 469-77	5.3	173

103	The third component of complement (C3) is responsible for the intracellular survival of <i>Leishmania major</i> . <i>Nature</i> , 1987 , 327, 329-31	50.4	163
102	Macrophages and the Recovery from Acute and Chronic Inflammation. <i>Annual Review of Physiology</i> , 2017 , 79, 567-592	23.1	162
101	Production of a hemolytic factor by <i>Candida albicans</i> . <i>Infection and Immunity</i> , 1994 , 62, 5154-6	3.7	157
100	Role of the 85-kilobase plasmid and plasmid-encoded virulence-associated protein A in intracellular survival and virulence of <i>Rhodococcus equi</i> . <i>Infection and Immunity</i> , 1999 , 67, 3548-57	3.7	155
99	Regulatory macrophages: setting the threshold for therapy. <i>European Journal of Immunology</i> , 2011 , 41, 2498-502	6.1	151
98	Cutting edge: biasing immune responses by directing antigen to macrophage Fc gamma receptors. <i>Journal of Immunology</i> , 2002 , 168, 3697-701	5.3	150
97	Survival and replication of <i>Rhodococcus equi</i> in macrophages. <i>Infection and Immunity</i> , 1994 , 62, 4167-75	3.7	139
96	Activation of murine macrophages. <i>Current Protocols in Immunology</i> , 2008 , Chapter 14, Unit 14.2	4	126
95	Pattern recognition receptors in innate immunity, host defense, and immunopathology. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2013 , 37, 284-91	1.9	117
94	Cooperation between reactive oxygen and nitrogen intermediates in killing of <i>Rhodococcus equi</i> by activated macrophages. <i>Infection and Immunity</i> , 2000 , 68, 3587-93	3.7	114
93	Dynamic and transient remodeling of the macrophage IL-10 promoter during transcription. <i>Journal of Immunology</i> , 2006 , 177, 1282-8	5.3	105
92	Activation of the MAPK, ERK, following <i>Leishmania amazonensis</i> infection of macrophages. <i>Journal of Immunology</i> , 2007 , 178, 1077-85	5.3	97
91	TLR stimulation initiates a CD39-based autoregulatory mechanism that limits macrophage inflammatory responses. <i>Blood</i> , 2013 , 122, 1935-45	2.2	94
90	A heparin-binding activity on <i>Leishmania amastigotes</i> which mediates adhesion to cellular proteoglycans. <i>Journal of Cell Biology</i> , 1993 , 123, 759-66	7.3	94
89	Platelet activation attracts a subpopulation of effector monocytes to sites of <i>Leishmania major</i> infection. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1253-65	16.6	92
88	<i>Leishmania</i> promastigotes require opsonic complement to bind to the human leukocyte integrin Mac-1 (CD11b/CD18). <i>Journal of Cell Biology</i> , 1992 , 116, 511-20	7.3	84
87	Suppression of IL-12 transcription in macrophages following Fc gamma receptor ligation. <i>Journal of Immunology</i> , 2001 , 166, 4498-506	5.3	83
86	<i>Leishmania</i> parasites and their ploys to disrupt macrophage activation. <i>Current Opinion in Hematology</i> , 2000 , 7, 26-31	3.3	80

85	Interaction of Leishmania gp63 with cellular receptors for fibronectin. <i>Infection and Immunity</i> , 1999 , 67, 4477-84	3.7	78
84	Extrinsic and intrinsic control of macrophage inflammatory responses. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 913-9	6.5	75
83	The influence of IgG density and macrophage Fc (gamma) receptor cross-linking on phagocytosis and IL-10 production. <i>Immunology Letters</i> , 2010 , 133, 70-7	4.1	73
82	A role for complement receptor-like molecules in iron acquisition by <i>Candida albicans</i> . <i>Journal of Experimental Medicine</i> , 1992 , 175, 1643-51	16.6	71
81	Stimulatory and inhibitory signals originating from the macrophage Fc gamma receptors. <i>Microbes and Infection</i> , 2001 , 3, 131-9	9.3	69
80	The neonatal FcR-mediated presentation of immune-complexed antigen is associated with endosomal and phagosomal pH and antigen stability in macrophages and dendritic cells. <i>Journal of Immunology</i> , 2011 , 186, 4674-86	5.3	62
79	Leishmania major-human macrophage interactions: cooperation between Mac-1 (CD11b/CD18) and complement receptor type 1 (CD35) in promastigote adhesion. <i>Infection and Immunity</i> , 1996 , 64, 2206-13	3.7	62
78	The Isolation and Characterization of Murine Macrophages. <i>Current Protocols in Immunology</i> , 2015 , 111, 14.1.1	4	61
77	The expression of exogenous genes in macrophages: obstacles and opportunities. <i>Methods in Molecular Biology</i> , 2009 , 531, 123-43	1.4	61
76	Dual Transcriptome Profiling of Leishmania-Infected Human Macrophages Reveals Distinct Reprogramming Signatures. <i>MBio</i> , 2016 , 7,	7.8	59
75	Leishmania promastigotes are recognized by the macrophage receptor for advanced glycosylation endproducts. <i>Journal of Experimental Medicine</i> , 1987 , 165, 140-5	16.6	57
74	Transcriptomic profiling of gene expression and RNA processing during Leishmania major differentiation. <i>Nucleic Acids Research</i> , 2015 , 43, 6799-813	20.1	55
73	Simultaneous transcriptional profiling of Leishmania major and its murine macrophage host cell reveals insights into host-pathogen interactions. <i>BMC Genomics</i> , 2015 , 16, 1108	4.5	53
72	Receptor mediated subversion of macrophage cytokine production by intracellular pathogens. <i>Current Opinion in Immunology</i> , 1999 , 11, 406-11	7.8	51
71	Leishmania-macrophage interactions: multiple receptors, multiple ligands and diverse cellular responses. <i>Seminars in Cell Biology</i> , 1993 , 4, 315-22		51
70	Immunological characterization of eristostatin and echistatin binding sites on alpha IIb beta 3 and alpha V beta 3 integrins. <i>Biochemical Journal</i> , 1996 , 317 (Pt 3), 817-25	3.8	50
69	Neutrophils have a protective role during early stages of Leishmania amazonensis infection in BALB/c mice. <i>Parasite Immunology</i> , 2014 , 36, 13-31	2.2	47
68	Intermediate monocytes contribute to pathologic immune response in Leishmania braziliensis infections. <i>Journal of Infectious Diseases</i> , 2015 , 211, 274-82	7	46

67	TLRs, macrophages, and NK cells: our understandings of their functions in uterus and ovary. <i>International Immunopharmacology</i> , 2011 , 11, 1442-50	5.8	45
66	Macrophages and the maintenance of homeostasis. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 579-587	5.4	45
65	Cooperation between CR1 (CD35) and CR3 (CD 11b/CD18) in the binding of complement-opsonized particles. <i>Journal of Leukocyte Biology</i> , 1996 , 59, 883-90	6.5	44
64	Meta-transcriptome Profiling of the Human-Leishmania braziliensis Cutaneous Lesion. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004992	4.8	44
63	A model for using a concept inventory as a tool for students' assessment and faculty professional development. <i>CBE Life Sciences Education</i> , 2010 , 9, 408-16	3.4	43
62	Complement-mediated bystander damage initiates host NLRP3 inflammasome activation. <i>Journal of Cell Science</i> , 2016 , 129, 1928-39	5.3	42
61	T cell biasing by activated dendritic cells. <i>Journal of Immunology</i> , 2004 , 173, 955-61	5.3	42
60	Innate immune responses to <i>Rhodococcus equi</i> . <i>Journal of Immunology</i> , 2004 , 173, 1914-24	5.3	42
59	<i>Leishmania</i> species: mechanisms of complement activation by five strains of promastigotes. <i>Experimental Parasitology</i> , 1986 , 62, 394-404	2.1	42
58	The expression of heparin-binding epidermal growth factor-like growth factor by regulatory macrophages. <i>Journal of Immunology</i> , 2009 , 182, 1929-39	5.3	40
57	Assessing student understanding of host pathogen interactions using a concept inventory. <i>Journal of Microbiology and Biology Education</i> , 2009 , 10, 43-50	1.3	40
56	High-molecular-weight proteins of nontypeable <i>Haemophilus influenzae</i> mediate bacterial adhesion to cellular proteoglycans. <i>Infection and Immunity</i> , 1994 , 62, 4028-33	3.7	40
55	The regulation of Th1 responses by the p38 MAPK. <i>Journal of Immunology</i> , 2010 , 185, 6205-13	5.3	38
54	Peroxisome proliferator-activated receptor-gamma regulates the expression of alveolar macrophage colony-stimulating factor. <i>Journal of Immunology</i> , 2008 , 181, 235-42	5.3	38
53	<i>Leishmania amazonensis</i> : the phagocytosis of amastigotes by macrophages. <i>Experimental Parasitology</i> , 1998 , 88, 161-71	2.1	36
52	<i>Leishmania</i> -derived murine monocyte chemoattractant protein 1 enhances the recruitment of a restrictive population of CC chemokine receptor 2-positive macrophages. <i>Infection and Immunity</i> , 2007 , 75, 653-65	3.7	35
51	<i>Rhodococcus equi</i> : an emerging opportunistic pathogen. <i>Trends in Microbiology</i> , 1996 , 4, 29-33	12.4	35
50	A faculty team works to create content linkages among various courses to increase meaningful learning of targeted concepts of microbiology. <i>CBE Life Sciences Education</i> , 2007 , 6, 155-62	3.4	34

49	Treatment of murine macrophages with interferon-gamma inhibits their ability to bind leishmania promastigotes. <i>Journal of Leukocyte Biology</i> , 1992 , 52, 369-76	6.5	34
48	Modulating macrophage function with IgG immune complexes. <i>Journal of Endotoxin Research</i> , 2002 , 8, 477-81		34
47	Host and parasite responses in human diffuse cutaneous leishmaniasis caused by <i>L. amazonensis</i> . <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007152	4.8	33
46	The generation of macrophages with anti-inflammatory activity in the absence of STAT6 signaling. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 395-407	6.5	33
45	Cleaved high molecular weight kininogen binds directly to the integrin CD11b/CD18 (Mac-1) and blocks adhesion to fibrinogen and ICAM-1. <i>Blood</i> , 2000 , 95, 3788-3795	2.2	32
44	The taming of IL-12: suppressing the production of proinflammatory cytokines. <i>Journal of Leukocyte Biology</i> , 1999 , 65, 543-551	6.5	32
43	Platelet factor 4 efficiently reverses heparin anticoagulation in the rat without adverse effects of heparin-protamine complexes. <i>Circulation</i> , 1992 , 85, 1102-9	16.7	31
42	High-molecular-weight surface-exposed proteins of <i>Haemophilus influenzae</i> mediate binding to macrophages. <i>Journal of Infectious Diseases</i> , 1994 , 169, 425-9	7	30
41	<i>Trypanosoma brucei</i> : recognition in vitro of two developmental forms by murine macrophages. <i>Experimental Parasitology</i> , 1982 , 54, 310-6	2.1	29
40	Purinergic Signaling to Terminate TLR Responses in Macrophages. <i>Frontiers in Immunology</i> , 2016 , 7, 74	8.4	28
39	Matrix metalloproteinase 9 production by monocytes is enhanced by TNF and participates in the pathology of human cutaneous Leishmaniasis. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e3282	4.8	25
38	IFN- γ Prevents Adenosine Receptor (A2bR) Upregulation To Sustain the Macrophage Activation Response. <i>Journal of Immunology</i> , 2015 , 195, 3828-37	5.3	23
37	Measuring opsonic phagocytosis via Fc γ receptors and complement receptors on macrophages. <i>Current Protocols in Immunology</i> , 2011 , Chapter 14, Unit 14.27	4	23
36	Role of complement in mouse macrophage binding of <i>Haemophilus influenzae</i> type b. <i>Journal of Clinical Investigation</i> , 1990 , 85, 208-18	15.9	21
35	Vaccination against the intracellular pathogens <i>Leishmania major</i> and <i>L. amazonensis</i> by directing CD40 ligand to macrophages. <i>Infection and Immunity</i> , 2001 , 69, 3255-63	3.7	19
34	Regulatory Macrophages Inhibit Alternative Macrophage Activation and Attenuate Pathology Associated with Fibrosis. <i>Journal of Immunology</i> , 2019 , 203, 2130-2140	5.3	18
33	Macrophage polarization in intestinal inflammation and gut homeostasis. <i>Inflammation Research</i> , 2020 , 69, 1163-1172	7.2	18
32	Upregulated IL-1 β in dysferlin-deficient muscle attenuates regeneration by blunting the response to pro-inflammatory macrophages. <i>Skeletal Muscle</i> , 2015 , 5, 24	5.1	17

31	Functional characterization of bovine TIRAP and MyD88 in mediating bacterial lipopolysaccharide-induced endothelial NF-kappaB activation and apoptosis. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2009 , 32, 477-90	2.6	17
30	OPN-a induces muscle inflammation by increasing recruitment and activation of pro-inflammatory macrophages. <i>Experimental Physiology</i> , 2016 , 101, 1285-1300	2.4	17
29	Mercury enhances susceptibility to murine leishmaniasis. <i>Parasite Immunology</i> , 2001 , 23, 633-40	2.2	16
28	A sensitive flow cytometric methodology for studying the binding of <i>L. chagasi</i> to canine peritoneal macrophages. <i>BMC Infectious Diseases</i> , 2005 , 5, 39	4	14
27	Cardiac macrophages: how to mend a broken heart. <i>Immunity</i> , 2014 , 40, 3-5	32.3	13
26	Cleaved high molecular weight kininogen binds directly to the integrin CD11b/CD18 (Mac-1) and blocks adhesion to fibrinogen and ICAM-1. <i>Blood</i> , 2000 , 95, 3788-3795	2.2	12
25	Reduced pathology following infection with transgenic <i>Leishmania major</i> expressing murine CD40 ligand. <i>Infection and Immunity</i> , 2007 , 75, 3140-9	3.7	11
24	Pro-inflammatory cytokine Interleukin-1[IL-1]controls <i>Leishmania</i> infection. <i>Cytokine</i> , 2018 , 112, 27-31	4	9
23	The modulation of macrophage activation by tyrosine phosphorylation. <i>Frontiers in Bioscience - Landmark</i> , 2002 , 7, d1494-502	2.8	9
22	IL-18 contributes to susceptibility to <i>Leishmania amazonensis</i> infection by macrophage-independent mechanisms. <i>Cytokine</i> , 2015 , 74, 327-30	4	8
21	An assay to quantitate the binding of <i>Rhodococcus equi</i> to macrophages. <i>Veterinary Immunology and Immunopathology</i> , 1992 , 32, 339-50	2	8
20	Immune Complex-Driven Generation of Human Macrophages with Anti-Inflammatory and Growth-Promoting Activity. <i>Journal of Immunology</i> , 2020 , 205, 102-112	5.3	7
19	Activation of Murine Macrophages. <i>Current Protocols in Immunology</i> , 2015 , 111, 14.2.1	4	7
18	Using a Concept Inventory to Reveal Student Thinking Associated with Common Misconceptions about Antibiotic Resistance. <i>Journal of Microbiology and Biology Education</i> , 2017 , 18,	1.3	6
17	An assay to quantitate the binding of <i>Leishmania</i> amastigotes to macrophages. <i>Journal of Immunological Methods</i> , 1990 , 130, 235-42	2.5	6
16	PD-1 Blockade Modulates Functional Activities of Exhausted-Like T Cell in Patients With Cutaneous Leishmaniasis. <i>Frontiers in Immunology</i> , 2021 , 12, 632667	8.4	6
15	Humoral immunity in leishmaniasis - Prevention or promotion of parasite growth?. <i>Cytokine: X</i> , 2020 , 2, 100046	5	5
14	Kinetics of an experimental inflammatory reaction induced by <i>Leishmania major</i> during the implantation of paraffin tablets in mice. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2000 , 437, 429-35	5.1	3

13	Cloning and characterization of the ribosomal l11 gene from Leishmania spp. <i>Molecular and Biochemical Parasitology</i> , 1995 , 71, 261-4	1.9	2
12	The transition of M-CSF-derived human macrophages to a growth-promoting phenotype. <i>Blood Advances</i> , 2020 , 4, 5460-5472	7.8	2
11	Transcriptomic landscape of skin lesions in cutaneous leishmaniasis reveals a strong CD8 T cell immunosenescence signature linked to immunopathology. <i>Immunology</i> , 2021 , 164, 754-765	7.8	2
10	Immunohistochemical study of renal fibropoiesis associated with dogs naturally and experimentally infected with two different strains of Leishmania (L.) infantum. <i>International Journal of Experimental Pathology</i> , 2019 , 100, 222-233	2.8	1
9	Regulatory Macrophages and the Maintenance of Homeostasis 2014 , 77-87		1
8	Murine immune response induced by Leishmania major during the implantation of paraffin tablets. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2010 , 457, 609-18	5.1	1
7	Mechanisms of microbial entry and endocytosis by mononuclear phagocytes. <i>Contemporary Topics in Immunobiology</i> , 1984 , 13, 71-96		1
6	High-Density-Immune-Complex Regulatory Macrophages Promote Recovery of Experimental Colitis in Mice. <i>Inflammation</i> , 2021 , 44, 1069-1082	5.1	1
5	Rhodococcus equi: Pathogenesis and Replication in Macrophages. <i>Infectious Agents and Pathogenesis</i> , 2002 , 185-200		
4	The Interaction of Leishmania SPP. With Phagocytic Receptors on Macrophages: The Role of Serum Opsonins. <i>World Class Parasites</i> , 2002 , 89-103		
3	Characterization of breast tumor metabolites re-editing macrophage function. <i>FASEB Journal</i> , 2008 , 22, 1076.22	0.9	
2	The Functional Heterogeneity of Activated Macrophages 325-340		
1	Monocyte subpopulations as important biomarkers of resistance and susceptibility during experimental infection with Leishmania (Leishmania) major. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 107, 1530-1539	7.5	