

John D Macmicking

List of Publications by Year in descending order

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45
papers

16,557
citations

126907

33
h-index

243625

44
g-index

47
all docs

47
docs citations

47
times ranked

25993
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	NITRIC OXIDE AND MACROPHAGE FUNCTION. <i>Annual Review of Immunology</i> , 1997, 15, 323-350.	21.8	3,707
3	Altered responses to bacterial infection and endotoxic shock in mice lacking inducible nitric oxide synthase. <i>Cell</i> , 1995, 81, 641-650.	28.9	1,424
4	Immune Control of Tuberculosis by IFN- γ -Inducible LRG-47. <i>Science</i> , 2003, 302, 654-659.	12.6	629
5	Phenotype of Mice and Macrophages Deficient in Both Phagocyte Oxidase and Inducible Nitric Oxide Synthase. <i>Immunity</i> , 1999, 10, 29-38.	14.3	472
6	Interferon-inducible effector mechanisms in cell-autonomous immunity. <i>Nature Reviews Immunology</i> , 2012, 12, 367-382.	22.7	461
7	Essential Role of Induced Nitric Oxide in the Initiation of the Inflammatory Response after Hemorrhagic Shock. <i>Journal of Experimental Medicine</i> , 1998, 187, 917-928.	8.5	457
8	A Family of IFN- γ -Inducible 65-kD GTPases Protects Against Bacterial Infection. <i>Science</i> , 2011, 332, 717-721.	12.6	419
9	GBP5 Promotes NLRP3 Inflammasome Assembly and Immunity in Mammals. <i>Science</i> , 2012, 336, 481-485.	12.6	409
10	Type 1 Interferon (IFN- α / β) and Type 2 Nitric Oxide Synthase Regulate the Innate Immune Response to a Protozoan Parasite. <i>Immunity</i> , 1998, 8, 77-87.	14.3	354
11	Role of KatG catalase-peroxidase in mycobacterial pathogenesis: countering the phagocyte oxidative burst. <i>Molecular Microbiology</i> , 2004, 52, 1291-1302.	2.5	281
12	IFN-Inducible GTPases in Host Cell Defense. <i>Cell Host and Microbe</i> , 2012, 12, 432-444.	11.0	259
13	Regulation of Peripheral Lymph Node Genesis by the Tumor Necrosis Factor Family Member Trance. <i>Journal of Experimental Medicine</i> , 2000, 192, 1467-1478.	8.5	249
14	Cellular Self-Defense: How Cell-Autonomous Immunity Protects Against Pathogens. <i>Science</i> , 2013, 340, 701-706.	12.6	231
15	IFN-inducible GTPases and immunity to intracellular pathogens. <i>Trends in Immunology</i> , 2004, 25, 601-609.	6.8	209
16	Rapid Interferon γ -dependent Clearance of Influenza A Virus and Protection from Consolidating Pneumonitis in Nitric Oxide Synthase 2-deficient Mice. <i>Journal of Experimental Medicine</i> , 1998, 188, 1541-1546.	8.5	185
17	Interferon-induced guanylate-binding proteins: Guardians of host defense in health and disease. <i>Journal of Experimental Medicine</i> , 2019, 216, 482-500.	8.5	184
18	Guanylate-binding proteins convert cytosolic bacteria into caspase-4 signaling platforms. <i>Nature Immunology</i> , 2020, 21, 880-891.	14.5	182

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19	Guanylate-binding Protein 1 (Gbp1) Contributes to Cell-autonomous Immunity against <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003320.	4.7	170
20	Identification of QS-21 as an Inflammasome-activating Molecular Component of Saponin Adjuvants. <i>Journal of Biological Chemistry</i> , 2016, 291, 1123-1136.	3.4	149
21	IFN- γ Elicits Macrophage Autophagy via the p38 MAPK Signaling Pathway. <i>Journal of Immunology</i> , 2012, 189, 813-818.	0.8	148
22	A Role for Lipid Bodies in the Cross-presentation of Phagocytosed Antigens by MHC Class I in Dendritic Cells. <i>Immunity</i> , 2009, 31, 232-244.	14.3	146
23	Interferon-induced guanylate-binding proteins in inflammasome activation and host defense. <i>Nature Immunology</i> , 2016, 17, 481-489.	14.5	125
24	Macrophage migration inhibitory factor (MIF) is a critical mediator of the innate immune response to <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2997-3006.	7.1	120
25	Targeting of the GTPase Irgm1 to the phagosomal membrane via PtdIns(3,4)P2 and PtdIns(3,4,5)P3 promotes immunity to mycobacteria. <i>Nature Immunology</i> , 2009, 10, 907-917.	14.5	107
26	Immune control of phagosomal bacteria by p47 GTPases. <i>Current Opinion in Microbiology</i> , 2005, 8, 74-82.	5.1	86
27	Interferon Regulatory Factor 8 Regulates Pathways for Antigen Presentation in Myeloid Cells and during Tuberculosis. <i>PLoS Genetics</i> , 2011, 7, e1002097.	3.5	85
28	Emerging themes in IFN- γ -induced macrophage immunity by the p47 and p65 GTPase families. <i>Immunobiology</i> , 2008, 212, 771-784.	1.9	81
29	A phase-separated nuclear GBPL circuit controls immunity in plants. <i>Nature</i> , 2021, 594, 424-429.	27.8	79
30	Increasing the resilience of plant immunity to a warming climate. <i>Nature</i> , 2022, 607, 339-344.	27.8	72
31	Irf8-Regulated Genomic Responses Drive Pathological Inflammation during Cerebral Malaria. <i>PLoS Pathogens</i> , 2013, 9, e1003491.	4.7	63
32	Identification of Nitric Oxide Synthase 2 as an Innate Resistance Locus against Ectromelia Virus Infection. <i>Journal of Virology</i> , 1998, 72, 7703-7706.	3.4	59
33	A human apolipoprotein L with detergent-like activity kills intracellular pathogens. <i>Science</i> , 2021, 373, .	12.6	50
34	Cell-Autonomous Effector Mechanisms against <i>Mycobacterium tuberculosis</i> . <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a018507-a018507.	6.2	32
35	NADPH Oxidase and Guanylate Binding Protein 5 Restrict Survival of Avirulent Type III Strains of <i>Toxoplasma gondii</i> in Naive Macrophages. <i>MBio</i> , 2018, 9, .	4.1	31
36	Cell-autonomous immunity by IFN-induced GBPs in animals and plants. <i>Current Opinion in Immunology</i> , 2019, 60, 71-80.	5.5	31

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37	E3 Ubiquitin ligase ZNRF4 negatively regulates NOD2 signalling and induces tolerance to MDP. Nature Communications, 2017, 8, 15865.	12.8	26
38	Evolution of Cell-Autonomous Effector Mechanisms in Macrophages versus Non-Immune Cells. Microbiology Spectrum, 2016, 4, .	3.0	21
39	Recognizing Macrophage Activation and Host Defense. Cell Host and Microbe, 2009, 5, 405-407.	11.0	18
40	The cellular endosomal protein stannin inhibits intracellular trafficking of human papillomavirus during virus entry. Journal of General Virology, 2017, 98, 2821-2836.	2.9	11
41	Crossing the Rubicon: New Roads Lead to Host Defense. Cell Host and Microbe, 2012, 11, 221-223.	11.0	6
42	Bacteria disarm host-defence proteins. Nature, 2017, 551, 303-304.	27.8	5
43	M. tuberculosis passes the litmus test. Nature Medicine, 2008, 14, 809-810.	30.7	4
44	Bacterial Phagosome Acidification Within IFN- γ -Activated Macrophages: Role of Host p47	0.9	3
45	Evolution of Cell-Autonomous Effector Mechanisms in Macrophages versus Non-Immune Cells. , 2017, , 615-635.		0