Masahiro Yamamoto

List of Publications by Year
in descending order

76	11,441	66315 42	76872 74
papers	citations	h-index	g-index

83	83	83	14493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. Science, 2003, 301, 640-643.	6.0	2,808
2	TRAM is specifically involved in the Toll-like receptor 4â€“mediated MyD88-independent signaling pathway. Nature Immunology, 2003, 4, 1144-1150.	7.0	919
3	Interferon-Î± induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. Nature Immunology, 2004, 5, 1061-1068.	7.0	894
4	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein IÎºBÎ¶. Nature, 2004, 430, 218-222.	13.7	445
5	Caspase-11 activation requires lysis of pathogen-containing vacuoles by IFN-induced GTPases. Nature, 2014, 509, 366-370.	13.7	416
6	A Cluster of Interferon-Î³-Inducible p65 GTPases Plays a Critical Role in Host Defense against Toxoplasma gondii. Immunity, 2012, 37, 302-313.	6.6	311
7	Guanylate-binding proteins promote activation of the AIM2 inflammasome during infection with Francisella novicida. Nature Immunology, 2015, 16, 476-484.	7.0	291
8	The transcription factor IRF1 and guanylate-binding proteins target activation of the AIM2 inflammasome by Francisella infection. Nature Immunology, 2015, 16, 467-475.	7.0	291
9	Guanylate binding proteins promote caspase-11â€“dependent pyroptosis in response to cytoplasmic LPS. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6046-6051.	3.3	289
10	Key function for the Ubc13 E2 ubiquitin-conjugating enzyme in immune receptor signaling. Nature Immunology, 2006, 7, 962-970.	7.0	249
11	The myristoylation of TRIF-related adaptor molecule is essential for Toll-like receptor 4 signal transduction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6299-6304.	3.3	238
12	IRGB10 Liberates Bacterial Ligands for Sensing by the AIM2 and Caspase-11-NLRP3 Inflammasomes. Cell, 2016, 167, 382-396.e17.	13.5	237
13	A single polymorphic amino acid on Toxoplasma gondii kinase ROP16 determines the direct and strain-specific activation of Stat3. Journal of Experimental Medicine, 2009, 206, 2747-2760.	4.2	215
14	An infectivity-enhancing site on the SARS-CoV-2 spike protein targeted by antibodies. Cell, 2021, 184, 3452-3466.e18.	13.5	205
15	Current Views of Toll-Like Receptor Signaling Pathways. Gastroenterology Research and Practice, 2010, 2010, 1-8.	0.7	184
16	<scp>LPS</scp> targets host guanylateâ€binding proteins to the bacterial outer membrane for nonâ€canonical inflammasome activation. EMBO Journal, 2018, 37, .	3.5	184
17	The Nuclear IÎºB Protein IÎºBNS Selectively Inhibits Lipopolysaccharide-Induced IL-6 Production in Macrophages of the Colonic Lamina Propria. Journal of Immunology, 2005, 174, 3650-3657.	0.4	172
18	Human <scp>GBP</scp> 1 is a microbeâ€specific gatekeeper of macrophage apoptosis and pyroptosis. EMBO Journal, 2019, 38, e100926.	3.5	170

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19	Lypd8 promotes the segregation of flagellated microbiota and colonic epithelia. Nature, 2016, 532, 117-121.	13.7	167
20	Host immune responses toToxoplasma gondii. International Immunology, 2018, 30, 113-119.	1.8	158
21	Pathogen Recognition Receptors: Ligands and Signaling Pathways by Toll-Like Receptors. International Reviews of Immunology, 2013, 32, 116-133.	1.5	156
22	ATF6Î² is a host cellular target of the Toxoplasma gondii virulence factor ROP18. Journal of Experimental Medicine, 2011, 208, 1533-1546.	4.2	133
23	Guanylate Binding Proteins Enable Rapid Activation of Canonical and Noncanonical Inflammasomes in Chlamydia-Infected Macrophages. Infection and Immunity, 2015, 83, 4740-4749.	1.0	126
24	Selective and strain-specific NFAT4 activation by the Toxoplasma gondii polymorphic dense granule protein GRA6. Journal of Experimental Medicine, 2014, 211, 2013-2032.	4.2	125
25	Inflammasome Activation by Bacterial Outer Membrane Vesicles Requires Guanylate Binding Proteins. MBio, 2017, 8, .	1.8	122
26	Role of Mouse and Human Autophagy Proteins in IFN-Î³â€“Induced Cell-Autonomous Responses against Toxoplasma gondii. Journal of Immunology, 2014, 192, 3328-3335.	0.4	120
27	Fundamental Roles of the Golgi-Associated Toxoplasma Aspartyl Protease, ASP5, at the Host-Parasite Interface. PLoS Pathogens, 2015, 11, e1005211.	2.1	108
28	Ifit1 Inhibits Japanese Encephalitis Virus Replication through Binding to 5â€² Capped 2â€²-O Unmethylated RNA. Journal of Virology, 2013, 87, 9997-10003.	1.5	106
29	Class-specific Regulation of Pro-inflammatory Genes by MyD88 Pathways and IÎºBÎ¶. Journal of Biological Chemistry, 2008, 283, 12468-12477.	1.6	96
30	Subversion of host cellular functions by the apicomplexan parasites. FEMS Microbiology Reviews, 2013, 37, 607-631.	3.9	92
31	The E2-Like Conjugation Enzyme Atg3 Promotes Binding of IRG and Gbp Proteins to Chlamydia- and Toxoplasma-Containing Vacuoles and Host Resistance. PLoS ONE, 2014, 9, e86684.	1.1	90
32	Viral Replication Complexes Are Targeted by LC3-Guided Interferon-Inducible GTPases. Cell Host and Microbe, 2017, 22, 74-85.e7.	5.1	90
33	Essential role for GABARAP autophagy proteins in interferon-inducible GTPase-mediated host defense. Nature Immunology, 2017, 18, 899-910.	7.0	85
34	Constitutive Interferon Maintains GBP Expression Required for Release of Bacterial Components Upstream of Pyroptosis and Anti-DNA Responses. Cell Reports, 2018, 24, 155-168.e5.	2.9	77
35	p62 Plays a Specific Role in Interferon-Î³-Induced Presentation of a Toxoplasma Vacuolar Antigen. Cell Reports, 2015, 13, 223-233.	2.9	74
36	Enhanced TLR-mediated NF-IL6â€“dependent gene expression by Trib1 deficiency. Journal of Experimental Medicine, 2007, 204, 2233-2239.	4.2	73

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37	Innate, adaptive, and cell-autonomous immunity against Toxoplasma gondii infection. Experimental and Molecular Medicine, 2019, 51, 1-10.	3.2	72
38	Human GBP1 Differentially Targets Salmonella and Toxoplasma to License Recognition of Microbial Ligands and Caspase-Mediated Death. Cell Reports, 2020, 32, 108008.	2.9	58
39	Role of nuclear IÎºB proteins in the regulation of host immune responses. Journal of Infection and Chemotherapy, 2008, 14, 265-269.	0.8	55
40	Fungal ligands released by innate immune effectors promote inflammasome activation during Aspergillus fumigatus infection. Nature Microbiology, 2019, 4, 316-327.	5.9	53
41	Guanylate binding proteins facilitate caspase-11-dependent pyroptosis in response to type 3 secretion system-negative Pseudomonas aeruginosa. Cell Death Discovery, 2018, 4, 3.	2.0	51
42	Osteoclast fusion and bone loss are restricted by interferon inducible guanylate binding proteins. Nature Communications, 2021, 12, 496.	5.8	51
43	Irgm2 and Gateâ€16 cooperatively dampen Gramâ€negative bacteriaâ€induced caspaseâ€11 response. EMBO Reports, 2020, 21, e50829.	2.0	45
44	IFN-Î³ extends the immune functions of Guanylate Binding Proteins to inflammasome-independent antibacterial activities during Francisella novicida infection. PLoS Pathogens, 2017, 13, e1006630.	2.1	41
45	mTOR Complex Signaling through the SEMA4Aâ€“Plexin B2 Axis Is Required for Optimal Activation and Differentiation of CD8+ T Cells. Journal of Immunology, 2015, 195, 934-943.	0.4	39
46	Metabolic adaptation to glycolysis is a basic defense mechanism of macrophages for Mycobacterium tuberculosis infection. International Immunology, 2019, 31, 781-793.	1.8	37
47	Guanylate Binding Proteins Regulate Inflammasome Activation in Response to Hyperinjected Yersinia Translocon Components. Infection and Immunity, 2017, 85, .	1.0	35
48	Inducible Nitric Oxide Synthase Is a Key Host Factor forToxoplasmaGRA15-Dependent Disruption of the Gamma Interferon-Induced Antiparasitic Human Response. MBio, 2018, 9, .	1.8	33
49	Toxoplasma Effector TgIST Targets Host IDO1 to Antagonize the IFN-Î³-Induced Anti-parasitic Response in Human Cells. Frontiers in Immunology, 2018, 9, 2073.	2.2	32
50	RabGDIÎ± is a negative regulator of interferon-Î³â€“inducible GTPase-dependent cell-autonomous immunity toToxoplasma gondii. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4581-90.	3.3	30
51	Enterocyteâ€“innate lymphoid cell crosstalk drives early IFN-Î³-mediated control of Cryptosporidium. Mucosal Immunology, 2022, 15, 362-372.	2.7	26
52	A Nonpyroptotic IFN-Î³â€“Triggered Cell Death Mechanism in Nonphagocytic Cells Promotes Salmonella Clearance In Vivo. Journal of Immunology, 2018, 200, 3626-3634.	0.4	23
53	Toxoplasma gondii â€‰ <scp>GRA60</scp> is an effector protein that modulates host cell autonomous immunity and contributes to virulence. Cellular Microbiology, 2021, 23, e13278.	1.1	19
54	Initial phospholipid-dependent Irgb6 targeting toToxoplasma gondiivacuoles mediates host defense. Life Science Alliance, 2020, 3, e201900549.	1.3	19

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55	Inhibition of ATF6Î²-dependent host adaptive immune response by a Toxoplasma virulence factor ROP18. Virulence, 2012, 3, 77-80.	1.8	18
56	CXCR4 regulates Plasmodium development in mouse and human hepatocytes. Journal of Experimental Medicine, 2019, 216, 1733-1748.	4.2	18
57	Chlamydia evasion of neutrophil host defense results in NLRP3 dependent myeloid-mediated sterile inflammation through the purinergic P2X7 receptor. Nature Communications, 2021, 12, 5454.	5.8	18
58	Toxoplasma Effector GRA15-Dependent Suppression of IFN-Î³-Induced Antiparasitic Response in Human Neurons. Frontiers in Cellular and Infection Microbiology, 2019, 9, 140.	1.8	17
59	Role of Gate-16 and Gabarap in Prevention of Caspase-11-Dependent Excess Inflammation and Lethal Endotoxic Shock. Frontiers in Immunology, 2020, 11, 561948.	2.2	17
60	NaÃ¯ve CD8 T cell IFNÎ³ responses to a vacuolar antigen are regulated by an inflammasome-independent NLRP3 pathway and Toxoplasma gondii ROP5. PLoS Pathogens, 2020, 16, e1008327.	2.1	16
61	T cell-derived interferon-Î³ is required for host defense to. Parasitology International, 2020, 75, 102049.	0.6	15
62	Cholera toxin B induces interleukin-1Î² production from resident peritoneal macrophages through the pyrin inflammasome as well as the NLRP3 inflammasome. International Immunology, 2019, 31, 657-668.	1.8	13
63	Guanylate Binding Proteins Restrict Leishmania donovani Growth in Nonphagocytic Cells Independent of Parasitophorous Vacuolar Targeting. MBio, 2020, 11, .	1.8	12
64	Cell-autonomousToxoplasmakilling program requires Irgm2 but not its microbe vacuolar localization. Life Science Alliance, 2021, 4, e202000960.	1.3	10
65	Uncovering a novel role of PLCÎ²4 in selectively mediating TCR signaling in CD8+ but not CD4+ T cells. Journal of Experimental Medicine, 2021, 218, .	4.2	7
66	Structural basis of membrane recognition of Toxoplasma gondii vacuole by Irgb6. Life Science Alliance, 2022, 5, e202101149.	1.3	7
67	Anti-Toxoplasma host defense systems and the parasitic counterdefense mechanisms. Parasitology International, 2022, 89, 102593.	0.6	7
68	Hepatitis C virus modulates signal peptide peptidase to alter host protein processing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	6
69	Guanylate-Binding Proteins Are Critical for Effective Control of Francisella tularensis Strains in a Mouse Co-Culture System of Adaptive Immunity. Frontiers in Cellular and Infection Microbiology, 2020, 10, 594063.	1.8	5
70	Alteration of Cholesterol Metabolism Induced by Anabolic Steroid, Oxandrolone, Administration to Rats. Endocrinologia Japonica, 1970, 17, 195-202.	0.5	3
71	Macrophages Demonstrate Guanylate-Binding Protein-Dependent and Bacterial Strain-Dependent Responses to Francisella tularensis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 784101.	1.8	3
72	Plasmodium UIS3 avoids host cell-autonomous exclusion that requires GABARAPs but not LC3 and autophagy. Parasitology International, 2021, 83, 102335.	0.6	2

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73	Introduction: Interactions Between the Immune System and Parasites Special Issue. International Immunology, 2018, 30, 91-91.	1.8	1
74	A Method for the Generation of Conditional Gene-Targeted Mice. Methods in Molecular Biology, 2011, 757, 399-410.	0.4	1
75	Decision by injection without infection. Journal of Experimental Medicine, 2020, 217, .	4.2	0
76	Regulation of host immune responses by nuclear I.KAPPA.B proteins. Inflammation and Regeneration, 2008, 28, 516-521.	1.5	0