Katherine A Fitzgerald

List of Publications by Year
in descending order

295	71,344	813	625
papers	citations	118 h-index	258 g-index

329	329	329	64454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NLRP3 inflammasomes are required for atherogenesis and activated by cholesterol crystals. Nature, 2010, 464, 1357-1361.	27.8	3,130
2	Silica crystals and aluminum salts activate the NALP3 inflammasome through phagosomal destabilization. Nature Immunology, 2008, 9, 847-856.	14.5	2,568
3	Autophagy proteins regulate innate immune responses by inhibiting the release of mitochondrial DNA mediated by the NALP3 inflammasome. Nature Immunology, 2011, 12, 222-230.	14.5	2,447
4	IKKÎµ and TBK1 are essential components of the IRF3 signaling pathway. Nature Immunology, 2003, 4, 491-496.	14.5	2,361
5	Cutting Edge: NF-Î°B Activating Pattern Recognition and Cytokine Receptors License NLRP3 Inflammasome Activation by Regulating NLRP3 Expression. Journal of Immunology, 2009, 183, 787-791.	0.8	2,281
6	AIM2 recognizes cytosolic dsDNA and forms a caspase-1-activating inflammasome with ASC. Nature, 2009, 458, 514-518.	27.8	2,098
7	The NALP3 inflammasome is involved in the innate immune response to amyloid-Î². Nature Immunology, 2008, 9, 857-865.	14.5	2,047
8	Oxidized Mitochondrial DNA Activates the NLRP3 Inflammasome during Apoptosis. Immunity, 2012, 36, 401-414.	14.3	1,618
9	IFI16 is an innate immune sensor for intracellular DNA. Nature Immunology, 2010, 11, 997-1004.	14.5	1,369
10	STING-Dependent Cytosolic DNA Sensing Mediates Innate Immune Recognition of Immunogenic Tumors. Immunity, 2014, 41, 830-842.	14.3	1,325
11	TLR9 signals after translocating from the ER to CpG DNA in the lysosome. Nature Immunology, 2004, 5, 190-198.	14.5	1,225
12	Toll-like receptor 9â€“dependent activation by DNA-containing immune complexes is mediated by HMGB1 and RAGE. Nature Immunology, 2007, 8, 487-496.	14.5	1,210
13	Activation of autophagy by inflammatory signals limits IL-1Î² production by targeting ubiquitinated inflammasomes for destruction. Nature Immunology, 2012, 13, 255-263.	14.5	1,164
14	Mal (MyD88-adapter-like) is required for Toll-like receptor-4 signal transduction. Nature, 2001, 413, 78-83.	27.8	1,122
15	The AIM2 inflammasome is essential for host defense against cytosolic bacteria and DNA viruses. Nature Immunology, 2010, 11, 395-402.	14.5	1,113
16	Toll-like Receptors and the Control of Immunity. Cell, 2020, 180, 1044-1066.	28.9	1,099
17	LPS-TLR4 Signaling to IRF-3/7 and NF-Î°B Involves the Toll Adapters TRAM and TRIF. Journal of Experimental Medicine, 2003, 198, 1043-1055.	8.5	1,053
18	Unified Polymerization Mechanism for the Assembly of ASC-Dependent Inflammasomes. Cell, 2014, 156, 1193-1206.	28.9	1,035

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19	A Long Noncoding RNA Mediates Both Activation and Repression of Immune Response Genes. Science, 2013, 341, 789-792.	12.6	925
20	Regulation of inflammasome signaling. Nature Immunology, 2012, 13, 333-342.	14.5	802
21	DNA sensing by the cGASâ€“STING pathway in health and disease. Nature Reviews Genetics, 2019, 20, 657-674.	16.3	801
22	RIG-I-dependent sensing of poly(dA:dT) through the induction of an RNA polymerase IIIâ€“transcribed RNA intermediate. Nature Immunology, 2009, 10, 1065-1072.	14.5	762
23	Inflammasome Complexes: Emerging Mechanisms and Effector Functions. Cell, 2016, 165, 792-800.	28.9	761
24	CD36 coordinates NLRP3 inflammasome activation by facilitating intracellular nucleation of soluble ligands into particulate ligands in sterile inflammation. Nature Immunology, 2013, 14, 812-820.	14.5	746
25	Autophagy Controls IL-1Î² Secretion by Targeting Pro-IL-1Î² for Degradation. Journal of Biological Chemistry, 2011, 286, 9587-9597.	3.4	723
26	Colitis induced in mice with dextran sulfate sodium (DSS) is mediated by the NLRP3 inflammasome. Gut, 2010, 59, 1192-1199.	12.1	687
27	Recognition of 5â€² Triphosphate by RIG-I Helicase Requires Short Blunt Double-Stranded RNA as Contained in Panhandle of Negative-Strand Virus. Immunity, 2009, 31, 25-34.	14.3	660
28	Pattern Recognition Receptors and the Innate Immune Response to Viral Infection. Viruses, 2011, 3, 920-940.	3.3	645
29	TRIF Licenses Caspase-11-Dependent NLRP3 Inflammasome Activation by Gram-Negative Bacteria. Cell, 2012, 150, 606-619.	28.9	645
30	Pathogen blockade of TAK1 triggers caspase-8â€“dependent cleavage of gasdermin D and cell death. Science, 2018, 362, 1064-1069.	12.6	639
31	Toll-like receptorâ€“induced arginase 1 in macrophages thwarts effective immunity against intracellular pathogens. Nature Immunology, 2008, 9, 1399-1406.	14.5	558
32	IFN-regulatory factor 3-dependent gene expression is defective in Tbk1-deficient mouse embryonic fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 233-238.	7.1	518
33	The RNA Helicase Lgp2 Inhibits TLR-Independent Sensing of Viral Replication by Retinoic Acid-Inducible Gene-I. Journal of Immunology, 2005, 175, 5260-5268.	0.8	517
34	Interleukin-17â€“producing innate lymphoid cells and the NLRP3 inflammasome facilitate obesity-associated airway hyperreactivity. Nature Medicine, 2014, 20, 54-61.	30.7	515
35	An Essential Role for the NLRP3 Inflammasome in Host Defense against the Human Fungal Pathogen Candida albicans. Cell Host and Microbe, 2009, 5, 487-497.	11.0	512
36	Nitric oxide controls the immunopathology of tuberculosis by inhibiting NLRP3 inflammasomeâ€“dependent processing of IL-1Î². Nature Immunology, 2013, 14, 52-60.	14.5	500

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37	The Tollâ€“IL-1 receptor adaptor family grows to five members. Trends in Immunology, 2003, 24, 286-289.	6.8	457
38	Structures of the HIN Domain:DNA Complexes Reveal Ligand Binding and Activation Mechanisms of the AIM2 Inflammasome and IFI16 Receptor. Immunity, 2012, 36, 561-571.	14.3	456
39	The Vaccine Adjuvant Chitosan Promotes Cellular Immunity via DNA Sensor cGAS-STING-Dependent Induction of Type I Interferons. Immunity, 2016, 44, 597-608.	14.3	429
40	Saturated Fatty Acid Activates but Polyunsaturated Fatty Acid Inhibits Toll-like Receptor 2 Dimerized with Toll-like Receptor 6 or 1. Journal of Biological Chemistry, 2004, 279, 16971-16979.	3.4	428
41	Mechanisms of inflammasome activation: recent advances and novel insights. Trends in Cell Biology, 2015, 25, 308-315.	7.9	408
42	MyD88-dependent IL-1 receptor signaling is essential for gouty inflammation stimulated by monosodium urate crystals. Journal of Clinical Investigation, 2006, 116, 2262-2271.	8.2	402
43	The NLRP3 inflammasome is up-regulated in cardiac fibroblasts and mediates myocardial ischaemiaâ€“reperfusion injury. Cardiovascular Research, 2013, 99, 164-174.	3.8	400
44	A Long Noncoding RNA lincRNA-EPS Acts as a Transcriptional Brake to Restrain Inflammation. Cell, 2016, 165, 1672-1685.	28.9	399
45	Lipopolysaccharide Rapidly Traffics to and from the Golgi Apparatus with the Toll-like Receptor 4-MD-2-CD14 Complex in a Process That Is Distinct from the Initiation of Signal Transduction. Journal of Biological Chemistry, 2002, 277, 47834-47843.	3.4	398
46	Immunobiology of Long Noncoding RNAs. Annual Review of Immunology, 2017, 35, 177-198.	21.8	395
47	Citrobacter rodentium: infection, inflammation and the microbiota. Nature Reviews Microbiology, 2014, 12, 612-623.	28.6	392
48	IRF3 and type I interferons fuel a fatal response to myocardial infarction. Nature Medicine, 2017, 23, 1481-1487.	30.7	358
49	Endotoxin recognition and signal transduction by the TLR4/MD2-complex. Microbes and Infection, 2004, 6, 1361-1367.	1.9	355
50	STING-IRF3 pathway links endoplasmic reticulum stress with hepatocyte apoptosis in early alcoholic liver disease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16544-16549.	7.1	345
51	Succination inactivates gasdermin D and blocks pyroptosis. Science, 2020, 369, 1633-1637.	12.6	341
52	The Interferon Regulatory Factor, IRF5, Is a Central Mediator of Toll-like Receptor 7 Signaling. Journal of Biological Chemistry, 2005, 280, 17005-17012.	3.4	340
53	Vaccinia virus protein A46R targets multiple Toll-likeâ€“interleukin-1 receptor adaptors and contributes to virulence. Journal of Experimental Medicine, 2005, 201, 1007-1018.	8.5	335
54	Mouse, but not Human STING, Binds and Signals in Response to the Vascular Disrupting Agent 5,6-Dimethylxanthenone-4-Acetic Acid. Journal of Immunology, 2013, 190, 5216-5225.	0.8	334

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55	Endoplasmic Reticulum Stress Activates the Inflammasome via NLRP3- and Caspase-2-Driven Mitochondrial Damage. Immunity, 2015, 43, 451-462.	14.3	328
56	Pneumolysin Activates the NLRP3 Inflammasome and Promotes Proinflammatory Cytokines Independently of TLR4. PLoS Pathogens, 2010, 6, e1001191.	4.7	314
57	Molecular mechanisms involved in inflammasome activation. Trends in Cell Biology, 2009, 19, 455-464.	7.9	310
58	Post-transcriptional regulation of gene expression in innate immunity. Nature Reviews Immunology, 2014, 14, 361-376.	22.7	301
59	Recognition of herpesviruses by the innate immune system. Nature Reviews Immunology, 2011, 11, 143-154.	22.7	293
60	The NLRP12 Inflammasome Recognizes Yersinia pestis. Immunity, 2012, 37, 96-107.	14.3	293
61	IFI16 senses DNA forms of the lentiviral replication cycle and controls HIV-1 replication. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4571-80.	7.1	285
62	Rip1 Mediates the Trif-dependent Toll-like Receptor 3- and 4-induced NF-Î¹B Activation but Does Not Contribute to Interferon Regulatory Factor 3 Activation. Journal of Biological Chemistry, 2005, 280, 36560-36566.	3.4	273
63	The DNA-sensing AIM2 inflammasome controls radiation-induced cell death and tissue injury. Science, 2016, 354, 765-768.	12.6	271
64	The induction of macrophage gene expression by LPS predominantly utilizes Myd88-independent signaling cascades. Physiological Genomics, 2004, 19, 319-330.	2.3	270
65	The E3 Ubiquitin Ligase Ro52 Negatively Regulates IFN-Î² Production Post-Pathogen Recognition by Polyubiquitin-Mediated Degradation of IRF3. Journal of Immunology, 2008, 181, 1780-1786.	0.8	268
66	A host type I interferon response is induced by cytosolic sensing of the bacterial second messenger cyclic-di-GMP. Journal of Experimental Medicine, 2009, 206, 1899-1911.	8.5	267
67	Innate sensing of malaria parasites. Nature Reviews Immunology, 2014, 14, 744-757.	22.7	260
68	Host-cell sensors for Plasmodium activate innate immunity against liver-stage infection. Nature Medicine, 2014, 20, 47-53.	30.7	256
69	Cutting Edge: FAS (CD95) Mediates Noncanonical IL-1Î² and IL-18 Maturation via Caspase-8 in an RIP3-Independent Manner. Journal of Immunology, 2012, 189, 5508-5512.	0.8	254
70	Caspase-8 and RIP kinases regulate bacteria-induced innate immune responses and cell death. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7391-7396.	7.1	250
71	NLRC3, a Member of the NLR Family of Proteins, Is a Negative Regulator of Innate Immune Signaling Induced by the DNA Sensor STING. Immunity, 2014, 40, 329-341.	14.3	245
72	Sensing of HSV-1 by the cGASâ€“STING pathway in microglia orchestrates antiviral defence in the CNS. Nature Communications, 2016, 7, 13348.	12.8	245

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73	Adaptive suppression of the ATF4â€“CHOP branch of the unfolded protein response by toll-like receptor signalling. Nature Cell Biology, 2009, 11, 1473-1480.	10.3	241
74	NOD2, RIP2 and IRF5 Play a Critical Role in the Type I Interferon Response to Mycobacterium tuberculosis. PLoS Pathogens, 2009, 5, e1000500.	4.7	239
75	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.	7.1	238
76	Specific Inhibition of MyD88-Independent Signaling Pathways of TLR3 and TLR4 by Resveratrol: Molecular Targets Are TBK1 and RIP1 in TRIF Complex. Journal of Immunology, 2005, 175, 3339-3346.	0.8	235
77	Innate Immune Recognition of an AT-Rich Stem-Loop DNA Motif in the Plasmodium falciparum Genome. Immunity, 2011, 35, 194-207.	14.3	234
78	Long non-coding RNAs and control of gene expression in the immune system. Trends in Molecular Medicine, 2014, 20, 623-631.	6.7	229
79	Superior Immunogenicity of Inactivated Whole Virus H5N1 Influenza Vaccine is Primarily Controlled by Toll-like Receptor Signalling. PLoS Pathogens, 2008, 4, e1000138.	4.7	221
80	Listeria monocytogenes is sensed by the NLRP3 and AIM2 inflammasome. European Journal of Immunology, 2010, 40, 1545-1551.	2.9	221
81	HDAC6 mediates an aggresome-like mechanism for NLRP3 and pyrin inflammasome activation. Science, 2020, 369, .	12.6	218
82	Virus-cell fusion as a trigger of innate immunity dependent on the adaptor STING. Nature Immunology, 2012, 13, 737-743.	14.5	207
83	Requirement for a conserved Toll/interleukin-1 resistance domain protein in the Caenorhabditis elegans immune response. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6593-6598.	7.1	206
84	Salmonella Infection Induces Recruitment of Caspase-8 to the Inflammasome To Modulate IL-1Î² Production. Journal of Immunology, 2013, 191, 5239-5246.	0.8	206
85	Poxvirus Protein N1L Targets the I-Î°B Kinase Complex, Inhibits Signaling to NF-Î°B by the Tumor Necrosis Factor Superfamily of Receptors, and Inhibits NF-Î°B and IRF3 Signaling by Toll-like Receptors. Journal of Biological Chemistry, 2004, 279, 36570-36578.	3.4	205
86	DOCK8 functions as an adaptor that links TLR-MyD88 signaling to B cell activation. Nature Immunology, 2012, 13, 612-620.	14.5	205
87	Caspase-8 scaffolding function and MLKL regulate NLRP3 inflammasome activation downstream of TLR3. Nature Communications, 2015, 6, 7515.	12.8	205
88	cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. Nature Medicine, 2018, 24, 50-61.	30.7	205
89	TLRs: Differential Adapter Utilization by Toll-Like Receptors Mediates TLR-Specific Patterns of Gene Expression. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2003, 3, 466-477.	3.4	204
90	Serum Amyloid A Activates the NLRP3 Inflammasome and Promotes Th17 Allergic Asthma in Mice. Journal of Immunology, 2011, 187, 64-73.	0.8	203

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91	Cutting Edge: TLR Signaling Licenses IRAK1 for Rapid Activation of the NLRP3 Inflammasome. Journal of Immunology, 2013, 191, 3995-3999.	0.8	199
92	Long noncoding RNAs in innate and adaptive immunity. Current Opinion in Immunology, 2014, 26, 140-146.	5.5	193
93	Nrf2 negatively regulates STING indicating a link between antiviral sensing and metabolic reprogramming. Nature Communications, 2018, 9, 3506.	12.8	192
94	Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. Immunity, 2018, 49, 413-426.e5.	14.3	187
95	Gasdermins and their role in immunity and inflammation. Journal of Experimental Medicine, 2019, 216, 2453-2465.	8.5	187
96	The PYHIN protein family as mediators of host defenses. Immunological Reviews, 2011, 243, 109-118.	6.0	179
97	Activation of caspase-1 by the NLRP3 inflammasome regulates the NADPH oxidase NOX2 to control phagosome function. Nature Immunology, 2013, 14, 543-553.	14.5	177
98	Proteasomal Degradation of Herpes Simplex Virus Capsids in Macrophages Releases DNA to the Cytosol for Recognition by DNA Sensors. Journal of Immunology, 2013, 190, 2311-2319.	0.8	171
99	5,6-Dimethylxanthenone-4-acetic Acid (DMXAA) Activates Stimulator of Interferon Gene (STING)-dependent Innate Immune Pathways and Is Regulated by Mitochondrial Membrane Potential. Journal of Biological Chemistry, 2012, 287, 39776-39788.	3.4	169
100	Influenza A virus targets a cGAS-independent STING pathway that controls enveloped RNA viruses. Nature Communications, 2016, 7, 10680.	12.8	169
101	Control of the innate immune response by the mevalonate pathway. Nature Immunology, 2016, 17, 922-929.	14.5	159
102	Free Cholesterol Accumulation in Macrophage Membranes Activates Toll-Like Receptors and p38 Mitogen-Activated Protein Kinase and Induces Cathepsin K. Circulation Research, 2009, 104, 455-465.	4.5	157
103	A Novel Role for the NLRC4 Inflammasome in Mucosal Defenses against the Fungal Pathogen Candida albicans. PLoS Pathogens, 2011, 7, e1002379.	4.7	156
104	TLR9 Provokes Inflammation in Response to Fetal DNA: Mechanism for Fetal Loss in Preterm Birth and Preeclampsia. Journal of Immunology, 2012, 188, 5706-5712.	0.8	155
105	Dual Engagement of the NLRP3 and AIM2 Inflammasomes by Plasmodium-Derived Hemozoin and DNA during Malaria. Cell Reports, 2014, 6, 196-210.	6.4	152
106	Nitro-fatty acids are formed in response to virus infection and are potent inhibitors of STING palmitoylation and signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7768-E7775.	7.1	150
107	The Interferon Inducible Gene: Viperin. Journal of Interferon and Cytokine Research, 2011, 31, 131-135.	1.2	146
108	Serine/threonine acetylation of TGFÎ²-activated kinase (TAK1) by Yersinia pestis YopJ inhibits innate immune signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12710-12715.	7.1	144

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109	Inflammation and Fibrosis duringChlamydia pneumoniaeInfection Is Regulated by IL-1 and the NLRP3/ASC Inflammasome. Journal of Immunology, 2010, 184, 5743-5754.	0.8	143
110	Suppression of systemic autoimmunity by the innate immune adaptor STING. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E710-7.	7.1	139
111	Antiviral Autophagy Restricts Rift Valley Fever Virus Infection and Is Conserved from Flies to Mammals. Immunity, 2014, 40, 51-65.	14.3	138
112	The chemotherapeutic agent DMXAA potently and specifically activates the TBK1â€“IRF-3 signaling axis. Journal of Experimental Medicine, 2007, 204, 1559-1569.	8.5	137
113	Ras, Protein Kinase CÎ¶, and IÎºB Kinases 1 and 2 Are Downstream Effectors of CD44 During the Activation of NF-Îº B by Hyaluronic Acid Fragments in T-24 Carcinoma Cells. Journal of Immunology, 2000, 164, 2053-2063.	0.8	135
114	The cGAS-STING Pathway for DNA Sensing. Molecular Cell, 2013, 51, 135-139.	9.7	135
115	Importance of Nucleic Acid Recognition in Inflammation and Autoimmunity. Annual Review of Medicine, 2016, 67, 323-336.	12.2	135
116	Malaria-Induced NLRP12/NLRP3-Dependent Caspase-1 Activation Mediates Inflammation and Hypersensitivity to Bacterial Superinfection. PLoS Pathogens, 2014, 10, e1003885.	4.7	134
117	Constitutive interferon signaling maintains critical threshold of MLKL expression to license necroptosis. Cell Death and Differentiation, 2019, 26, 332-347.	11.2	129
118	Streptococcus pneumoniae DNA Initiates Type I Interferon Signaling in the Respiratory Tract. MBio, 2011, 2, e00016-11.	4.1	128
119	Endoplasmic Reticulum Stress-induced Hepatocellular Death Pathways Mediate Liver Injury and Fibrosis via Stimulator of Interferon Genes. Journal of Biological Chemistry, 2016, 291, 26794-26805.	3.4	128
120	Emerging role of long noncoding RNAs as regulators of innate immune cell development and inflammatory gene expression. European Journal of Immunology, 2016, 46, 504-512.	2.9	125
121	Trif-related adapter molecule is phosphorylated by PKCÎµ during Toll-like receptor 4 signaling. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9196-9201.	7.1	124
122	Metabolic danger signals, uric acid and ATP, mediate inflammatory cross-talk between hepatocytes and immune cells in alcoholic liver disease. Journal of Leukocyte Biology, 2015, 98, 249-256.	3.3	119
123	NF-ÎºB activation by the Toll-IL-1 receptor domain protein MyD88 adapter-like is regulated by caspase-1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3372-3377.	7.1	118
124	TLR-Independent Type I Interferon Induction in Response to an Extracellular Bacterial PathogenÂvia Intracellular Recognition of Its DNA. Cell Host and Microbe, 2008, 4, 543-554.	11.0	118
125	Herpes Simplex Virus Immediate-Early ICP0 Protein Inhibits Toll-Like Receptor 2-Dependent Inflammatory Responses and NF-ÎºB Signaling. Journal of Virology, 2010, 84, 10802-10811.	3.4	118
126	Induction and Inhibition of Type I Interferon Responses by Distinct Components of Lymphocytic Choriomeningitis Virus. Journal of Virology, 2010, 84, 9452-9462.	3.4	117

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127	Endotoxin tolerance dysregulates MyD88- and Toll/IL-1R domain-containing adapter inducing IFN-Î²-dependent pathways and increases expression of negative regulators of TLR signaling. Journal of Leukocyte Biology, 2009, 86, 863-875.	3.3	115
128	Caspase-8 Modulates Dectin-1 and Complement Receptor 3â€“Driven IL-1Î² Production in Response to Î²-Glucans and the Fungal Pathogen, Candida albicans. Journal of Immunology, 2014, 193, 2519-2530.	0.8	114
129	Apoptosis, Pyroptosis, and Necroptosisâ€”Oh My! The Many Ways a Cell Can Die. Journal of Molecular Biology, 2022, 434, 167378.	4.2	113
130	The role of type I interferons in TLR responses. Immunology and Cell Biology, 2007, 85, 446-457.	2.3	112
131	Toll-like Receptor-dependent and -independent Viperin Gene Expression and Counter-regulation by PRDI-binding Factor-1/BLIMP1. Journal of Biological Chemistry, 2006, 281, 26188-26195.	3.4	111
132	Transcriptional Analysis of Murine Macrophages Infected with Different Toxoplasma Strains Identifies Novel Regulation of Host Signaling Pathways. PLoS Pathogens, 2013, 9, e1003779.	4.7	111
133	Inhibition of sterile danger signals, uric acid and ATP, prevents inflammasome activation and protects from alcoholic steatohepatitis in mice. Journal of Hepatology, 2015, 63, 1147-1155.	3.7	111
134	Functional Characterization of Murine Interferon Regulatory Factor 5 (IRF-5) and Its Role in the Innate Antiviral Response. Journal of Biological Chemistry, 2008, 283, 14295-14308.	3.4	110
135	Group B Streptococcus Degrades Cyclic-di-AMP to Modulate STING-Dependent Type I Interferon Production. Cell Host and Microbe, 2016, 20, 49-59.	11.0	110
136	Insights into interferon regulatory factor activation from the crystal structure of dimeric IRF5. Nature Structural and Molecular Biology, 2008, 15, 1213-1220.	8.2	109
137	Innate Immune Responses to Endosymbiotic Wolbachia Bacteria in Brugia malayi and Onchocerca volvulus Are Dependent on TLR2, TLR6, MyD88, and Mal, but Not TLR4, TRIF, or TRAM. Journal of Immunology, 2007, 178, 1068-1076.	0.8	106
138	Interferon Î³-inducible Protein (IFI) 16 Transcriptionally Regulates Type I Interferons and Other Interferon-stimulated Genes and Controls the Interferon Response to both DNA and RNA Viruses. Journal of Biological Chemistry, 2014, 289, 23568-23581.	3.4	106
139	Functional Regulation of MyD88-Activated Interferon Regulatory Factor 5 by K63-Linked Polyubiquitination. Molecular and Cellular Biology, 2008, 28, 7296-7308.	2.3	104
140	Dengue Virus Nonstructural Protein NS5 Induces Interleukin-8 Transcription and Secretion. Journal of Virology, 2005, 79, 11053-11061.	3.4	103
141	Resistance to HSV-1 infection in the epithelium resides with the novel innate sensor, IFI-16. Mucosal Immunology, 2012, 5, 173-183.	6.0	103
142	Cutting Edge: Mycobacterium tuberculosis but Not Nonvirulent Mycobacteria Inhibits IFN-Î² and AIM2 Inflammasomeâ€“Dependent IL-1Î² Production via Its ESX-1 Secretion System. Journal of Immunology, 2013, 191, 3514-3518.	0.8	102
143	Molecular Basis of DNA Recognition in the Immune System. Journal of Immunology, 2013, 190, 1911-1918.	0.8	102
144	Cutting Edge: Plasmodium falciparum Induces Trained Innate Immunity. Journal of Immunology, 2018, 200, 1243-1248.	0.8	101

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145	A Fluorescent Reporter Mouse for Inflammasome Assembly Demonstrates an Important Role for Cell-Bound and Free ASC Specks during InÂVivo Infection. Cell Reports, 2016, 16, 571-582.	6.4	99
146	Cutting Edge: A Natural Antisense Transcript, AS-IL1Î±, Controls Inducible Transcription of the Proinflammatory Cytokine IL-1Î±. Journal of Immunology, 2015, 195, 1359-1363.	0.8	97
147	Cell Survival and Cytokine Release after Inflammasome Activation Is Regulated by the Toll-IL-1R Protein SARM. Immunity, 2019, 50, 1412-1424.e6.	14.3	97
148	IKKÎ± negatively regulates ASC-dependent inflammasome activation. Nature Communications, 2014, 5, 4977.	12.8	96
149	A diamidobenzimidazole STING agonist protects against SARS-CoV-2 infection. Science Immunology, 2021, 6, .	11.9	96
150	Inhibition of phosphoinositide 3-kinase enhances TRIF-dependent NF-ÎºB activation and IFN-Î² synthesis downstream of Toll-like receptor 3 and 4. European Journal of Immunology, 2005, 35, 2200-2209.	2.9	95
151	Recognition of cytosolic <scp>DNA</scp> by c<scp>GAS</scp> and other <scp>STING</scp>â€dependent sensors. European Journal of Immunology, 2014, 44, 634-640.	2.9	94
152	Innate immune sensing of DNA viruses. Virology, 2011, 411, 153-162.	2.4	93
153	Bacterial RNA:DNA hybrids are activators of the NLRP3 inflammasome. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7765-7770.	7.1	92
154	Selection of Molecular Structure and Delivery of RNA Oligonucleotides to Activate TLR7 versus TLR8 and to Induce High Amounts of IL-12p70 in Primary Human Monocytes. Journal of Immunology, 2009, 182, 6824-6833.	0.8	90
155	Sorting out Toll Signals. Cell, 2006, 125, 834-836.	28.9	88
156	Evasion of Innate Cytosolic DNA Sensing by a Gammaherpesvirus Facilitates Establishment of Latent Infection. Journal of Immunology, 2015, 194, 1819-1831.	0.8	88
157	Cutting Edge: AIM2 and Endosomal TLRs Differentially Regulate Arthritis and Autoantibody Production in DNase Iiâ€“Deficient Mice. Journal of Immunology, 2015, 194, 873-877.	0.8	88
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