Shizuo Akira

List of Publications by Year
in descending order

561 papers	209,828 citations	31 194 h-index	21 447 g-index
595 all docs	595 docs citations	595 times ranked	114534 citing authors

#	Article	IF	Citations
1	Pathogen Recognition and Innate Immunity. Cell, 2006, 124, 783-801.	13.5	9,878
2	The role of pattern-recognition receptors in innate immunity: update on Toll-like receptors. Nature Immunology, 2010, 11, 373-384.	7.0	7,320
3	Toll-like receptor signalling. Nature Reviews Immunology, 2004, 4, 499-511.	10.6	7,318
4	Pattern Recognition Receptors and Inflammation. Cell, 2010, 140, 805-820.	13.5	6,978
5	A Toll-like receptor recognizes bacterial DNA. Nature, 2000, 408, 740-745.	13.7	5,827
6	TOLL-LIKERECEPTORS. Annual Review of Immunology, 2003, 21, 335-376.	9.5	5,168
7	Toll-like receptors: critical proteins linking innate and acquired immunity. Nature Immunology, 2001, 2, 675-680.	7.0	4,209
8	The RNA helicase RIG-I has an essential function in double-stranded RNA-induced innate antiviral responses. Nature Immunology, 2004, 5, 730-737.	7.0	3,433
9	Species-Specific Recognition of Single-Stranded RNA via Toll-like Receptor 7 and 8. Science, 2004, 303, 1526-1529.	6.0	3,413
10	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	13.7	3,292
11	The innate immune response to bacterial flagellin is mediated by Toll-like receptor 5. Nature, 2001, 410, 1099-1103.	13.7	3,186
12	Toll-like Receptors and Their Crosstalk with Other Innate Receptors in Infection and Immunity. Immunity, 2011, 34, 637-650.	6.6	3,060
13	Innate Antiviral Responses by Means of TLR7-Mediated Recognition of Single-Stranded RNA. Science, 2004, 303, 1529-1531.	6.0	3,050
14	Differential Roles of TLR2 and TLR4 in Recognition of Gram-Negative and Gram-Positive Bacterial Cell Wall Components. Immunity, 1999, 11, 443-451.	6.6	3,040
15	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. Science, 2003, 301, 640-643.	6.0	2,808
16	Small anti-viral compounds activate immune cells via the TLR7 MyD88â€“dependent signaling pathway. Nature Immunology, 2002, 3, 196-200.	7.0	2,290
17	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. Nature Immunology, 2005, 6, 981-988.	7.0	2,254
18	5'-Triphosphate RNA Is the Ligand for RIG-I. Science, 2006, 314, 994-997.	6.0	2,094

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19	TLR signaling pathways. Seminars in Immunology, 2004, 16, 3-9.	2.7	2,017
20	Signaling to NF-Î¹B by Toll-like receptors. Trends in Molecular Medicine, 2007, 13, 460-469.	3.5	1,932
21	Unresponsiveness of MyD88-Deficient Mice to Endotoxin. Immunity, 1999, 11, 115-122.	6.6	1,906
22	Targeted Disruption of the MyD88 Gene Results in Loss of IL-1- and IL-18-Mediated Function. Immunity, 1998, 9, 143-150.	6.6	1,890
23	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1Î² production. Nature, 2008, 456, 264-268.	13.7	1,837
24	Pathogen Recognition by the Innate Immune System. International Reviews of Immunology, 2011, 30, 16-34.	1.5	1,780
25	Innate immune recognition of viral infection. Nature Immunology, 2006, 7, 131-137.	7.0	1,654
26	Collaborative Induction of Inflammatory Responses by Dectin-1 and Toll-like Receptor 2. Journal of Experimental Medicine, 2003, 197, 1107-1117.	4.2	1,447
27	Shared and Unique Functions of the DExD/H-Box Helicases RIG-I, MDA5, and LGP2 in Antiviral Innate Immunity. Journal of Immunology, 2005, 175, 2851-2858.	0.4	1,438
28	Essential role of Stat6 in IL-4 signalling. Nature, 1996, 380, 627-630.	13.7	1,425
29	TRIM25 RING-finger E3 ubiquitin ligase is essential for RIG-I-mediated antiviral activity. Nature, 2007, 446, 916-920.	13.7	1,405
30	The roles of TLRs, RLRs and NLRs in pathogen recognition. International Immunology, 2009, 21, 317-337.	1.8	1,355
31	TLR signaling. Seminars in Immunology, 2007, 19, 24-32.	2.7	1,349
32	Length-dependent recognition of double-stranded ribonucleic acids by retinoic acidâ€“inducible gene-I and melanoma differentiationâ€“associated gene 5. Journal of Experimental Medicine, 2008, 205, 1601-1610.	4.2	1,327
33	Th17 functions as an osteoclastogenic helper T cell subset that links T cell activation and bone destruction. Journal of Experimental Medicine, 2006, 203, 2673-2682.	4.2	1,320
34	Toll-like receptors control activation of adaptive immune responses. Nature Immunology, 2001, 2, 947-950.	7.0	1,283
35	Cell Type-Specific Involvement of RIG-I in Antiviral Response. Immunity, 2005, 23, 19-28.	6.6	1,221
36	Biology of multifunctional cytokines: IL 6 and related molecules (IL 1 and TNF). FASEB Journal, 1990, 4, 2860-2867.	0.2	1,204

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37	Cutting Edge: Role of Toll-Like Receptor 1 in Mediating Immune Response to Microbial Lipoproteins. Journal of Immunology, 2002, 169, 10-14.	0.4	1,186
38	Identification of Oxidative Stress and Toll-like Receptor 4 Signaling as a Key Pathway of Acute Lung Injury. Cell, 2008, 133, 235-249.	13.5	1,164
39	Enhanced Th1 Activity and Development of Chronic Enterocolitis in Mice Devoid of Stat3 in Macrophages and Neutrophils. Immunity, 1999, 10, 39-49.	6.6	1,160
40	Sequence-specific potent induction of IFN-Î± by short interfering RNA in plasmacytoid dendritic cells through TLR7. Nature Medicine, 2005, 11, 263-270.	15.2	1,153
41	Cutting Edge: A Novel Toll/IL-1 Receptor Domain-Containing Adapter That Preferentially Activates the IFN-Î² Promoter in the Toll-Like Receptor Signaling. Journal of Immunology, 2002, 169, 6668-6672.	0.4	1,123
42	Discrimination of bacterial lipoproteins by Toll-like receptor 6. International Immunology, 2001, 13, 933-940.	1.8	1,112
43	TRAM couples endocytosis of Toll-like receptor 4 to the induction of interferon-Î². Nature Immunology, 2008, 9, 361-368.	7.0	1,071
44	Toll-like Receptor 9â€“mediated Recognition of Herpes Simplex Virus-2 by Plasmacytoid Dendritic Cells. Journal of Experimental Medicine, 2003, 198, 513-520.	4.2	1,064
45	Innate immunity to virus infection. Immunological Reviews, 2009, 227, 75-86.	2.8	1,053
46	Recognition of pathogen-associated molecular patterns by TLR family. Immunology Letters, 2003, 85, 85-95.	1.1	1,016
47	Bacterial RNA and small antiviral compounds activate caspase-1 through cryopyrin/Nalp3. Nature, 2006, 440, 233-236.	13.7	1,016
48	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. Nature Immunology, 2010, 11, 936-944.	7.0	996
49	Toll-like receptors and innate immunity. Biochemical and Biophysical Research Communications, 2009, 388, 621-625.	1.0	988
50	Lipopolysaccharide Stimulates the MyD88-Independent Pathway and Results in Activation of IFN-Regulatory Factor 3 and the Expression of a Subset of Lipopolysaccharide-Inducible Genes. Journal of Immunology, 2001, 167, 5887-5894.	0.4	986
51	Molecular cloning of APRF, a novel IFN-stimulated gene factor 3 p91-related transcription factor involved in the gp130-mediated signaling pathway. Cell, 1994, 77, 63-71.	13.5	984
52	Cutting Edge: TLR2-Deficient and MyD88-Deficient Mice Are Highly Susceptible toStaphylococcus aureusInfection. Journal of Immunology, 2000, 165, 5392-5396.	0.4	983
53	Essential role of MD-2 in LPS responsiveness and TLR4 distribution. Nature Immunology, 2002, 3, 667-672.	7.0	940
54	TRAM is specifically involved in the Toll-like receptor 4â€“mediated MyD88-independent signaling pathway. Nature Immunology, 2003, 4, 1144-1150.	7.0	919

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55	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. Nature, 2002, 420, 324-329.	13.7	910
56	Distinct RIG-I and MDA5 Signaling by RNA Viruses in Innate Immunity. Journal of Virology, 2008, 82, 335-345.	1.5	897
57	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
58	Defective NK Cell Activity and Th1 Response in IL-18â€“Deficient Mice. Immunity, 1998, 8, 383-390.	6.6	858
59	Tollâ€like Receptor and RIGâ€Iâ€like Receptor Signaling. Annals of the New York Academy of Sciences, 2008, 1143, 1-20.	1.8	842
60	Essential function for the kinase TAK1 in innate and adaptive immune responses. Nature Immunology, 2005, 6, 1087-1095.	7.0	839
61	Nucleic acids of mammalian origin can act as endogenous ligands for Toll-like receptors and may promote systemic lupus erythematosus. Journal of Experimental Medicine, 2005, 202, 1131-1139.	4.2	806
62	Toll-like receptor function and signaling. Journal of Allergy and Clinical Immunology, 2006, 117, 979-987.	1.5	766
63	Toll-like Receptor Signaling. Journal of Biological Chemistry, 2003, 278, 38105-38108.	1.6	741
64	IL-6 induces an anti-inflammatory response in the absence of SOCS3 in macrophages. Nature Immunology, 2003, 4, 551-556.	7.0	706
65	A Toll-like receptorâ€independent antiviral response induced by double-stranded B-form DNA. Nature Immunology, 2006, 7, 40-48.	7.0	704
66	Cutting Edge: Endotoxin Tolerance in Mouse Peritoneal Macrophages Correlates with Down-Regulation of Surface Toll-Like Receptor 4 Expression. Journal of Immunology, 2000, 164, 3476-3479.	0.4	700
67	Direct recognition of the mycobacterial glycolipid, trehalose dimycolate, by C-type lectin Mincle. Journal of Experimental Medicine, 2009, 206, 2879-2888.	4.2	670
68	Regulation of humoral and cellular gut immunity by lamina propria dendritic cells expressing Toll-like receptor 5. Nature Immunology, 2008, 9, 769-776.	7.0	668
69	Regulation of innate antiviral defenses through a shared repressor domain in RIG-I and LGP2. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 582-587.	3.3	667
70	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.	6.6	660
71	Toll-like receptor 2 controls expansion and function of regulatory T cells. Journal of Clinical Investigation, 2006, 116, 485-494.	3.9	658
72	TLR9-Dependent Recognition of MCMV by IPC and DC Generates Coordinated Cytokine Responses that Activate Antiviral NK Cell Function. Immunity, 2004, 21, 107-119.	6.6	644

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73	TAK1, but not TAB1 or TAB2, plays an essential role in multiple signaling pathways in vivo. Genes and Development, 2005, 19, 2668-2681.	2.7	632
74	Toll/IL-1 Receptor Domain-Containing Adaptor Inducing IFN-Î² (TRIF) Associates with TNF Receptor-Associated Factor 6 and TANK-Binding Kinase 1, and Activates Two Distinct Transcription Factors, NF-ÎºB and IFN-Regulatory Factor-3, in the Toll-Like Receptor Signaling. Journal of Immunology, 2003, 171, 4304-4310.	0.4	629
75	Induction of Direct Antimicrobial Activity Through Mammalian Toll-Like Receptors. Science, 2001, 291, 1544-1547.	6.0	623
76	Herpes simplex virus type 1 activates murine natural interferon-producing cells through toll-like receptor 9. Blood, 2004, 103, 1433-1437.	0.6	606
77	HMGB proteins function as universal sentinels for nucleic-acid-mediated innate immune responses. Nature, 2009, 462, 99-103.	13.7	602
78	Limb and Skin Abnormalities in Mice Lacking IKK. Science, 1999, 284, 313-316.	6.0	595
79	The S100A8â€“serum amyloid A3â€“TLR4 paracrine cascade establishes a pre-metastatic phase. Nature Cell Biology, 2008, 10, 1349-1355.	4.6	595
80	SOCS-1 Participates in Negative Regulation of LPS Responses. Immunity, 2002, 17, 677-687.	6.6	583
81	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. Nature, 2009, 458, 1185-1190.	13.7	557
82	TANK-binding kinase-1 delineates innate and adaptive immune responses to DNA vaccines. Nature, 2008, 451, 725-729.	13.7	551
83	Cutting Edge: Preferentially the R-Stereoisomer of the Mycoplasmal Lipopeptide Macrophage-Activating Lipopeptide-2 Activates Immune Cells Through a Toll-Like Receptor 2- and MyD88-Dependent Signaling Pathway. Journal of Immunology, 2000, 164, 554-557.	0.4	550
84	Quantitative Proteomics Reveals Subset-Specific Viral Recognition in Dendritic Cells. Immunity, 2010, 32, 279-289.	6.6	544
85	LGP2 is a positive regulator of RIG-Iâ€“ and MDA5-mediated antiviral responses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1512-1517.	3.3	540
86	Toll-like receptor 9 mediates innate immune activation by the malaria pigment hemozoin. Journal of Experimental Medicine, 2005, 201, 19-25.	4.2	537
87	The Roles of Two ÎºB Kinase-related Kinases in Lipopolysaccharide and Double Stranded RNA Signaling and Viral Infection. Journal of Experimental Medicine, 2004, 199, 1641-1650.	4.2	536
88	Mammalian Toll-like receptors. Current Opinion in Immunology, 2003, 15, 5-11.	2.4	527
89	The RNA Helicase Lgp2 Inhibits TLR-Independent Sensing of Viral Replication by Retinoic Acid-Inducible Gene-I. Journal of Immunology, 2005, 175, 5260-5268.	0.4	517
90	The Atg5â€“Atg12 conjugate associates with innate antiviral immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14050-14055.	3.3	517

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91	Activation of Toll-Like Receptor-2 by Glycosylphosphatidylinositol Anchors from a Protozoan Parasite. Journal of Immunology, 2001, 167, 416-423.	0.4	513
92	Pathogen recognition with Toll-like receptors. Current Opinion in Immunology, 2005, 17, 338-344.	2.4	503
93	MDA5/RIG-I and virus recognition. Current Opinion in Immunology, 2008, 20, 17-22.	2.4	501
94	Pathogen recognition in the innate immune response. Biochemical Journal, 2009, 420, 1-16.	1.7	497
95	IL-6 and NF-IL6 in Acute-Phase Response and Viral Infection. Immunological Reviews, 1992, 127, 25-50.	2.8	496
96	The Toll-like receptor 7 (TLR7)-specific stimulus loxoribine uncovers a strong relationship within the TLR7, 8 and 9 subfamily. European Journal of Immunology, 2003, 33, 2987-2997.	1.6	487
97	DNA released from dying host cells mediates aluminum adjuvant activity. Nature Medicine, 2011, 17, 996-1002.	15.2	482
98	Toll-like Receptor 9â€“Dependent and â€“Independent Dendritic Cell Activation by Chromatinâ€“Immunoglobulin G Complexes. Journal of Experimental Medicine, 2004, 199, 1631-1640.	4.2	476
99	Yellow fever vaccine YF-17D activates multiple dendritic cell subsets via TLR2, 7, 8, and 9 to stimulate polyvalent immunity. Journal of Experimental Medicine, 2006, 203, 413-424.	4.2	474
100	Stimulation of TLR2 and TLR4 differentially skews the balance of T cells in a mouse model of arthritis. Journal of Clinical Investigation, 2008, 118, 205-216.	3.9	450
101	Innate lymphoid cells regulate intestinal epithelial cell glycosylation. Science, 2014, 345, 1254009.	6.0	450
102	Interleukin-1 receptor-associated kinase-1 plays an essential role for Toll-like receptor (TLR)7- and TLR9-mediated interferon-Î± induction. Journal of Experimental Medicine, 2005, 201, 915-923.	4.2	446
103	Endotoxin-Induced Maturation of MyD88-Deficient Dendritic Cells. Journal of Immunology, 2001, 166, 5688-5694.	0.4	445
104	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein IÎºBÎ¶. Nature, 2004, 430, 218-222.	13.7	445
105	Host Innate Immune Receptors and Beyond: Making Sense of Microbial Infections. Cell Host and Microbe, 2008, 3, 352-363.	5.1	439
106	Essential role of IPS-1 in innate immune responses against RNA viruses. Journal of Experimental Medicine, 2006, 203, 1795-1803.	4.2	438
107	Electrophilic properties of itaconate and derivatives regulate theÂIÎºBÎ¶â€“ATF3 inflammatory axis. Nature, 2018, 556, 501-504.	13.7	438
108	Induction of Proinflammatory Responses in Macrophages by the Glycosylphosphatidylinositols of Plasmodium falciparum. Journal of Biological Chemistry, 2005, 280, 8606-8616.	1.6	437

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109	Immune Cell Activation by Bacterial Cpg-DNA through Myeloid Differentiation Marker 88 and Tumor Necrosis Factor Receptorâ€“Associated Factor (Traf)6. Journal of Experimental Medicine, 2000, 192, 595-600.	4.2	434
110	Interferon-Î± and Interleukin-12 Are Induced Differentially by Toll-like Receptor 7 Ligands in Human Blood Dendritic Cell Subsets. Journal of Experimental Medicine, 2002, 195, 1507-1512.	4.2	434
111	Toll-like Receptors and Type I Interferons. Journal of Biological Chemistry, 2007, 282, 15319-15323.	1.6	434
112	A Toll-Like Receptor 2 Ligand Stimulates Th2 Responses In Vivo, via Induction of Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase and c-Fos in Dendritic Cells. Journal of Immunology, 2004, 172, 4733-4743.	0.4	415
113	Toll-like receptors as adjuvant receptors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1589, 1-13.	1.9	408
114	MyD88-dependent IL-1 receptor signaling is essential for gouty inflammation stimulated by monosodium urate crystals. Journal of Clinical Investigation, 2006, 116, 2262-2271.	3.9	402
115	The Ubiquitin Ligase TRIM56 Regulates Innate Immune Responses to Intracellular Double-Stranded DNA. Immunity, 2010, 33, 765-776.	6.6	400
116	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. Nature Immunology, 2006, 7, 868-874.	7.0	399
117	Antiviral Signaling Through Pattern Recognition Receptors. Journal of Biochemistry, 2006, 141, 137-145.	0.9	398
118	Maturation of Human Dendritic Cells by Cell Wall Skeleton of Mycobacterium bovis Bacillus Calmette-Guèrin: Involvement of Toll-Like Receptors. Infection and Immunity, 2000, 68, 6883-6890.	1.0	381
119	Dissecting negative regulation of Toll-like receptor signaling. Trends in Immunology, 2012, 33, 449-458.	2.9	378
120	Toll-like receptors and innate immunity. Journal of Molecular Medicine, 2006, 84, 712-725.	1.7	377
121	IL-1R1/MyD88 signaling and the inflammasome are essential in pulmonary inflammation and fibrosis in mice. Journal of Clinical Investigation, 2007, 117, 3786-99.	3.9	374
122	Differential responses of mast cell Toll-like receptors 2 and 4 in allergy and innate immunity. Journal of Clinical Investigation, 2002, 109, 1351-1359.	3.9	370
123	Regulation of IgA production by naturally occurring TNF/iNOS-producing dendritic cells. Nature, 2007, 448, 929-933.	13.7	369
124	CD11b/CD18 Acts in Concert with CD14 and Toll-Like Receptor (TLR) 4 to Elicit Full Lipopolysaccharide and Taxol-Inducible Gene Expression. Journal of Immunology, 2001, 166, 574-581.	0.4	368
125	Synergy and Cross-Tolerance Between Toll-Like Receptor (TLR) 2- and TLR4-Mediated Signaling Pathways. Journal of Immunology, 2000, 165, 7096-7101.	0.4	367
126	Virulence factors of Yersinia pestis are overcome by a strong lipopolysaccharide response. Nature Immunology, 2006, 7, 1066-1073.	7.0	364

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127	Sequential control of Toll-like receptorâ€“dependent responses by IRAK1 and IRAK2. Nature Immunology, 2008, 9, 684-691.	7.0	361
128	Toll-like receptor engagement converts T-cell autoreactivity into overt autoimmune disease. Nature Medicine, 2005, 11, 138-145.	15.2	356
129	Dendritic-cell function in Toll-like receptor- and MyD88-knockout mice. Trends in Immunology, 2001, 22, 78-83.	2.9	342
130	The role of IL-18 in innate immunity. Current Opinion in Immunology, 2000, 12, 59-63.	2.4	340
131	Alveolar Macrophages Are the Primary Interferon-Î± Producer in Pulmonary Infection with RNA Viruses. Immunity, 2007, 27, 240-252.	6.6	340
132	Contrasting roles of histone 3 lysine 27 demethylases in acute lymphoblastic leukaemia. Nature, 2014, 514, 513-517.	13.7	340
133	Selective contribution of IFN-Â/Â signaling to the maturation of dendritic cells induced by double-stranded RNA or viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10872-10877.	3.3	337
134	Toll-like receptorâ€“mediated regulation of zinc homeostasis influences dendritic cell function. Nature Immunology, 2006, 7, 971-977.	7.0	326
135	IÎºB kinase-Î± is critical for interferon-Î± production induced by Toll-like receptors 7 and 9. Nature, 2006, 440, 949-953.	13.7	325
136	Tollâ€Like Receptors. Current Protocols in Immunology, 2015, 109, 14.12.1-14.12.10.	3.6	324
137	The Roles of Toll-Like Receptor 9, MyD88, and DNA-Dependent Protein Kinase Catalytic Subunit in the Effects of Two Distinct CpG DNAs on Dendritic Cell Subsets. Journal of Immunology, 2003, 170, 3059-3064.	0.4	320
138	Activation and regulation of Toll-like receptors 2 and 1 in human leprosy. Nature Medicine, 2003, 9, 525-532.	15.2	311
139	Bacterial recognition by TLR7 in the lysosomes of conventional dendritic cells. Nature Immunology, 2009, 10, 587-594.	7.0	308
140	Recognition of viruses by innate immunity. Immunological Reviews, 2007, 220, 214-224.	2.8	305
141	Maternal TLR signaling is required for prenatal asthma protection by the nonpathogenic microbe Acinetobacter lwoffii F78. Journal of Experimental Medicine, 2009, 206, 2869-2877.	4.2	301
142	Viral Infections Activate Types I and III Interferon Genes through a Common Mechanism. Journal of Biological Chemistry, 2007, 282, 7576-7581.	1.6	300
143	Malt1-Induced Cleavage of Regnase-1 in CD4+ Helper T Cells Regulates Immune Activation. Cell, 2013, 153, 1036-1049.	13.5	296
144	Regnase-1 and Roquin Regulate a Common Element in Inflammatory mRNAs by Spatiotemporally Distinct Mechanisms. Cell, 2015, 161, 1058-1073.	13.5	296

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145	Cellular responses to bacterial cell wall components are mediated through MyD88-dependent signaling cascades. International Immunology, 2000, 12, 113-117.	1.8	291
146	Toll-like Receptors and Innate Immunity. Advances in Immunology, 2001, 78, 1-56.	1.1	290
147	Microbial Sensing by Toll-Like Receptors and Intracellular Nucleic Acid Sensors. Cold Spring Harbor Perspectives in Biology, 2015, 7, a016246.	2.3	288
148	Innate Immune Sensing of Modified Vaccinia Virus Ankara (MVA) Is Mediated by TLR2-TLR6, MDA-5 and the NALP3 Inflammasome. PLoS Pathogens, 2009, 5, e1000480.	2.1	285
149	Critical role of Trib1 in differentiation of tissue-resident M2-like macrophages. Nature, 2013, 495, 524-528.	13.7	285
150	Ectopic expression of CHOP (GADD153) induces apoptosis in M1 myeloblastic leukemia cells. FEBS Letters, 1996, 395, 143-147.	1.3	282
151	Negative regulation of interferon-regulatory factor 3â€“dependent innate antiviral response by the prolyl isomerase Pin1. Nature Immunology, 2006, 7, 598-605.	7.0	280
152	Recognition of Profilin by Toll-like Receptor 12 Is Critical for Host Resistance to Toxoplasma gondii. Immunity, 2013, 38, 119-130.	6.6	279
153	Toll-Like Receptor-2 Modulates Ventricular Remodeling After Myocardial Infarction. Circulation, 2003, 108, 2905-2910.	1.6	277
154	CpG directly induces T-bet expression and inhibits IgG1 and IgE switching in B cells. Nature Immunology, 2003, 4, 687-693.	7.0	275
155	A Subset of Toll-Like Receptor Ligands Induces Cross-presentation by Bone Marrow-Derived Dendritic Cells. Journal of Immunology, 2003, 170, 4102-4110.	0.4	273
156	Differential Role of TLR- and RLR-Signaling in the Immune Responses to Influenza A Virus Infection and Vaccination. Journal of Immunology, 2007, 179, 4711-4720.	0.4	271
157	Demonstration of inflammation-induced cancer and cancer immunoediting during primary tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 652-656.	3.3	270
158	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.	4.2	267
159	Critical Roles of Myeloid Differentiation Factor 88-Dependent Proinflammatory Cytokine Release in Early Phase Clearance ofListeria monocytogenesin Mice. Journal of Immunology, 2002, 169, 3863-3868.	0.4	265
160	Toll receptors and pathogen resistance. Cellular Microbiology, 2003, 5, 143-153.	1.1	265
161	Critical role of the Toll-like receptor signal adaptor protein MyD88 in acute allograft rejection. Journal of Clinical Investigation, 2003, 111, 1571-1578.	3.9	265
162	Differential involvement of IFN-Â in Toll-like receptor-stimulated dendritic cell activation. International Immunology, 2002, 14, 1225-1231.	1.8	264

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163	Macrophages and Myeloid Dendritic Cells, but Not Plasmacytoid Dendritic Cells, Produce IL-10 in Response to MyD88- and TRIF-Dependent TLR Signals, and TLR-Independent Signals. Journal of Immunology, 2006, 177, 7551-7558.	0.4	263
164	The IÎºB kinase complex regulates the stability of cytokine-encoding mRNA induced by TLRâ€“IL-1R by controlling degradation of regnase-1. Nature Immunology, 2011, 12, 1167-1175.	7.0	261
165	The role of MyD88 and TLR4 in the LPS-mimetic activity of Taxol. European Journal of Immunology, 2001, 31, 2448-2457.	1.6	254
166	Toll-like receptorâ€“independent gene induction program activated by mammalian DNA escaped from apoptotic DNA degradation. Journal of Experimental Medicine, 2005, 202, 1333-1339.	4.2	254
167	Protection from lethal Gram-negative bacterial sepsis by targeting Toll-like receptor 4. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2348-2352.	3.3	252
168	Identification of an atypical monocyte and committed progenitor involved in fibrosis. Nature, 2017, 541, 96-101.	13.7	250
169	Key function for the Ubc13 E2 ubiquitin-conjugating enzyme in immune receptor signaling. Nature Immunology, 2006, 7, 962-970.	7.0	249
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