Osamu Takeuchi

List of Publications by Year
in descending order

243	86,601	114	239
papers	citations	h-index	g-index

997 947

261	261	261	65742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pathogen Recognition and Innate Immunity. Cell, 2006, 124, 783-801.	28.9	9,878
2	Pattern Recognition Receptors and Inflammation. Cell, 2010, 140, 805-820.	28.9	6,978
3	A Toll-like receptor recognizes bacterial DNA. Nature, 2000, 408, 740-745.	27.8	5,827
4	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. Nature, 2006, 441, 101-105.	27.8	3,292
5	Differential Roles of TLR2 and TLR4 in Recognition of Gram-Negative and Gram-Positive Bacterial Cell Wall Components. Immunity, 1999, 11, 443-451.	14.3	3,040
6	Role of Adaptor TRIF in the MyD88-Independent Toll-Like Receptor Signaling Pathway. Science, 2003, 301, 640-643.	12.6	2,808
7	Small anti-viral compounds activate immune cells via the TLR7 MyD88â€"dependent signaling pathway. Nature Immunology, 2002, 3, 196-200.	14.5	2,290
8	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. Nature Immunology, 2005, 6, 981-988.	14.5	2,254
9	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1Î² production. Nature, 2008, 456, 264-268.	27.8	1,837
10	TRIM25 RING-finger E3 ubiquitin ligase is essential for RIG-I-mediated antiviral activity. Nature, 2007, 446, 916-920.	27.8	1,405
11	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.	8.5	1,327
12	Cell Type-Specific Involvement of RIG-I in Antiviral Response. Immunity, 2005, 23, 19-28.	14.3	1,221
13	Cutting Edge: Role of Toll-Like Receptor 1 in Mediating Immune Response to Microbial Lipoproteins. Journal of Immunology, 2002, 169, 10-14.	0.8	1,186
14	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.	0.8	1,123
15	Discrimination of bacterial lipoproteins by Toll-like receptor 6. International Immunology, 2001, 13, 933-940.	4.0	1,112
16	Innate immunity to virus infection. Immunological Reviews, 2009, 227, 75-86.	6.0	1,053
17	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. Nature Immunology, 2010, 11, 936-944.	14.5	996
18	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.	0.8	986

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19	Cutting Edge: TLR2-Deficient and MyD88-Deficient Mice Are Highly Susceptible to<i>Staphylococcus aureus</i>Infection. Journal of Immunology, 2000, 165, 5392-5396.	0.8	983
20	TRAM is specifically involved in the Toll-like receptor 4â€"mediated MyD88-independent signaling pathway. Nature Immunology, 2003, 4, 1144-1150.	14.5	919
21	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. Nature, 2002, 420, 324-329.	27.8	910
22	Interferon-Î± induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. Nature Immunology, 2004, 5, 1061-1068.	14.5	894
23	Essential function for the kinase TAK1 in innate and adaptive immune responses. Nature Immunology, 2005, 6, 1087-1095.	14.5	839
24	Cyclophilin D is a component of mitochondrial permeability transition and mediates neuronal cell death after focal cerebral ischemia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12005-12010.	7.1	744
25	Atg9a controls dsDNA-driven dynamic translocation of STING and the innate immune response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20842-20846.	7.1	705
26	A Toll-like receptorâ€"independent antiviral response induced by double-stranded B-form DNA. Nature Immunology, 2006, 7, 40-48.	14.5	704
27	Direct recognition of the mycobacterial glycolipid, trehalose dimycolate, by C-type lectin Mincle. Journal of Experimental Medicine, 2009, 206, 2879-2888.	8.5	670
28	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
29	Induction of Direct Antimicrobial Activity Through Mammalian Toll-Like Receptors. Science, 2001, 291, 1544-1547.	12.6	623
30	Limb and Skin Abnormalities in Mice Lacking IKK. Science, 1999, 284, 313-316.	12.6	595
31	SOCS-1 Participates in Negative Regulation of LPS Responses. Immunity, 2002, 17, 677-687.	14.3	583
32	Activation of Toll-Like Receptor 2 in Acne Triggers Inflammatory Cytokine Responses. Journal of Immunology, 2002, 169, 1535-1541.	0.8	557
33	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. Nature, 2009, 458, 1185-1190.	27.8	557
34	TANK-binding kinase-1 delineates innate and adaptive immune responses to DNA vaccines. Nature, 2008, 451, 725-729.	27.8	551
35	Cutting Edge: Preferentially the <i>R</i>-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.	0.8	550
36	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.	7.1	540

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37	Toll-like receptor 9 mediates innate immune activation by the malaria pigment hemozoin. Journal of Experimental Medicine, 2005, 201, 19-25.	8.5	537
38	The Roles of Two IÎºB Kinase-related Kinases in Lipopolysaccharide and Double Stranded RNA Signaling and Viral Infection. Journal of Experimental Medicine, 2004, 199, 1641-1650.	8.5	536
39	Activation of Toll-Like Receptor-2 by Glycosylphosphatidylinositol Anchors from a Protozoan Parasite. Journal of Immunology, 2001, 167, 416-423.	0.8	513
40	Stepwise Activation of BAX and BAK by tBID, BIM, and PUMA Initiates Mitochondrial Apoptosis. Molecular Cell, 2009, 36, 487-499.	9.7	505
41	MDA5/RIG-I and virus recognition. Current Opinion in Immunology, 2008, 20, 17-22.	5.5	501
42	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.	8.5	446
43	Endotoxin-Induced Maturation of MyD88-Deficient Dendritic Cells. Journal of Immunology, 2001, 166, 5688-5694.	0.8	445
44	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein IÎºBÎ¶. Nature, 2004, 430, 218-222.	27.8	445
45	Essential role of IPS-1 in innate immune responses against RNA viruses. Journal of Experimental Medicine, 2006, 203, 1795-1803.	8.5	438
46	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.	8.5	434
47	BID, BIM, and PUMA Are Essential for Activation of the BAX- and BAK-Dependent Cell Death Program. Science, 2010, 330, 1390-1393.	12.6	416
48	Toll-like receptors; their physiological role and signal transduction system. International Immunopharmacology, 2001, 1, 625-635.	3.8	414
49	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. Nature Immunology, 2006, 7, 868-874.	14.5	399
50	TLR6: A novel member of an expanding Toll-like receptor family. Gene, 1999, 231, 59-65.	2.2	381
51	Maturation of Human Dendritic Cells by Cell Wall Skeleton of Mycobacterium bovis Bacillus Calmette-Gueˀrin: Involvement of Toll-Like Receptors. Infection and Immunity, 2000, 68, 6883-6890.	2.2	381
52	Activation of MDA5 Requires Higher-Order RNA Structures Generated during Virus Infection. Journal of Virology, 2009, 83, 10761-10769.	3.4	377
53	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.	0.8	368
54	Synergy and Cross-Tolerance Between Toll-Like Receptor (TLR) 2- and TLR4-Mediated Signaling Pathways. Journal of Immunology, 2000, 165, 7096-7101.	0.8	367

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55	C-type lectin Mincle is an activating receptor for pathogenic fungus,<i>Malassezia</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1897-1902.	7.1	367
56	Sequential control of Toll-like receptorâ€"dependent responses by IRAK1 and IRAK2. Nature Immunology, 2008, 9, 684-691.	14.5	361
57	Alveolar Macrophages Are the Primary Interferon-Î± Producer in Pulmonary Infection with RNA Viruses. Immunity, 2007, 27, 240-252.	14.3	340
58	Recognition of viruses by innate immunity. Immunological Reviews, 2007, 220, 214-224.	6.0	305
59	TLR9 as a key receptor for the recognition of DNAâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 795-804.	13.7	296
60	Malt1-Induced Cleavage of Regnase-1 in CD4+ Helper T Cells Regulates Immune Activation. Cell, 2013, 153, 1036-1049.	28.9	296
61	Regnase-1 and Roquin Regulate a Common Element in Inflammatory mRNAs by Spatiotemporally Distinct Mechanisms. Cell, 2015, 161, 1058-1073.	28.9	296
62	Cellular responses to bacterial cell wall components are mediated through MyD88-dependent signaling cascades. International Immunology, 2000, 12, 113-117.	4.0	291
63	Critical role of Trib1 in differentiation of tissue-resident M2-like macrophages. Nature, 2013, 495, 524-528.	27.8	285
64	Candida albicansPhospholipomannan Is Sensed through Tollâ€Like Receptors. Journal of Infectious Diseases, 2003, 188, 165-172.	4.0	281
65	Toll-Like Receptor-2 Modulates Ventricular Remodeling After Myocardial Infarction. Circulation, 2003, 108, 2905-2910.	1.6	277
66	A spatially and temporally restricted mouse model of soft tissue sarcoma. Nature Medicine, 2007, 13, 992-997.	30.7	274
67	Critical Roles of Myeloid Differentiation Factor 88-Dependent Proinflammatory Cytokine Release in Early Phase Clearance of<i>Listeria monocytogenes</i>in Mice. Journal of Immunology, 2002, 169, 3863-3868.	0.8	265
68	Differential involvement of IFN-Â in Toll-like receptor-stimulated dendritic cell activation. International Immunology, 2002, 14, 1225-1231.	4.0	264
69	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.	14.5	261
70	Key function for the Ubc13 E2 ubiquitin-conjugating enzyme in immune receptor signaling. Nature Immunology, 2006, 7, 962-970.	14.5	249
71	Toll-Like Receptor 2 Plays a Role in the Early Inflammatory Response to Murine Pneumococcal Pneumonia but Does Not Contribute to Antibacterial Defense. Journal of Immunology, 2004, 172, 3132-3138.	0.8	246
72	p53 Controls Radiation-Induced Gastrointestinal Syndrome in Mice Independent of Apoptosis. Science, 2010, 327, 593-596.	12.6	225

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73	Akirins are highly conserved nuclear proteins required for NF-Î°B-dependent gene expression in drosophila and mice. Nature Immunology, 2008, 9, 97-104.	14.5	223
74	Lipopolysaccharide-Induced IL-18 Secretion from Murine Kupffer Cells Independently of Myeloid Differentiation Factor 88 That Is Critically Involved in Induction of Production of IL-12 and IL-1Î². Journal of Immunology, 2001, 166, 2651-2657.	0.8	222
75	Roles of Toll-Like Receptors in C-C Chemokine Production by Renal Tubular Epithelial Cells. Journal of Immunology, 2002, 169, 2026-2033.	0.8	222
76	TLR7-dependent and FcÎ³R-independent production of type I interferon in experimental mouse lupus. Journal of Experimental Medicine, 2008, 205, 2995-3006.	8.5	199
77	Antiviral Protein Viperin Promotes Toll-like Receptor 7- and Toll-like Receptor 9-Mediated Type I Interferon Production in Plasmacytoid Dendritic Cells. Immunity, 2011, 34, 352-363.	14.3	199
78	Synergistic Effect of Muramyldipeptide with Lipopolysaccharide or Lipoteichoic Acid To Induce Inflammatory Cytokines in Human Monocytic Cells in Culture. Infection and Immunity, 2001, 69, 2045-2053.	2.2	193
79	Pathogen recognition by innate receptors. Journal of Infection and Chemotherapy, 2008, 14, 86-92.	1.7	187
80	<i>Plasmodium</i>â€ˆ<i>berghei</i>Infection in Mice Induces Liver Injury by an IL-12- and Toll-Like Receptor/Myeloid Differentiation Factor 88-Dependent Mechanism. Journal of Immunology, 2001, 167, 5928-5934.	0.8	186
81	Essential role of BAX,BAK in B cell homeostasis and prevention of autoimmune disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11272-11277.	7.1	181
82	Arid5a controls IL-6 mRNA stability, which contributes to elevation of IL-6 level in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9409-9414.	7.1	179
83	Differential recognition of structural details of bacterial lipopeptides by toll-like receptors. European Journal of Immunology, 2002, 32, 3337-3347.	2.9	179
84	Involvement of Toll-like Receptor (TLR) 2 and TLR4 in Cell Activation by Mannuronic Acid Polymers. Journal of Biological Chemistry, 2002, 277, 35489-35495.	3.4	178
85	Endotoxin can induce MyD88-deficient dendritic cells to support Th2 cell differentiation. International Immunology, 2002, 14, 695-700.	4.0	176
86	Double-Stranded RNA of Intestinal Commensal but Not Pathogenic Bacteria Triggers Production of Protective Interferon-Î². Immunity, 2013, 38, 1187-1197.	14.3	176
87	Pathogen recognition and Toll-like receptor targeted therapeutics in innate immune cells. International Reviews of Immunology, 2017, 36, 57-73.	3.3	174
88	Genetic analysis of resistance to viral infection. Nature Reviews Immunology, 2007, 7, 753-766.	22.7	172
89	West Nile Virus Noncoding Subgenomic RNA Contributes to Viral Evasion of the Type I Interferon-Mediated Antiviral Response. Journal of Virology, 2012, 86, 5708-5718.	3.4	170
90	Frequent mutations that converge on the NFKBIZ pathway in ulcerative colitis. Nature, 2020, 577, 260-265.	27.8	168

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91	TLR2 as an essential molecule for protective immunity against Toxoplasma gondii infection. International Immunology, 2003, 15, 1081-1087.	4.0	165
92	Mycobacterial Infection in TLR2 and TLR6 Knockout Mice. Microbiology and Immunology, 2003, 47, 327-336.	1.4	160
93	Essential role of IRAK-4 protein and its kinase activity in Toll-like receptorâ€"mediated immune responses but not in TCR signaling. Journal of Experimental Medicine, 2007, 204, 1013-1024.	8.5	158
94	Recognition of lipopeptides by Toll-like receptors. Journal of Endotoxin Research, 2002, 8, 459-463.	2.5	158
95	Simultaneous Blocking of Human Toll-Like Receptors 2 and 4 Suppresses Myeloid Dendritic Cell Activation Induced by Mycobacterium bovis Bacillus Calmette-Guèrin Peptidoglycan. Infection and Immunity, 2003, 71, 4238-4249.	2.2	154
96	A variety of microbial components induce tolerance to lipopolysaccharide by differentially affecting MyD88-dependent and -independent pathways. International Immunology, 2002, 14, 783-791.	4.0	153
97	Suppressor of cytokine signaling-1 selectively inhibits LPS-induced IL-6 production by regulating JAK-STAT. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17089-17094.	7.1	152
98	Hepatitis C Virus Nonstructural Protein 5A Modulates the Toll-Like Receptor-MyD88-Dependent Signaling Pathway in Macrophage Cell Lines. Journal of Virology, 2007, 81, 8953-8966.	3.4	151
99	TANK is a negative regulator of Toll-like receptor signaling and is critical for the prevention of autoimmune nephritis. Nature Immunology, 2009, 10, 965-972.	14.5	148
100	Pathological role of Toll-like receptor signaling in cerebral malaria. International Immunology, 2006, 19, 67-79.	4.0	144
101	Hypercapnic Acidosis Attenuates Endotoxin-Induced Nuclear Factor-ÎºB Activation. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 124-132.	2.9	143
102	Toll-Like Receptor 2 Mediates Staphylococcus aureus â€"Induced Myocardial Dysfunction and Cytokine Production in the Heart. Circulation, 2004, 110, 3693-3698.	1.6	143
103	Polyubiquitin conjugation to NEMO by triparite motif protein 23 (TRIM23) is critical in antiviral defense. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15856-15861.	7.1	140
104	Pivotal role of RNA-binding E3 ubiquitin ligase MEX3C in RIG-Iâ€"mediated antiviral innate immunity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5646-5651.	7.1	140
105	Protein Kinase R Contributes to Immunity against Specific Viruses by Regulating Interferon mRNA Integrity. Cell Host and Microbe, 2010, 7, 354-361.	11.0	137
106	Expression of Toll-Like Receptor 2 on Î³Î´ T Cells Bearing Invariant VÎ³6/VÎ´1 Induced by<i>Escherichia coli</i>Infection in Mice. Journal of Immunology, 2000, 165, 931-940.	0.8	135
107	Novel Engagement of CD14 and Multiple Toll-Like Receptors by Group B Streptococci. Journal of Immunology, 2001, 167, 7069-7076.	0.8	135
108	Cellular Activation, Phagocytosis, and Bactericidal Activity Against Group B Streptococcus Involve Parallel Myeloid Differentiation Factor 88-Dependent and Independent Signaling Pathways. Journal of Immunology, 2002, 169, 3970-3977.	0.8	130

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109	Bruton's tyrosine kinase phosphorylates Toll-like receptor 3 to initiate antiviral response. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5791-5796.	7.1	128
110	Role of Lipoteichoic Acid in the Phagocyte Response to Group B<i>Streptococcus</i>. Journal of Immunology, 2005, 174, 6449-6455.	0.8	125
111	The Triacylated ATP Binding Cluster Transporter Substrate-binding Lipoprotein of Staphylococcus aureus Functions as a Native Ligand for Toll-like Receptor 2. Journal of Biological Chemistry, 2009, 284, 8406-8411.	3.4	125
112	Regulation of lipopolysaccharide-inducible genes by MyD88 and Toll/IL-1 domain containing adaptor inducing IFN-Î². Biochemical and Biophysical Research Communications, 2005, 328, 383-392.	2.1	123
113	CD19 regulates innate immunity by the toll-like receptor RP105 signaling in B lymphocytes. Blood, 2003, 102, 1374-1380.	1.4	117
114	<i>Mycoplasma fermentans</i>Lipoprotein M161Ag-Induced Cell Activation Is Mediated by Toll-Like Receptor 2: Role of N-Terminal Hydrophobic Portion in its Multiple Functions. Journal of Immunology, 2001, 166, 2610-2616.	0.8	115
115	Negative Regulation of Platelet Clearance and of the Macrophage Phagocytic Response by the Transmembrane Glycoprotein SHPS-1. Journal of Biological Chemistry, 2002, 277, 39833-39839.	3.4	115
116	The TRAF-associated protein TANK facilitates cross-talk within the IÎºB kinase family during Toll-like receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17093-17098.	7.1	112
117	Cell activation by Porphyromonas gingivalis lipid A molecule through Toll-like receptor 4- and myeloid differentiation factor 88-dependent signaling pathway. International Immunology, 2002, 14, 1325-1332.	4.0	111
118	Lipopolysaccharide from<i>Coxiella burnetii</i>Is Involved in Bacterial Phagocytosis, Filamentous Actin Reorganization, and Inflammatory Responses through Toll-Like Receptor 4. Journal of Immunology, 2004, 172, 3695-3703.	0.8	110
119	TAK1 is indispensable for development of T cells and prevention of colitis by the generation of regulatory T cells. International Immunology, 2006, 18, 1405-1411.	4.0	110
120	Lymphocytoid Choriomeningitis Virus Activates Plasmacytoid Dendritic Cells and Induces a Cytotoxic T-Cell Response via MyD88. Journal of Virology, 2008, 82, 196-206.	3.4	110
121	Akt Contributes to Activation of the TRIF-Dependent Signaling Pathways of TLRs by Interacting with TANK-Binding Kinase 1. Journal of Immunology, 2011, 186, 499-507.	0.8	109
122	Selective roles for antiapoptotic MCL-1 during granulocyte development and macrophage effector function. Blood, 2009, 113, 2805-2815.	1.4	108
123	Inhibitory Effect of Toll-Like Receptor 4 on Fusion between Phagosomes and Endosomes/Lysosomes in Macrophages. Journal of Immunology, 2004, 172, 2039-2047.	0.8	105
124	Akirin2 is critical for inducing inflammatory genes by bridging IÎºBâ€Î¶ and the <scp>SWI</scp> / <scp>SNF</scp> complex. EMBO Journal, 2014, 33, 2332-2348.	7.8	105
125	Inhibition of IL-1R1/MyD88 signalling promotes mesenchymal stem cell-driven tissue regeneration. Nature Communications, 2016, 7, 11051.	12.8	104
126	Involvement of Toll-Like Receptor 2 in Experimental Invasive Pulmonary Aspergillosis. Infection and Immunity, 2005, 73, 5420-5425.	2.2	103

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127	TRAF6 Establishes Innate Immune Responses by Activating NF-Î°B and IRF7 upon Sensing Cytosolic Viral RNA and DNA. PLoS ONE, 2009, 4, e5674.	2.5	102
128	Poly I:C-Induced Activation of NK Cells by CD8Î±+ Dendritic Cells via the IPS-1 and TRIF-Dependent Pathways. Journal of Immunology, 2009, 183, 2522-2528.	0.8	100
129	Akirin specifies <scp>NF</scp> â€Î°B selectivity of <i>Drosophila</i> innate immune response via chromatin remodeling. EMBO Journal, 2014, 33, 2349-2362.	7.8	100
130	Codon bias confers stability to human <scp>mRNA</scp> s. EMBO Reports, 2019, 20, e48220.	4.5	100
131	Soluble CD14 enriched in colostrum and milk induces B cell growth and differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 603-608.	7.1	96
132	A selective contribution of the RIG-I-like receptor pathway to type I interferon responses activated by cytosolic DNA. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17870-17875.	7.1	96
133	Differential inductions of TNF-alpha and IGTP, IIGP by structurally diverse classic and non-classic lipopolysaccharides. Cellular Microbiology, 2006, 8, 401-413.	2.1	95
134	Human lactoferrin activates NFâ€Î°B through the Tollâ€like receptor 4 pathway while it interferes with the lipopolysaccharideâ€stimulated TLR4 signaling. FEBS Journal, 2010, 277, 2051-2066.	4.7	95
135	The Toll-Like Receptor 3-Mediated Antiviral Response Is Important for Protection against Poliovirus Infection in Poliovirus Receptor Transgenic Mice. Journal of Virology, 2012, 86, 185-194.	3.4	88
136	Cutting Edge: TLR-Dependent Viral Recognition Along with Type I IFN Positive Feedback Signaling Masks the Requirement of Viral Replication for IFN-Î± Production in Plasmacytoid Dendritic Cells. Journal of Immunology, 2009, 182, 3960-3964.	0.8	83
137	Differential recognition of structural details of bacterial lipopeptides by toll-like receptors. European Journal of Immunology, 2002, 32, 3337-3347.	2.9	81
138	Hepatitis C Virus Core Protein Abrogates the DDX3 Function That Enhances IPS-1-Mediated IFNâ€"Beta Induction. PLoS ONE, 2010, 5, e14258.	2.5	80
139	Involvement of Toll-Like Receptor 4 Signaling in Interferon-Â Production and Antitumor Effect by Streptococcal Agent OK-432. Journal of the National Cancer Institute, 2003, 95, 316-326.	6.3	79
140	Cutting Edge: Role of TANK-Binding Kinase 1 and Inducible IÎ°B Kinase in IFN Responses against Viruses in Innate Immune Cells. Journal of Immunology, 2006, 177, 5785-5789.	0.8	79
141	Baculovirus Induces Type I Interferon Production through Toll-Like Receptor-Dependent and -Independent Pathways in a Cell-Type-Specific Manner. Journal of Virology, 2009, 83, 7629-7640.	3.4	79
142	An Slfn2 mutation causes lymphoid and myeloid immunodeficiency due to loss of immune cell quiescence. Nature Immunology, 2010, 11, 335-343.	14.5	78
143	Cutting Edge: Pivotal Function of Ubc13 in Thymocyte TCR Signaling. Journal of Immunology, 2006, 177, 7520-7524.	0.8	76
144	Signaling pathways activated by microorganisms. Current Opinion in Cell Biology, 2007, 19, 185-191.	5.4	76

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145	Arid5a regulates naive CD4+ T cell fate through selective stabilization of Stat3 mRNA. Journal of Experimental Medicine, 2016, 213, 605-619.	8.5	76
146	Enhanced TLR-mediated NF-IL6â€"dependent gene expression by Trib1 deficiency. Journal of Experimental Medicine, 2007, 204, 2233-2239.	8.5	73
147	NET-CAGE characterizes the dynamics and topology of human transcribed cis-regulatory elements. Nature Genetics, 2019, 51, 1369-1379.	21.4	72
148	The Transcription Factor Jdp2 Controls Bone Homeostasis and Antibacterial Immunity by Regulating Osteoclast and Neutrophil Differentiation. Immunity, 2012, 37, 1024-1036.	14.3	70
149	Zinc-finger antiviral protein mediates retinoic acid inducible gene Iâ€"like receptor-independent antiviral response to murine leukemia virus. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12379-12384.	7.1	70
150	Nanoparticleâ€Mediated Delivery of Mitochondrial Division Inhibitor 1 to the Myocardium Protects the Heart From Ischemiaâ€Reperfusion Injury Through Inhibition of Mitochondria Outer Membrane Permeabilization: A New Therapeutic Modality for Acute Myocardial Infarction. Journal of the American Heart Association, 2016, 5, .	3.7	67
151	N4BP1 restricts HIV-1 and its inactivation by MALT1 promotes viral reactivation. Nature Microbiology, 2019, 4, 1532-1544.	13.3	61
152	Toxoplasma gondiiâ€"derived heat shock protein HSP70 functions as a B cell mitogen. Cell Stress and Chaperones, 2002, 7, 357.	2.9	56
153	VP1686, a Vibrio Type III Secretion Protein, Induces Toll-like Receptor-independent Apoptosis in Macrophage through NF-ÎºB Inhibition. Journal of Biological Chemistry, 2006, 281, 36897-36904.	3.4	55
154	IL-1Î± Modulates Neutrophil Recruitment in Chronic Inflammation Induced by Hydrocarbon Oil. Journal of Immunology, 2011, 186, 1747-1754.	0.8	55
155	Regnase-1 Maintains Iron Homeostasis via the Degradation of Transferrin Receptor 1 and Prolyl-Hydroxylase-Domain-Containing Protein 3 mRNAs. Cell Reports, 2017, 19, 1614-1630.	6.4	54
156	Essential Roles of K63-Linked Polyubiquitin-Binding Proteins TAB2 and TAB3 in B Cell Activation via MAPKs. Journal of Immunology, 2013, 190, 4037-4045.	0.8	53
157	Mitochondrial damage elicits a TCDD-inducible poly(ADP-ribose) polymerase-mediated antiviral response. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2681-2686.	7.1	52
158	Genetic approaches to the study of Toll-like receptor function. Microbes and Infection, 2002, 4, 887-895.	1.9	51
159	Toll-like receptor 2 contributes to liver injury by Salmonella infection through Fas ligand expression on NKT cells in mice. Gastroenterology, 2002, 123, 1265-1277.	1.3	49
160	Strawberry notch homologue 2 regulates osteoclast fusion by enhancing the expression of DC-STAMP. Journal of Experimental Medicine, 2013, 210, 1947-1960.	8.5	49
161	Post-transcriptional regulation of immune responses by RNA binding proteins. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2018, 94, 248-258.	3.8	48
162	Mouse Proteasomal ATPases Psmc3 and Psmc4: Genomic Organization and Gene Targeting. Genomics, 2000, 67, 1-7.	2.9	46

#	Article	IF	Citations
163	IÎºBÎ¶ is essential for natural killer cell activation in response to IL-12 and IL-18. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17680-17685.	7.1	46
164	Immunological basis of M13 phage vaccine: Regulation under MyD88 and TLR9 signaling. Biochemical and Biophysical Research Communications, 2010, 402, 19-22.	2.1	45
165	Regulation of lymphocyte progenitor survival by the proapoptotic activities of Bim and Bid. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20840-20845.	7.1	44
166	Interferon response induced by Toll-like receptor signaling. Journal of Endotoxin Research, 2004, 10, 252-256.	2.5	42
167	Regnase-1 and Roquin Nonredundantly Regulate Th1 Differentiation Causing Cardiac Inflammation and Fibrosis. Journal of Immunology, 2017, 199, 4066-4077.	0.8	42
168	The transcription factor E2A activates multiple enhancers that drive <i>Rag</i> expression in developing T and B cells. Science Immunology, 2020, 5, .	11.9	41
169	Human Gingival CD14+ Fibroblasts Primed with Gamma Interferon Increase Production of Interleukin-8 in Response to Lipopolysaccharide through Up-Regulation of Membrane CD14 and MyD88 mRNA Expression. Infection and Immunity, 2002, 70, 1272-1278.	2.2	40
170	Structural basis for the regulation of enzymatic activity of Regnase-1 by domain-domain interactions. Scientific Reports, 2016, 6, 22324.	3.3	38
171	TRAF Family Member-associated NF-ÎºB Activator (TANK) Is a Negative Regulator of Osteoclastogenesis and Bone Formation. Journal of Biological Chemistry, 2012, 287, 29114-29124.	3.4	37
172	Endonuclease Regnaseâ€1/<scp>Monocyte chemotactic proteinâ€1â€induced proteinâ€1 (MCPIP1</scp>) in controlling immune responses and beyond. Wiley Interdisciplinary Reviews RNA, 2018, 9, e1449.	6.4	37
173	RNA Recognition and Immunityâ€"Innate Immune Sensing and Its Posttranscriptional Regulation Mechanisms. Cells, 2020, 9, 1701.	4.1	37
174	Post-transcriptional regulation of cytokine mRNA controls the initiation and resolution of inflammation. Biotechnology and Genetic Engineering Reviews, 2013, 29, 49-60.	6.2	36
175	Nucleic acid sensing by T cells initiates Th2 cell differentiation. Nature Communications, 2014, 5, 3566.	12.8	36
176	Monocytic Cell Activation by Nonendotoxic Glycoprotein from Prevotella intermedia ATCC 25611 Is Mediated by Toll-Like Receptor 2. Infection and Immunity, 2001, 69, 4951-4957.	2.2	33
177	Limited role of the Toll-like receptor-2 in resistance to Mycobacterium avium. Immunology, 2004, 111, 179-185.	4.4	33
178	Escherichia coliverotoxin 1 mediates apoptosis in human HCT116 colon cancer cells by inducing overexpression of the GADD family of genes and S phase arrest. FEBS Letters, 2005, 579, 6604-6610.	2.8	33
179	CD44 Participates in IP-10 Induction in Cells in Which Hepatitis C Virus RNA Is Replicating, through an Interaction with Toll-Like Receptor 2 and Hyaluronan. Journal of Virology, 2012, 86, 6159-6170.	3.4	33
180	Essential Function for the Nuclear Protein Akirin2 in B Cell Activation and Humoral Immune Responses. Journal of Immunology, 2015, 195, 519-527.	0.8	32

#	Article	IF	Citations
181	Translation-dependent unwinding of stemâ€"loops by UPF1 licenses Regnase-1 to degrade inflammatory mRNAs. Nucleic Acids Research, 2019, 47, 8838-8859.	14.5	32
182	Effect of steroid on hyperoxia-induced ICAM-1 expression in pulmonary endothelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L245-L252.	2.9	31
183	Chromatin Remodeling and Transcriptional Control in Innate Immunity: Emergence of Akirin2 as a Novel Player. Biomolecules, 2015, 5, 1618-1633.	4.0	31
184	Hematopoietic IKBKE limits the chronicity of inflammasome priming and metaflammation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 506-511.	7.1	30
185	Profibrotic function of pulmonary group 2 innate lymphoid cells is controlled by regnase-1. European Respiratory Journal, 2021, 57, 2000018.	6.7	30
186	RNA binding proteins in the control of autoimmune diseases. Immunological Medicine, 2019, 42, 53-64.	2.6	27
187	Hassallâ€™s corpuscles with cellular-senescence features maintain IFNÎ± production through neutrophils and pDC activation in the thymus. International Immunology, 2019, 31, 127-139.	4.0	26
188	The effects of codon bias and optimality on mRNA and protein regulation. Cellular and Molecular Life Sciences, 2021, 78, 1909-1928.	5.4	26
189	Translational control of mRNAs by 3'-Untranslated region binding proteins. BMB Reports, 2017, 50, 194-200.	2.4	26
190	Toll-Like Receptor 4 Mediates the Antitumor Host Response Induced by a 55-Kilodalton Protein Isolated from Aeginetia indica L., a Parasitic Plant. Vaccine Journal, 2004, 11, 483-495.	2.6	25
191	The TNF Family Member 4-1BBL Sustains Inflammation by Interacting with TLR Signaling Components During Late-Phase Activation. Science Signaling, 2013, 6, ra87.	3.6	24
192	Pulmonary Regnase-1 orchestrates the interplay of epithelium and adaptive immune systems to protect against pneumonia. Mucosal Immunology, 2018, 11, 1203-1218.	6.0	23
193	Postâ€transcriptional control of immune responses and its potential application. Clinical and Translational Immunology, 2019, 8, e1063.	3.8	23
194	Critical Role of AZI2 in GM-CSFâ€"Induced Dendritic Cell Differentiation. Journal of Immunology, 2013, 190, 5702-5711.	0.8	22
195	Synergistic effects of lipopolysaccharide and interferon-Î³ in inducing interleukin-8 production in human monocytic THP-1 cells is accompanied by up-regulation of CD14, Toll-like receptor 4, MD-2 and MyD88 expression. Journal of Endotoxin Research, 2003, 9, 145-153.	2.5	21
196	Normal Development of the Gut-Associated Lymphoid Tissue Except Peyer's Patch in MyD88-Deficient Mice. Scandinavian Journal of Immunology, 2003, 58, 620-627.	2.7	20
197	A Lipopolysaccharide from Pantoea Agglomerans Is a Promising Adjuvant for Sublingual Vaccines to Induce Systemic and Mucosal Immune Responses in Mice via TLR4 Pathway. PLoS ONE, 2015, 10, e0126849.	2.5	20
198	Microarray analysis identifies apoptosis regulatory gene expression in HCT116 cells infected with thermostable direct hemolysin-deletion mutant of Vibrio parahaemolyticus. Biochemical and Biophysical Research Communications, 2005, 335, 328-334.	2.1	18

#	Article	IF	Citations
199	Negative Regulation of Melanoma Differentiation-associated Gene 5 (MDA5)-dependent Antiviral Innate Immune Responses by Arf-like Protein 5B. Journal of Biological Chemistry, 2015, 290, 1269-1280.	3.4	18
200	RIG-I-like antiviral protein in flies. Nature Immunology, 2008, 9, 1327-1328.	14.5	16
201	NO Is a Macrophage Autonomous Modifier of the Cytokine Response to Streptococcal Single-Stranded RNA. Journal of Immunology, 2012, 188, 774-780.	0.8	16
202	HuR keeps interferonâ€Î² mRNA stable. European Journal of Immunology, 2015, 45, 1296-1299.	2.9	14
203	Cytokine-Inducing Macromolecular Glycolipids from Enterococcus hirae: Improved Method for Separation and Analysis of Its Effects on Cellular Activation. Biochemical and Biophysical Research Communications, 2000, 273, 164-169.	2.1	13
204	5-Azacytidine-induced Protein 2 (AZI2) Regulates Bone Mass by Fine-tuning Osteoclast Survival. Journal of Biological Chemistry, 2015, 290, 9377-9386.	3.4	13
205	IRF3: a molecular switch in pathogen responses. Nature Immunology, 2012, 13, 634-635.	14.5	12
206	ILâ€33 causes selective mast cell tolerance to bacterial cell wall products by inducing IRAK1 degradation. European Journal of Immunology, 2013, 43, 979-988.	2.9	12
207	Regnaseâ€1â€"related endoribonucleases in health and immunological diseases. Immunological Reviews, 2021, 304, 97-110.	6.0	12
208	IRAK1-dependent Regnase-1-14-3-3 complex formation controls Regnase-1-mediated mRNA decay. ELife, 2021, 10, .	6.0	12
209	Posttranscriptional regulation of ILC2 homeostatic function via tristetraprolin. Journal of Experimental Medicine, 2021, 218, .	8.5	12
210	Essential Role of B7-H1 in Double-Stranded RNAâ€"Induced Augmentation of an Asthma Phenotype in Mice. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 31-39.	2.9	11
211	Regnase-1 Is an Endoribonuclease Essential for the Maintenance of Immune Homeostasis. Journal of Interferon and Cytokine Research, 2017, 37, 220-229.	1.2	10
212	Nickel Ions Selectively Inhibit Lipopolysaccharide-Induced Interleukin-6 Production by Decreasing Its mRNA Stability. PLoS ONE, 2015, 10, e0119428.	2.5	10
213	PIN and CCCH Zn-finger domains coordinate RNA targeting in ZC3H12 family endoribonucleases. Nucleic Acids Research, 2021, 49, 5369-5381.	14.5	9
214	Live-Cell Imaging of Protein Degradation Utilizing Designed Protein-Tag Mutant and Fluorescent Probe with Turn-Off Switch. Bioconjugate Chemistry, 2020, 31, 577-583.	3.6	8
215	Enhancement of Regnase-1 expression with stem loopâ€"targeting antisense oligonucleotides alleviates inflammatory diseases. Science Translational Medicine, 2022, 14, eabo2137.	12.4	8
216	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. Cell Reports, 2020, 32, 107906.	6.4	7

#	Article	IF	Citations
217	Post-transcriptional regulation of immunological responses by Regnase-1-related RNases. International Immunology, 2021, 33, 859-865.	4.0	7
218	Regnase-1 and Roquin regulate inflammatory mRNAs. Oncotarget, 2015, 6, 17869-17870.	1.8	7
219	Translation of Hepatitis A Virus IRES Is Upregulated by a Hepatic Cell-Specific Factor. Frontiers in Genetics, 2018, 9, 307.	2.3	6
220	Extracellular mRNA transported to the nucleus exerts translation-independent function. Nature Communications, 2021, 12, 3655.	12.8	6
221	Negative Regulators in Toll-like Receptor Responses. Cornea, 2010, 29, S13-S19.	1.7	5
222	Akirin2-Mediated Transcriptional Control by Recruiting SWI/SNF Complex in B Cells. Critical Reviews in Immunology, 2016, 36, 395-406.	0.5	5
223	Hyperoxia and Hypercapnic Acidosis Differentially Alter Nuclear Factor-Î°B Activation in Human Pulmonary Artery Endothelial Cells. Advances in Experimental Medicine and Biology, 1999, 471, 265-270.	1.6	4
224	Cyclin Jâ€"CDK complexes limit innate immune responses by reducing proinflammatory changes in macrophage metabolism. Science Signaling, 2022, 15, eabm5011.	3.6	4
225	Direct Attachment of Double-stranded DNA to Gold Surface for Preparation of Nano-structured Devices. Chemistry Letters, 2004, 33, 700-701.	1.3	3
226	NSD3 keeps IRF3 active. Journal of Experimental Medicine, 2017, 214, 3475-3476.	8.5	3
227	TANK prevents IFN-dependent fatal diffuse alveolar hemorrhage by suppressing DNA-cGAS aggregation. Life Science Alliance, 2022, 5, e202101067.	2.8	3
228	Viral recognition and type I interferon production by Toll-like receptor and an RNA helicase, RIG-I. International Congress Series, 2005, 1285, 10-14.	0.2	2
229	Functional characterization of protein domains common to animal viruses and mouse. BMC Genomics, 2011, 12, S21.	2.8	2
230	Dynamics of enhancers in myeloid antigen presenting cells upon LPS stimulation. BMC Genomics, 2014, 15, S4.	2.8	2
231	TLR4 signaling: negative regulation by degradation. Blood, 2007, 110, 794-794.	1.4	1
232	Posttranscriptional Regulation of Cytokine mRNA Controls the Initiation and Resolution of Inflammation. , 2016, , 319-332.		1
233	Toll-like receptor 2 signaling is important for fas ligand on NKT cells, may contribute to liver injury induced by Salmonella infection. Gastroenterology, 2001, 120, A357.	1.3	0
234	Toll-like receptor signaling. , 0, , 27-50.		0

#	Article	IF	Citations
235	The Biology of Toll-Like Receptors in Mice. , 2007, , 109-117.		0
236	176. Cytokine, 2013, 63, 284.	3.2	0
237	The Role of Ribonucleases in RNA Damage, Inactivation and Degradation. , 2021, , 85-108.		0
238	Receptors | Toll-Like Receptors. , 2021, , 329-334.		0
239	Recognition of Virus Invasion by Toll-Like Receptors and RIG-I-Like Helicases. , 2008, , 31-41.		0
240	Cytoplasmic Pattern Receptors (RIG-I and MDA-5) and Signaling in Viral Infections. , 0, , 29-38.		0
241	MCPIP3 (ZC3H12C) regulates the innate immune response by acting as a ribonuclease. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s249-s249.	0.1	0
242	Immune response regulation by paralogous endoribonucleases: ZC3H12C and N4BP1. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C452-C452.	0.1	0
243	Post-transcriptional control of immune responses via RNA binding proteins. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY78-3.	0.0	0