Takeuchi Osamu

List of Publications by Year in Descending Order

216 papers	72,131 citations	105 h-index	224 g-index
224 ext. papers	79,369 ext. citations	12.6 avg, IF	7.72 L-index

#	Paper	IF	Citations
216	Cyclin J-CDK complexes limit innate immune responses by reducing proinflammatory changes in macrophage metabolism.. *Science Signaling*, **2022**, 15, eabm5011	8.8	0
215	Enhancement of Regnase-1 expression with stem loop-targeting antisense oligonucleotides alleviates inflammatory diseases.. *Science Translational Medicine*, **2022**, 14, eabo2137	17.5	0
214	PIN and CCCH Zn-finger domains coordinate RNA targeting in ZC3H12 family endoribonucleases. *Nucleic Acids Research*, **2021**, 49, 5369-5381	20.1	4
213	Post-transcriptional regulation of immunological responses by Regnase-1-related RNases. *International Immunology*, **2021**, 33, 859-865	4.9	1
212	Functional dissection of the KRAS G12C mutation by comparison among multiple oncogenic driver mutations in a lung cancer cell line model. *Biochemical and Biophysical Research Communications*, **2021**, 534, 1-7	3.4	2
211	SHOC2 Is a Critical Modulator of Sensitivity to EGFR-TKIs in Non-Small Cell Lung Cancer Cells. *Molecular Cancer Research*, **2021**, 19, 317-328	6.6	1
210	The effects of codon bias and optimality on mRNA and protein regulation. *Cellular and Molecular Life Sciences*, **2021**, 78, 1909-1928	10.3	9
209	Differential effects of mesalazine formulations on thiopurine metabolism through thiopurine S-methyltransferase inhibition. *Journal of Gastroenterology and Hepatology (Australia)*, **2021**, 36, 2116-2124	4	2
208	Regnase-1-related endoribonucleases in health and immunological diseases. *Immunological Reviews* , **2021**, 304, 97-110	11.3	3
207	Increased DNA-incorporated thiopurine metabolite as a possible mechanism for leukocytopenia through cell apoptosis in inflammatory bowel disease patients with NUDT15 mutation. *Journal of Gastroenterology*, **2021**, 56, 999-1007	6.9	0
206	Bcl-2/Bcl-xL inhibitor navitoclax increases the antitumor effect of Chk1 inhibitor prexasertib by inducing apoptosis in pancreatic cancer cells via inhibition of Bcl-xL but not Bcl-2. *Molecular and Cellular Biochemistry*, **2020**, 472, 187-198	4.2	4
205	Prexasertib increases the sensitivity of pancreatic cancer cells to gemcitabine and S-1. *Oncology Reports*, **2020**, 43, 689-699	3.5	5
204	Frequent mutations that converge on the NFKBIZ pathway in ulcerative colitis. *Nature*, **2020**, 577, 260-265	50.4	77
203	Glycogen synthase kinase-3β participates in acquired resistance to gemcitabine in pancreatic cancer. *Cancer Science*, **2020**, 111, 4405-4416	6.9	3
202	RNA binding proteins in the control of autoimmune diseases. *Immunological Medicine*, **2019**, 42, 53-64	3.7	16
201	NET-CAGE characterizes the dynamics and topology of human transcribed cis-regulatory elements. *Nature Genetics*, **2019**, 51, 1369-1379	36.3	33
200	N4BP1 restricts HIV-1 and its inactivation by MALT1 promotes viral reactivation. *Nature Microbiology*, **2019**, 4, 1532-1544	26.6	31

199	Post-transcriptional control of immune responses and its potential application. *Clinical and Translational Immunology*, **2019**, 8, e1063	6.8	7
198	Ultimate High Conductivity of Multilayer Graphene Examined by Multiprobe Scanning Tunneling Potentiometry on Artificially Grown High-Quality Graphite Thin Film. *ACS Applied Electronic Materials*, **2019**, 1, 1762-1771	4	3
197	Translation-dependent unwinding of stem-loops by UPF1 licenses Regnase-1 to degrade inflammatory mRNAs. *Nucleic Acids Research*, **2019**, 47, 8838-8859	20.1	23
196	Codon bias confers stability to human mRNAs. *EMBO Reports*, **2019**, 20, e48220	6.5	43
195	Individualized treatment based on CYP3A5 single-nucleotide polymorphisms with tacrolimus in ulcerative colitis. *Intestinal Research*, **2019**, 17, 218-226	4.1	2
194	Pulmonary Regnase-1 orchestrates the interplay of epithelium and adaptive immune systems to protect against pneumonia. *Mucosal Immunology*, **2018**, 11, 1203-1218	9.2	14
193	A Simple 1-Day Colon Capsule Endoscopy Procedure Demonstrated to be a Highly Acceptable Monitoring Tool for Ulcerative Colitis. *Inflammatory Bowel Diseases*, **2018**, 24, 2404-2412	4.5	12
192	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	4	31
191	Translation of Hepatitis A Virus IRES Is Upregulated by a Hepatic Cell-Specific Factor. *Frontiers in Genetics*, **2018**, 9, 307	4.5	2
190	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	11.5	35
189	Evaluation of Suppressive Effects of Tranilast on the Invasion/Metastasis Mechanism in a Murine Pancreatic Cancer Cell Line. *Pancreas*, **2017**, 46, 567-574	2.6	1
188	Regnase-1 Is an Endoribonuclease Essential for the Maintenance of Immune Homeostasis. *Journal of Interferon and Cytokine Research*, **2017**, 37, 220-229	3.5	9
187	Local Performance Evaluation of Organic Solar Cell Using Scanning Tunneling Microscopy (STM). *Journal of the Vacuum Society of Japan*, **2017**, 60, 381-387		
186	NSD3 keeps IRF3 active. *Journal of Experimental Medicine*, **2017**, 214, 3475-3476	16.6	1
185	Regnase-1 and Roquin Nonredundantly Regulate Th1 Differentiation Causing Cardiac Inflammation and Fibrosis. *Journal of Immunology*, **2017**, 199, 4066-4077	5.3	28
184	Translational control of mRNAs by 3RUntranslated region binding proteins. *BMB Reports*, **2017**, 50, 194-200	3.9	17
183	Genetic polymorphisms of enzyme proteins and transporters related to methotrexate response and pharmacokinetics in a Japanese population. *Journal of Pharmaceutical Health Care and Sciences*, **2016**, 2, 35	1.8	9
182	Sex Differences in mRNA Expression of Reduced Folate Carrier-1, Folypolyformyl Glutamate Synthase, and □Glutamyl Hydrolase in a Healthy Japanese Population. *Journal of Clinical Pharmacology*, **2016**, 56, 1563-1569	2.9	2

181	Arid5a regulates naive CD4+ T cell fate through selective stabilization of Stat3 mRNA. *Journal of Experimental Medicine*, **2016**, 213, 605-19	16.6	52
180	Flesh-eating Streptococcus pyogenes triggers the expression of receptor activator of nuclear factor-B ligand. *Cellular Microbiology*, **2016**, 18, 1390-404	3.9	4
179	Pillars Article: Cutting Edge: Toll-Like Receptor 4 (TLR4)-Deficient Mice Are Hyporesponsive to Lipopolysaccharide: Evidence for TLR4 as the Lps Gene Product. J. Immunol. 1999. 162: 3749-3752. *Journal of Immunology*, **2016**, 197, 2563-6	5.3	7
178	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, 506-11	11.5	22
177	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, 1269-80	5.4	13
176	5-Azacytidine-induced protein 2 (AZI2) regulates bone mass by fine-tuning osteoclast survival. *Journal of Biological Chemistry*, **2015**, 290, 9377-86	5.4	7
175	Acquired resistance to gemcitabine and cross-resistance in human pancreatic cancer clones. *Anti-Cancer Drugs*, **2015**, 26, 90-100	2.4	17
174	HuR keeps interferon- mRNA stable. *European Journal of Immunology*, **2015**, 45, 1296-9	6.1	13
173	Chromatin Remodeling and Transcriptional Control in Innate Immunity: Emergence of Akirin2 as a Novel Player. *Biomolecules*, **2015**, 5, 1618-33	5.9	25
172	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	3.7	12
171	Regnase-1 and Roquin Regulate a Common Element in Inflammatory mRNAs by Spatiotemporally Distinct Mechanisms. *Cell*, **2015**, 161, 1058-1073	56.2	227
170	Essential Function for the Nuclear Protein Akirin2 in B Cell Activation and Humoral Immune Responses. *Journal of Immunology*, **2015**, 195, 519-27	5.3	25
169	Akirin2 is critical for inducing inflammatory genes by bridging IB- and the SWI/SNF complex. *EMBO Journal*, **2014**, 33, 2332-48	13	71
168	Pivotal role of RNA-binding E3 ubiquitin ligase MEX3C in RIG-I-mediated antiviral innate immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 5646-51	11.5	99
167	Akirin specifies NF-B selectivity of Drosophila innate immune response via chromatin remodeling. *EMBO Journal*, **2014**, 33, 2349-62	13	70
166	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, 9409-14	11.5	130
165	IL-33 causes selective mast cell tolerance to bacterial cell wall products by inducing IRAK1 degradation. *European Journal of Immunology*, **2013**, 43, 979-88	6.1	7
164	Critical role of Trib1 in differentiation of tissue-resident M2-like macrophages. *Nature*, **2013**, 495, 524-8	50.4	207

163	Malt1-induced cleavage of regnase-1 in CD4(+) helper T cells regulates immune activation. *Cell*, **2013**, 153, 1036-49	56.2	230
162	Double-stranded RNA of intestinal commensal but not pathogenic bacteria triggers production of protective interferon-*Immunity*, **2013**, 38, 1187-97	32.3	133
161	The TNF family member 4-1BBL sustains inflammation by interacting with TLR signaling components during late-phase activation. *Science Signaling*, **2013**, 6, ra87	8.8	19
160	Strawberry notch homologue 2 regulates osteoclast fusion by enhancing the expression of DC-STAMP. *Journal of Experimental Medicine*, **2013**, 210, 1947-60	16.6	41
159	Zinc-finger antiviral protein mediates retinoic acid inducible gene I-like receptor-independent antiviral response to murine leukemia virus. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12379-84	11.5	60
158	Essential roles of K63-linked polyubiquitin-binding proteins TAB2 and TAB3 in B cell activation via MAPKs. *Journal of Immunology*, **2013**, 190, 4037-45	5.3	47
157	Critical role of AZI2 in GM-CSF-induced dendritic cell differentiation. *Journal of Immunology*, **2013**, 190, 5702-11	5.3	14
156	Post-transcriptional regulation of cytokine mRNA controls the initiation and resolution of inflammation. *Biotechnology and Genetic Engineering Reviews*, **2013**, 29, 49-60	4.1	29
155	The transcription factor Jdp2 controls bone homeostasis and antibacterial immunity by regulating osteoclast and neutrophil differentiation. *Immunity*, **2012**, 37, 1024-36	32.3	56
154	West Nile virus noncoding subgenomic RNA contributes to viral evasion of the type I interferon-mediated antiviral response. *Journal of Virology*, **2012**, 86, 5708-18	6.6	137
153	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, 6159-70	6.6	27
152	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, 185-94	6.6	73
151	BrutonR 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, 5791-6	11.5	101
150	NO is a macrophage autonomous modifier of the cytokine response to streptococcal single-stranded RNA. *Journal of Immunology*, **2012**, 188, 774-80	5.3	13
149	TRAF family member-associated NF-B activator (TANK) is a negative regulator of osteoclastogenesis and bone formation. *Journal of Biological Chemistry*, **2012**, 287, 29114-24	5.4	34
148	The IB kinase complex regulates the stability of cytokine-encoding mRNA induced by TLR-IL-1R by controlling degradation of regnase-1. *Nature Immunology*, **2011**, 12, 1167-75	19.1	203
147	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, 352-63	32.3	153
146	The TRAF-associated protein TANK facilitates cross-talk within the IkappaB kinase family during Toll-like receptor signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17093-8	11.5	89

145	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	5.3	99
144	IL-1 modulates neutrophil recruitment in chronic inflammation induced by hydrocarbon oil. *Journal of Immunology*, **2011**, 186, 1747-54	5.3	45
143	Human lactoferrin activates NF-kappaB through the Toll-like receptor 4 pathway while it interferes with the lipopolysaccharide-stimulated TLR4 signaling. *FEBS Journal*, **2010**, 277, 2051-66	5.7	72
142	An Slfn2 mutation causes lymphoid and myeloid immunodeficiency due to loss of immune cell quiescence. *Nature Immunology*, **2010**, 11, 335-43	19.1	62
141	The Jmjd3-Irf4 axis regulates M2 macrophage polarization and host responses against helminth infection. *Nature Immunology*, **2010**, 11, 936-44	19.1	803
140	Hepatitis C virus core protein abrogates the DDX3 function that enhances IPS-1-mediated IFN-beta induction. *PLoS ONE*, **2010**, 5, e14258	3.7	58
139	p53 controls radiation-induced gastrointestinal syndrome in mice independent of apoptosis. *Science*, **2010**, 327, 593-6	33.3	179
138	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, 15856-61	11.5	124
137	LGP2 is a positive regulator of RIG-I- and MDA5-mediated antiviral responses. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1512-7	11.5	464
136	IB s 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, 17680-5	11.5	33
135	BID, BIM, and PUMA are essential for activation of the BAX- and BAK-dependent cell death program. *Science*, **2010**, 330, 1390-3	33.3	358
134	Reconsideration of dynamic force spectroscopy analysis of streptavidin-biotin interactions. *International Journal of Molecular Sciences*, **2010**, 11, 2134-51	6.3	23
133	Pattern recognition receptors and inflammation. *Cell*, **2010**, 140, 805-20	56.2	5306
132	Protein kinase R contributes to immunity against specific viruses by regulating interferon mRNA integrity. *Cell Host and Microbe*, **2010**, 7, 354-61	23.4	118
131	Immunological basis of M13 phage vaccine: Regulation under MyD88 and TLR9 signaling. *Biochemical and Biophysical Research Communications*, **2010**, 402, 19-22	3.4	32
130	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, 8406-11	5.4	115
129	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, 7629-40	6.6	75
128	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, 17870-5	11.5	86

127	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, 20842-6	11.5	560
126	Activation of MDA5 requires higher-order RNA structures generated during virus infection. *Journal of Virology*, **2009**, 83, 10761-9	6.6	321
125	C-type lectin Mincle is an activating receptor for pathogenic fungus, Malassezia. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1897-902	11.5	305
124	Direct recognition of the mycobacterial glycolipid, trehalose dimycolate, by C-type lectin Mincle. *Journal of Experimental Medicine*, **2009**, 206, 2879-88	16.6	544
123	Cutting Edge: TLR-Dependent viral recognition along with type I IFN positive feedback signaling masks the requirement of viral replication for IFN-{alpha} production in plasmacytoid dendritic cells. *Journal of Immunology*, **2009**, 182, 3960-4	5.3	72
122	Poly I:C-induced activation of NK cells by CD8 alpha+ dendritic cells via the IPS-1 and TRIF-dependent pathways. *Journal of Immunology*, **2009**, 183, 2522-8	5.3	89
121	Zc3h12a is an RNase essential for controlling immune responses by regulating mRNA decay. *Nature*, **2009**, 458, 1185-90	50.4	460
120	TANK is a negative regulator of Toll-like receptor signaling and is critical for the prevention of autoimmune nephritis. *Nature Immunology*, **2009**, 10, 965-72	19.1	129
119	Innate immunity to virus infection. *Immunological Reviews*, **2009**, 227, 75-86	11.3	866
118	Recognition of 5Rtriphosphate by RIG-I helicase requires short blunt double-stranded RNA as contained in panhandle of negative-strand virus. *Immunity*, **2009**, 31, 25-34	32.3	564
117	Stepwise activation of BAX and BAK by tBID, BIM, and PUMA initiates mitochondrial apoptosis. *Molecular Cell*, **2009**, 36, 487-99	17.6	448
116	Selective roles for antiapoptotic MCL-1 during granulocyte development and macrophage effector function. *Blood*, **2009**, 113, 2805-15	2.2	92
115	TRAF6 establishes innate immune responses by activating NF-kappaB and IRF7 upon sensing cytosolic viral RNA and DNA. *PLoS ONE*, **2009**, 4, e5674	3.7	77
114	TANK-binding kinase-1 delineates innate and adaptive immune responses to DNA vaccines. *Nature*, **2008**, 451, 725-9	50.4	484
113	Loss of the autophagy protein Atg16L1 enhances endotoxin-induced IL-1beta production. *Nature*, **2008**, 456, 264-8	50.4	1560
112	Sequential control of Toll-like receptor-dependent responses by IRAK1 and IRAK2. *Nature Immunology*, **2008**, 9, 684-91	19.1	315
111	Akirins are highly conserved nuclear proteins required for NF-kappaB-dependent gene expression in drosophila and mice. *Nature Immunology*, **2008**, 9, 97-104	19.1	177
110	Length-dependent recognition of double-stranded ribonucleic acids by retinoic acid-inducible gene-I and melanoma differentiation-associated gene 5. *Journal of Experimental Medicine*, **2008**, 205, 1601-10	16.6	1105

109	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, 20840-5	11.5	33
108	Lymphocytoid choriomeningitis virus activates plasmacytoid dendritic cells and induces a cytotoxic T-cell response via MyD88. *Journal of Virology*, **2008**, 82, 196-206	6.6	102
107	TLR7-dependent and FcgammaR-independent production of type I interferon in experimental mouse lupus. *Journal of Experimental Medicine*, **2008**, 205, 2995-3006	16.6	171
106	MDA5/RIG-I and virus recognition. *Current Opinion in Immunology*, **2008**, 20, 17-22	7.8	448
105	Pathogen recognition by innate receptors. *Journal of Infection and Chemotherapy*, **2008**, 14, 86-92	2.2	160
104	TLR9 as a key receptor for the recognition of DNA. *Advanced Drug Delivery Reviews*, **2008**, 60, 795-804	18.5	239
103	Genetic analysis of resistance to viral infection. *Nature Reviews Immunology*, **2007**, 7, 753-66	36.5	151
102	TRIM25 RING-finger E3 ubiquitin ligase is essential for RIG-I-mediated antiviral activity. *Nature*, **2007**, 446, 916-920	50.4	1135
101	Recognition of viruses by innate immunity. *Immunological Reviews*, **2007**, 220, 214-24	11.3	274
100	Signaling pathways activated by microorganisms. *Current Opinion in Cell Biology*, **2007**, 19, 185-91	9	63
99	Enhanced TLR-mediated NF-IL6 dependent gene expression by Trib1 deficiency. *Journal of Experimental Medicine*, **2007**, 204, 2233-9	16.6	56
98	Essential role of IRAK-4 protein and its kinase activity in Toll-like receptor-mediated immune responses but not in TCR signaling. *Journal of Experimental Medicine*, **2007**, 204, 1013-24	16.6	140
97	Hepatitis C virus nonstructural protein 5A modulates the toll-like receptor-MyD88-dependent signaling pathway in macrophage cell lines. *Journal of Virology*, **2007**, 81, 8953-66	6.6	135
96	Alveolar macrophages are the primary interferon-alpha producer in pulmonary infection with RNA viruses. *Immunity*, **2007**, 27, 240-52	32.3	278
95	Pathological role of Toll-like receptor signaling in cerebral malaria. *International Immunology*, **2007**, 19, 67-79	4.9	123
94	TAK1 is indispensable for development of T cells and prevention of colitis by the generation of regulatory T cells. *International Immunology*, **2006**, 18, 1405-11	4.9	107
93	Essential role of IPS-1 in innate immune responses against RNA viruses. *Journal of Experimental Medicine*, **2006**, 203, 1795-803	16.6	407
92	Cutting edge: Role of TANK-binding kinase 1 and inducible IkappaB kinase in IFN responses against viruses in innate immune cells. *Journal of Immunology*, **2006**, 177, 5785-9	5.3	75

91	Cutting Edge: Pivotal function of Ubc13 in thymocyte TCR signaling. *Journal of Immunology*, **2006**, 177, 7520-4	5.3	72
90	VP1686, a Vibrio type III secretion protein, induces toll-like receptor-independent apoptosis in macrophage through NF-kappaB inhibition. *Journal of Biological Chemistry*, **2006**, 281, 36897-904	5.4	54
89	Pathogen recognition and innate immunity. *Cell*, **2006**, 124, 783-801	56.2	8282
88	Differential inductions of TNF-alpha and IGTP, IIGP by structurally diverse classic and non-classic lipopolysaccharides. *Cellular Microbiology*, **2006**, 8, 401-13	3.9	73
87	A Toll-like receptor-independent antiviral response induced by double-stranded B-form DNA. *Nature Immunology*, **2006**, 7, 40-8	19.1	625
86	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. *Nature Immunology*, **2006**, 7, 868-74	19.1	358
85	Key function for the Ubc13 E2 ubiquitin-conjugating enzyme in immune receptor signaling. *Nature Immunology*, **2006**, 7, 962-70	19.1	222
84	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. *Nature*, **2006**, 441, 101-5	30.4	2807
83	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, 12005-10	11.5	671
82	Cell type-specific involvement of RIG-I in antiviral response. *Immunity*, **2005**, 23, 19-28	32.3	1074
81	Regulation of lipopolysaccharide-inducible genes by MyD88 and Toll/IL-1 domain containing adaptor inducing IFN-beta. *Biochemical and Biophysical Research Communications*, **2005**, 328, 383-92	3.4	114
80	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, 328-34	3.4	17
79	Escherichia coli verotoxin 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, 6604-10	3.8	25
78	Toll-like receptor 9 mediates innate immune activation by the malaria pigment hemozoin. *Journal of Experimental Medicine*, **2005**, 201, 19-25	16.6	479
77	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. *Nature Immunology*, **2005**, 6, 981-8	19.1	1954
76	Essential function for the kinase TAK1 in innate and adaptive immune responses. *Nature Immunology*, **2005**, 6, 1087-95	19.1	734
75	Interleukin-1 receptor-associated kinase-1 plays an essential role for Toll-like receptor (TLR)7- and TLR9-mediated interferon-{alpha} induction. *Journal of Experimental Medicine*, **2005**, 201, 915-23	16.6	397
74	Involvement of toll-like receptor 2 in experimental invasive pulmonary aspergillosis. *Infection and Immunity*, **2005**, 73, 5420-5	3.7	91

73	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, 11272-7	11.5	162
72	Atomic Force Microscopy on Imogolite, Aluminosilicate Nanotube, Adsorbed on Au(111) Surface. *Japanese Journal of Applied Physics*, **2005**, 44, 5397-5399	1.4	4
71	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, 17089-94	11.5	128
70	Role of lipoteichoic acid in the phagocyte response to group B streptococcus. *Journal of Immunology*, **2005**, 174, 6449-55	5.3	105
69	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, 3132-8	5.3	229
68	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, 483-95		20
67	Inhibitory effect of Toll-like receptor 4 on fusion between phagosomes and endosomes/lysosomes in macrophages. *Journal of Immunology*, **2004**, 172, 2039-47	5.3	93
66	The roles of two IkappaB kinase-related kinases in lipopolysaccharide and double stranded RNA signaling and viral infection. *Journal of Experimental Medicine*, **2004**, 199, 1641-50	16.6	469
65	Toll-like receptor 2 mediates Staphylococcus aureus-induced myocardial dysfunction and cytokine production in the heart. *Circulation*, **2004**, 110, 3693-8	16.7	117
64	Limited role of the Toll-like receptor-2 in resistance to Mycobacterium avium. *Immunology*, **2004**, 111, 179-85	7.8	28
63	Interferon-alpha induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. *Nature Immunology*, **2004**, 5, 1061-8	19.1	790
62	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein IkappaBzeta. *Nature*, **2004**, 430, 218-22	50.4	392
61	Lipopolysaccharide from Coxiella burnetii is involved in bacterial phagocytosis, filamentous actin reorganization, and inflammatory responses through Toll-like receptor 4. *Journal of Immunology*, **2004**, 172, 3695-703	5.3	94
60	TLR2 as an essential molecule for protective immunity against Toxoplasma gondii infection. *International Immunology*, **2003**, 15, 1081-7	4.9	150
59	Synergistic effects of lipopolysaccharide and interferon-gamma 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, 145-53		16
58	Toll-like receptor-2 modulates ventricular remodeling after myocardial infarction. *Circulation*, **2003**, 108, 2905-10	16.7	252
57	CD19 regulates innate immunity by the toll-like receptor RP105 signaling in B lymphocytes. *Blood*, **2003**, 102, 1374-80	2.2	100
56	TRAM is specifically involved in the Toll-like receptor 4-mediated MyD88-independent signaling pathway. *Nature Immunology*, **2003**, 4, 1144-50	19.1	818

55	Role of adaptor TRIF in the MyD88-independent toll-like receptor signaling pathway. *Science*, **2003**, 301, 640-3	33.3	2452
54	Mycobacterial infection in TLR2 and TLR6 knockout mice. *Microbiology and Immunology*, **2003**, 47, 327-36	2.7	137
53	Simultaneous blocking of human Toll-like receptors 2 and 4 suppresses myeloid dendritic cell activation induced by Mycobacterium bovis bacillus Calmette-Guérin peptidoglycan. *Infection and Immunity*, **2003**, 71, 4238-49	3.7	130
52	Involvement of Toll-like receptor 4 signaling in interferon-gamma production and antitumor effect by streptococcal agent OK-432. *Journal of the National Cancer Institute*, **2003**, 95, 316-26	9.7	73
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