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Recognition of double-stranded RNA and activation of NF-kappaB by Toll-like receptor 3

DOI: 10.1038/35099560
Nature, 2001, 413, 732-8.

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2269	Determinations of redox states in A2 and B-cell rich islet specimens from guinea pigs, using bioluminescence assay of NAD ⁺ and NADH. 1981 , 96, 93-9		10
2268	Dual topology of functional Toll-like receptor 3 expression in human hepatocellular carcinoma: Differential signaling mechanisms of TLR3-induced NF- κ B activation and apoptosis. 1992 , 33, 929		11
2267	Toll-like receptor signaling. 27-50		
2266	Les protéines PGRP, un chaîon manquant de l'immunité innée de la drosophile. 2001 , 17, 1359-1362		0
2265	Toll-like receptors and innate immunity. 2001 , 1, 135-45		3047
2264	Triggering of and interference with immune activation: interactions of measles virus with monocytes and dendritic cells. 2002 , 15, 417-28		10
2263	Review: IFN-alpha/beta receptor interactions to biologic outcomes: understanding the circuitry. 2002 , 22, 835-45		151
2262	Virus-induced interferon alpha production by a dendritic cell subset in the absence of feedback signaling in vivo. 2002 , 195, 507-16		206
2261	Roles of toll-like receptors in C-C chemokine production by renal tubular epithelial cells. 2002 , 169, 2026-33		210
2260	Antiviral immunity and the role of dendritic cells. 2002 , 21, 339-53		12
2259	NF-kappaB family of transcription factors: central regulators of innate and adaptive immune functions. 2002 , 15, 414-29		389
2258	Avoiding horror autotoxicus: the importance of dendritic cells in peripheral T cell tolerance. 2002 , 99, 351-8		960
2257	Cellular activation, phagocytosis, and bactericidal activity against group B streptococcus involve parallel myeloid differentiation factor 88-dependent and independent signaling pathways. 2002 , 169, 3970-7		121
2256	Protein kinase R regulates double-stranded RNA induction of TNF-alpha but not IL-1 beta mRNA in human epithelial cells. 2002 , 168, 6429-35		45
2255	Cutting edge: impaired Toll-like receptor expression and function in aging. 2002 , 169, 4697-701		485
2254	The Lyme disease vaccine takes its toll. 2002 , 2, 217-22		8
2253	ICSBP is essential for the development of mouse type I interferon-producing cells and for the generation and activation of CD8alpha(+) dendritic cells. 2002 , 196, 1415-25		338

2252	Stimulation by toll-like receptors inhibits osteoclast differentiation. 2002 , 169, 1516-23	193
2251	Messenger RNA electroporation of human monocytes, followed by rapid in vitro differentiation, leads to highly stimulatory antigen-loaded mature dendritic cells. 2002 , 169, 1669-75	52
2250	Two phenotypically distinct subsets of spleen dendritic cells in rats exhibit different cytokine production and T cell stimulatory activity. 2002 , 169, 2284-91	88
2249	Bacterial flagellin is an effective adjuvant for CD4+ T cells in vivo. 2002 , 169, 3914-9	218
2248	Whence interferon? Variety in the production of interferon in response to viral infection. 2002 , 195, F15-8	69
2247	Activation of macrophages by linear (1right-arrow3)-beta-D-glucans. Implications for the recognition of fungi by innate immunity. 2002 , 277, 36825-31	161
2246	A plague on host defense. 2002 , 196, 1009-12	9
2245	Dendritic cells pulsed with viral oncolysates potently stimulate autologous T cells from cancer patients. 2002 , 21, 685-94	21
2244	Extracellular mRNA induces dendritic cell activation by stimulating tumor necrosis factor-alpha secretion and signaling through a nucleotide receptor. 2002 , 277, 12689-96	35
2243	Direct involvement of CREB-binding protein/p300 in sequence-specific DNA binding of virus-activated interferon regulatory factor-3 holocomplex. 2002 , 277, 22304-13	84
2242	Identification of diacylated ureas as a novel family of fungus-specific leukocyte-activating pathogen-associated molecules. 2002 , 277, 27887-95	10
2241	Novel role for calcium-independent phospholipase A(2) in the macrophage antiviral response of inducible nitric-oxide synthase expression. 2002 , 277, 38449-55	35
2240	Novel therapies for sepsis: antiendotoxin therapies. 2002 , 11, 1795-812	42
2239	"For whom the bell tolls!" -- innate defense mechanisms and survival strategies of the intestinal epithelium against luminal pathogens. 2002 , 40, 983-90	34
2238	Toll-like receptor 9, CpG DNA and innate immunity. 2002 , 2, 545-56	116
2237	Dendritic cells in innate immune responses against HIV. 2002 , 2, 739-56	47
2236	Cellular transcriptional profiling in influenza A virus-infected lung epithelial cells: the role of the nonstructural NS1 protein in the evasion of the host innate defense and its potential contribution to pandemic influenza. 2002 , 99, 10736-41	299
2235	Hantavirus infection of dendritic cells. 2002 , 76, 10724-33	100

2234	Interactions of oral pathogens with toll-like receptors: possible role in atherosclerosis. 2002 , 7, 72-8	72
2233	Interferons mediate terminal differentiation of human cortical thymic epithelial cells. 2002 , 76, 6415-24	30
2232	Toll-like receptor 4 (TLR4)-deficient murine macrophage cell line as an in vitro assay system to show TLR4-independent signaling of Bacteroides fragilis lipopolysaccharide. 2002 , 70, 4892-6	47
2231	Vaccination with recombinant alphavirus or immune-stimulating complex antigen against respiratory syncytial virus. 2002 , 169, 3208-16	60
2230	Dysregulation of LPS-induced Toll-like receptor 4-MyD88 complex formation and IL-1 receptor-associated kinase 1 activation in endotoxin-tolerant cells. 2002 , 169, 5209-16	241
2229	Endogenously expressed nef uncouples cytokine and chemokine production from membrane phenotypic maturation in dendritic cells. 2002 , 169, 4172-82	53
2228	Toll Receptors. 2002 , 52, 14.12.1-14.12.11	5
2227	Toll-like receptors and gastrointestinal diseases: from bench to bedside?. 2002 , 18, 696-704	9
2226	The interferon antiviral response: from viral invasion to evasion. 2002 , 15, 259-67	164
2225	Innate immune recognition of lipopolysaccharide by endothelial cells. 2002 , 30, S207-13	59
2224	The occurrence of CMV-specific short RNAs in transgenic tobacco expressing virus-derived double-stranded RNA is indicative of resistance to the virus. 2002 , 15, 826-33	162
2223	Medical immunology: a new journal for a new subspecialty. 2002 , 1, 1	4
2222	Ligation of human CD46 with purified complement C3b or F(ab')(2) of monoclonal antibodies enhances isoform-specific interferon gamma-dependent nitric oxide production in macrophages. 2002 , 132, 83-91	17
2221	Toll-like receptors. 2002 , 30, S1-S11	210
2220	Hemagglutinin protein of wild-type measles virus activates toll-like receptor 2 signaling. 2002 , 76, 8729-36	401
2219	Science review: key inflammatory and stress pathways in critical illness - the central role of the Toll-like receptors. 2003 , 7, 39-46	39
2218	Toll receptors: a central element in innate immune responses. 2002 , 70, 1033-41	167
2217	An antiviral state induced in Chinook salmon embryo cells (CHSE-214) by transfection with the double-stranded RNA poly I:C. 2002 , 13, 367-78	63

2216	Expression of functional Toll-like receptor 2 on human epidermal keratinocytes. 2002 , 30, 185-94	122
2215	Toll-like receptors 2 and 4 are up-regulated during intestinal inflammation. 2002 , 122, 1987-2000	413
2214	RNA based vaccines. 2002 , 21, 953-61	19
2213	Toll-like receptors: a family of pattern-recognition receptors in mammals. 2002 , 3, REVIEWS3011	119
2212	Tissue expression of human Toll-like receptors and differential regulation of Toll-like receptor mRNAs in leukocytes in response to microbes, their products, and cytokines. 2002 , 168, 554-61	1029
2211	CpG DNA in the prevention and treatment of infections. 2002 , 16, 419-31	33
2210	Human immunodeficiency virus type 1 Nef mediates activation of STAT3 in immature dendritic cells. 2002 , 18, 1043-50	22
2209	Missing pieces in the NF-kappaB puzzle. 2002 , 109 Suppl, S81-96	3078
2208	IRAK-M is a negative regulator of Toll-like receptor signaling. 2002 , 110, 191-202	1148
2207	Establishment of a monoclonal antibody against human Toll-like receptor 3 that blocks double-stranded RNA-mediated signaling. 2002 , 293, 1364-9	369
2206	Involvement of TIRAP/MAL in signaling for the activation of interferon regulatory factor 3 by lipopolysaccharide. 2002 , 517, 251-6	38
2205	Lipopolysaccharide endotoxins. 2002 , 71, 635-700	3259
2204	IRF3 mediates a TLR3/TLR4-specific antiviral gene program. 2002 , 17, 251-63	715
2203	Toll-like receptor signal transduction and the tailoring of innate immunity: a role for Mal?. 2002 , 23, 296-300	141
2202	Of mice and men: species variations of Toll-like receptor expression. 2002 , 23, 375-8	239
2201	Endogenous ligands of Toll-like receptors: implications for regulating inflammatory and immune responses. 2002 , 23, 509-12	434
2200	Sequential activation of signaling pathways during innate immune responses in Drosophila. 2002 , 3, 711-22	395
2199	Intracellular vs extracellular recognition of pathogens--common concepts in mammals and flies. 2002 , 10, 193-9	160

2198	Can MMTV exploit TLR4?. 2002 , 10, 303-5; discussion 305-6	9
2197	Regulation of lymphoid homeostasis by interleukin-15. 2002 , 13, 429-39	85
2196	Interactions between bacterial CpG-DNA and TLR9 bridge innate and adaptive immunity. 2002 , 5, 62-9	160
2195	Toll-like receptors: mammalian "taste receptors" for a smorgasbord of microbial invaders. 2002 , 5, 70-5	72
2194	Roles of toll-like receptors in natural interferon-producing cells as sensors in immune surveillance. 2002 , 63, 1120-5	51
2193	Natural type I interferon-producing cells as a link between innate and adaptive immunity. 2002 , 63, 1126-32	131
2192	Interleukin-15 and the regulation of lymphoid homeostasis. 2002 , 39, 537-44	61
2191	Mammalian toll-like receptors. 2002 , 88, 543-7; quiz 548-50, 583	55
2190	Cutting edge: a novel Toll/IL-1 receptor domain-containing adapter that preferentially activates the IFN-beta promoter in the Toll-like receptor signaling. 2002 , 169, 6668-72	1011
2189	Toll-like receptors and activation of autoreactive B cells. 2003 , 6, 105-22	45
2188	Toll-Like Receptor Signaling and Regulation of Cytokine Gene Expression in the Immune System. 2002 , 33, S66-S75	95
2187	Role of toll-like receptors in response to bacterial infection. 2003 , 10, 149-63	5
2186	Signal Integration Following Toll-like Receptor Triggering. 2002 , 22, 34	33
2185	Innate Recognition of Bacteria: Engagement of Multiple Receptors. 2002 , 22, 18	19
2184	Toll-like receptors as adjuvant receptors. 2002 , 1589, 1-13	351
2183	Summary and comparison of the signaling mechanisms of the Toll/interleukin-1 receptor family. 2002 , 1592, 265-80	303
2182	Multiple signaling pathways leading to the activation of interferon regulatory factor 3. 2002 , 64, 985-92	130
2181	Innate immune sensing of microbial infection: the mechanism and the therapeutic challenge. 2002 , 152, 547-51	14

2180	Advances in research of the inflammatory response: the importance of toll-like receptors. 2002 , 152, 552-4	6
2179	A universal role for MyD88 in TLR/IL-1R-mediated signaling. 2002 , 27, 474-82	320
2178	NFkappaB-dependent signaling pathways. 2002 , 30, 285-96	298
2177	Clinical implications of antigen transfer mechanisms from malignant to dendritic cells. exploiting cross-priming. 2002 , 30, 1355-64	32
2176	Toll-like receptor 1 inhibits Toll-like receptor 4 signaling in endothelial cells. 2002 , 32, 1182-7	38
2175	Binding immune-stimulating oligonucleotides to cationic peptides from viral core antigen enhances their potency as adjuvants. 2002 , 32, 1709-16	35
2174	Role of chlamydial heat shock protein 60 in the stimulation of innate immune cells by Chlamydia pneumoniae. 2002 , 32, 2460-70	82
2173	Bacterial fimbriae activate human peripheral blood monocytes utilizing TLR2, CD14 and CD11a/CD18 as cellular receptors. 2002 , 32, 2543-50	85
2172	Stimulation of human natural interferon-alpha response via paramyxovirus hemagglutinin lectin-cell interaction. 2002 , 80, 443-51	20
2171	Effective therapeutic anticancer vaccines based on precision guiding of cytolytic T lymphocytes. 2002 , 188, 177-82	85
2170	Single nucleotide polymorphisms in innate immunity genes: abundant variation and potential role in complex human disease. 2002 , 190, 9-25	150
2169	Beneficial bacteria of the periodontium. 2002 , 30, 40-50	55
2168	Editorial overview. 2002 , 14, 85-86	
2167	Toll-like receptors: key mediators of microbe detection. 2002 , 14, 103-10	555
2166	Control of adaptive immune responses by Toll-like receptors. 2002 , 14, 380-3	287
2165	Interferon-producing cells: on the front line in immune responses against pathogens. 2002 , 14, 373-9	203
2164	Links between innate and adaptive immunity via type I interferon. 2002 , 14, 432-6	469
2163	Balancing protective immunity and immunopathology. 2002 , 14, 413-9	50

2162	Making and breaking tolerance. 2002 , 14, 744-59		83
2161	Structural-functional relationship of pathogen-associated molecular patterns: lessons from BCG cell wall skeleton and mycoplasma lipoprotein M161Ag. 2002 , 4, 955-61		17
2160	Genetic approaches to the study of Toll-like receptor function. 2002 , 4, 887-95		45
2159	Introduction: innate recognition of bacteria and protozoan parasites. 2002 , 4, 883-6		27
2158	Toll-like receptors: their role in allergy and non-allergic inflammatory disease. 2002 , 32, 984-9		63
2157	Regulation of the adaptive immune response to inhaled allergens. 2002 , 32, 343-4		1
2156	Heat shock proteins and innate immunity. 2002 , 127, 1-3		32
2155	Discovery of immunopotentiatory drugs: current and future strategies. 2002 , 130, 363-9		24
2154	How the gut senses its content. 2002 , 4, 61-72		103
2153	Tipping the balance between necrosis and apoptosis in human and murine cells treated with interferon and dsRNA. 2002 , 9, 981-94		117
2152	Anti-apoptotic and oncogenic properties of the dsRNA-binding protein of vaccinia virus, E3L. 2002 , 21, 8379-87		47
2151	Recent advances in understanding NF-kappaB regulation. 2002 , 8, 201-12		41
2150	The adaptor molecule TIRAP provides signalling specificity for Toll-like receptors. <i>Nature</i> , 2002 , 420, 329-33	50.4	684
2149	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. <i>Nature</i> , 2002 , 420, 324-9	50.4	809
2148	Severe impairment of interleukin-1 and Toll-like receptor signalling in mice lacking IRAK-4. <i>Nature</i> , 2002 , 416, 750-6	50.4	666
2147	RICK/Rip2/CARDIAK mediates signalling for receptors of the innate and adaptive immune systems. <i>Nature</i> , 2002 , 416, 194-9	50.4	731
2146	Drosophila innate immunity: an evolutionary perspective. 2002 , 3, 121-6		834
2145	Human TLR7 or TLR8 independently confer responsiveness to the antiviral compound R-848. 2002 , 3, 499		723

2144	Small anti-viral compounds activate immune cells via the TLR7 MyD88-dependent signaling pathway. 2002 , 3, 196-200	2003
2143	Hyporesponsiveness to vaccination with <i>Borrelia burgdorferi</i> OspA in humans and in TLR1- and TLR2-deficient mice. 2002 , 8, 878-84	356
2142	Toll-like receptors as potential therapeutic targets for multiple diseases. 2002 , 1, 797-807	168
2141	Mouse and human dendritic cell subtypes. 2002 , 2, 151-61	1826
2140	Viruses and interferon: a fight for supremacy. 2002 , 2, 675-87	876
2139	Innate immunity: the missing link in neuroprotection and neurodegeneration?. 2002 , 3, 216-27	572
2138	Susceptibility of human dendritic cells (DCs) to measles virus (MV) depends on their activation stages in conjunction with the level of CDw150: role of Toll stimulators in DC maturation and MV amplification. 2002 , 4, 785-94	40
2137	Gene-modified dendritic cells for immunotherapy against cancer. 2002 , 19, 197-211	7
2136	Mouse mammary tumor virus and the immune system. 2003 , 27, 469-80	21
2135	Innate immune responses in lupus-prone Palmerston North mice: differential responses to LPS and bacterial DNA/CpG oligonucleotides. 2003 , 23, 202-13	16
2134	Identification of antiviral-relevant genes in the cultured fish cells induced by UV-inactivated virus. 2003 , 48, 581	44
2133	Modulation of Toll-like Receptor 9 Responses through Synthetic Immunostimulatory Motifs of DNA. 2003 , 1002, 30-42	39
2132	Toll-like receptors stimulate human neutrophil function. 2003 , 102, 2660-9	699
2131	Toll-like receptors: balancing host resistance with immune tolerance. 2003 , 15, 677-82	113
2130	Transient exposure of dendritic cells to maturation stimuli is sufficient to induce complete phenotypic maturation while preserving their capacity to respond to subsequent restimulation. 2003 , 52, 445-54	24
2129	The art of war: Innate and adaptive immune responses. 2003 , 60, 2604-21	93
2128	Global profiling of double stranded RNA- and IFN-gamma-induced genes in rat pancreatic beta cells. 2003 , 46, 1641-57	58
2127	Prediction of the prototype of the human Toll-like receptor gene family from the pufferfish, <i>Fugu rubripes</i> , genome. 2003 , 54, 791-800	260

2126	Antimicrobial peptides in innate immunity of the human intestine. 2003 , 38, 717-26	43
2125	BVDV and innate immunity. 2003 , 31, 107-12	92
2124	Effect of proinflammatory cytokines on PIGA- hematopoiesis. 2003 , 31, 770-8	3
2123	Molecular mechanisms of macrophage activation and deactivation by lipopolysaccharide: roles of the receptor complex. 2003 , 100, 171-94	405
2122	The nucleocapsid of the hepatitis B virus: a remarkable immunogenic structure. 2003 , 60, 67-74	46
2121	The utility of siRNA transcripts produced by RNA polymerase i in down regulating viral gene expression and replication of negative- and positive-strand RNA viruses. 2003 , 313, 514-24	75
2120	Antigen presentation in vaccine development. 2003 , 26, 309-28	22
2119	Expression of recombinant proteins in a lipid A mutant of Escherichia coli BL21 with a strongly reduced capacity to induce dendritic cell activation and maturation. 2003 , 272, 199-210	36
2118	Role of Toll-like receptors in costimulating cytotoxic T cell responses. 2003 , 33, 1465-70	142
2117	MyD88 is essential for clearance of Leishmania major: possible role for lipophosphoglycan and Toll-like receptor 2 signaling. 2003 , 33, 2822-31	247
2116	Treponemal glycoconjugate inhibits Toll-like receptor ligand-induced cell activation by blocking LPS-binding protein and CD14 functions. 2003 , 33, 3196-204	27
2115	The Toll-like receptor 7 (TLR7)-specific stimulus loxoribine uncovers a strong relationship within the TLR7, 8 and 9 subfamily. 2003 , 33, 2987-97	445
2114	Mini-review: Regulation of cytotoxic T lymphocyte responses by dendritic cells: peaceful coexistence of cross-priming and direct priming?. 2003 , 33, 2645-54	149
2113	Oligonucleotide-based knockdown technologies: antisense versus RNA interference. 2003 , 4, 928-35	45
2112	Epitope spreading in systemic lupus erythematosus: comment on the article by Monneaux and Muller. 2003 , 48, 582-3	3
2111	Do microbes influence the pathogenesis of allergic diseases? Building the case for Toll-like receptor ligands. 2003 , 15, 614-9	28
2110	Toll-like receptor 4 is not involved in host defense against respiratory tract infection with Sendai virus. 2003 , 89, 201-6	36
2109	Some interfaces of dendritic cell biology. 2003 , 111, 675-97	234

2108	Dendritic cells in peripheral tolerance and immunity. 2003 , 111, 766-75	38
2107	MD-1 is a critical part of the mechanism causing Th1-cytokine-triggered murine fetal loss syndrome. 2003 , 49, 297-307	37
2106	Expression of allograft inflammatory factor-1 in mouse uterus and poly(I:C)-induced fetal resorption. 2003 , 50, 104-12	28
2105	Th1 cytokines and the prothrombinase fgl2 in stress-triggered and inflammatory abortion. 2003 , 49, 210-20	42
2104	Imiquimod: modes of action. 2003 , 149 Suppl 66, 5-8	95
2103	Rhinovirus increases human beta-defensin-2 and -3 mRNA expression in cultured bronchial epithelial cells. 2003 , 38, 59-64	100
2102	Ringling the interferon alarm: differential regulation of gene expression at the interface between innate and adaptive immunity. 2003 , 15, 52-8	115
2101	Mammalian Toll-like receptors. 2003 , 15, 5-11	471
2100	Toll-like receptors and innate antiviral responses. 2003 , 15, 402-7	65
2099	Pherokine-2 and -3. 2003 , 270, 3398-407	102
2098	Double-stranded RNA-exposed human keratinocytes promote Th1 responses by inducing a Type-1 polarized phenotype in dendritic cells: role of keratinocyte-derived tumor necrosis factor alpha, type I interferons, and interleukin-18. 2003 , 120, 990-7	68
2097	Toll receptors and pathogen resistance. 2003 , 5, 143-53	233
2096	Dendritic cells and host resistance to infection. 2003 , 5, 493-500	75
2095	Normal keratinocytes express Toll-like receptors (TLRs) 1, 2 and 5: modulation of TLR expression in chronic plaque psoriasis. 2003 , 148, 670-9	237
2094	Suppression of allergic reaction by lambda-carrageenan: toll-like receptor 4/MyD88-dependent and -independent modulation of immunity. 2003 , 33, 249-58	81
2093	Toll-like receptor expression in human keratinocytes: nuclear factor kappaB controlled gene activation by Staphylococcus aureus is toll-like receptor 2 but not toll-like receptor 4 or platelet activating factor receptor dependent. 2003 , 121, 1389-96	190
2092	New aspects of IFN-alpha/beta signalling in immunity, oncogenesis and bone metabolism. 2003 , 94, 405-11	65
2091	Normal development of the gut-associated lymphoid tissue except Peyer's patch in MyD88-deficient mice. 2003 , 58, 620-7	19

2090	X-ray crystal structure of IRF-3 and its functional implications. 2003 , 10, 922-7		122
2089	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. <i>Nature</i> , 2003 , 424, 324-8	50.4	501
2088	Identification of Lps2 as a key transducer of MyD88-independent TIR signalling. <i>Nature</i> , 2003 , 424, 743-8	50.4	1018
2087	Directed expression of the HIV-1 accessory protein Vpu in <i>Drosophila</i> fat-body cells inhibits Toll-dependent immune responses. 2003 , 4, 976-81		47
2086	Toll-like receptors and their role in experimental models of microbial infection. 2003 , 4, 87-94		215
2085	Adaptive and innate immune responses to gene transfer vectors: role of cytokines and chemokines in vector function. 2003 , 10, 991-8		55
2084	Immunology: another toll road. <i>Nature</i> , 2003 , 424, 736-7	50.4	26
2083	Earth science: glaciers at work. <i>Nature</i> , 2003 , 424, 737-8	50.4	3
2082	Activation of the interferon system by short-interfering RNAs. 2003 , 5, 834-9		1201
2081	Toll signaling: the TIReless quest for specificity. 2003 , 4, 105-6		63
2080	Granzyme A: the road less traveled. 2003 , 4, 106-8		13
2079	Upregulation of costimulatory molecules induced by lipopolysaccharide and double-stranded RNA occurs by Trif-dependent and Trif-independent pathways. 2003 , 4, 1223-9		378
2078	Adjuvants and their signaling pathways: beyond TLRs. 2003 , 4, 1162-4		20
2077	The NKT cell system: bridging innate and acquired immunity. 2003 , 4, 1164-5		195
2076	TICAM-1, an adaptor molecule that participates in Toll-like receptor 3-mediated interferon-beta induction. 2003 , 4, 161-7		981
2075	IKKepsilon and TBK1 are essential components of the IRF3 signaling pathway. 2003 , 4, 491-6		1987
2074	SIGIRR, a negative regulator of Toll-like receptor-interleukin 1 receptor signaling. 2003 , 4, 920-7		480
2073	TRAM is specifically involved in the Toll-like receptor 4-mediated MyD88-independent signaling pathway. 2003 , 4, 1144-50		818

2072	Alphavirus-based DNA vaccine breaks immunological tolerance by activating innate antiviral pathways. 2003 , 9, 33-9	240
2071	Activation and regulation of Toll-like receptors 2 and 1 in human leprosy. 2003 , 9, 525-32	269
2070	Hsp70 promotes antigen-presenting cell function and converts T-cell tolerance to autoimmunity in vivo. 2003 , 9, 1469-76	254
2069	Innate immune sensing and its roots: the story of endotoxin. 2003 , 3, 169-76	968
2068	Dendritic-cell control of pathogen-driven T-cell polarization. 2003 , 3, 984-93	1071
2067	Recognition of pathogen-associated molecular patterns by TLR family. 2003 , 85, 85-95	890
2066	CpG oligonucleotides with modified termini and nicked dumbbell structure show enhanced immunostimulatory activity. 2003 , 46, 5031-44	12
2065	Poly(I-C)-induced Toll-like receptor 3 (TLR3)-mediated activation of NFkappa B and MAP kinase is through an interleukin-1 receptor-associated kinase (IRAK)-independent pathway employing the signaling components TLR3-TRAF6-TAK1-TAB2-PKR. 2003 , 278, 16713-9	232
2064	Innate immune activation as a broad-spectrum biodefense strategy: prospects and research challenges. 2003 , 112, 686-94	53
2063	Toll-like receptors in health and disease: complex questions remain. 2003 , 171, 1630-5	182
2062	T-cell priming in bone marrow: the potential for long-lasting protective anti-tumor immunity. 2003 , 9, 526-34	62
2061	Impaired responses to toll-like receptor 4 and toll-like receptor 3 ligands in human cord blood. 2003 , 21, 277-81	133
2060	An angiogenic switch in macrophages involving synergy between Toll-like receptors 2, 4, 7, and 9 and adenosine A(2A) receptors. 2003 , 163, 711-21	227
2059	Toll-like receptors. 2003 , 21, 335-76	4550
2058	Self-stabilized CpG DNAs optimally activate human B cells and plasmacytoid dendritic cells. 2003 , 310, 1133-9	28
2057	Mechanism of up-regulation of human Toll-like receptor 3 secondary to infection of measles virus-attenuated strains. 2003 , 311, 39-48	83
2056	Cationic liposome-mediated delivery of siRNAs in adult mice. 2003 , 312, 1220-5	256
2055	Role of adaptor TRIF in the MyD88-independent toll-like receptor signaling pathway. 2003 , 301, 640-3	2452

2054	Role of natural interferon-alpha producing cells (plasmacytoid dendritic cells) in autoimmunity. 2003 , 36, 463-72	101
2053	Human T-cell leukemia virus type 1 Tax protein stimulates the interferon-responsive enhancer element via NF-kappaB activity. 2003 , 539, 73-7	11
2052	Neutrophil elastase up-regulates interleukin-8 via toll-like receptor 4. 2003 , 544, 129-32	187
2051	Essential roles for NF-kappa B and a Toll/IL-1 receptor domain-specific signal(s) in the induction of I kappa B-zeta. 2003 , 301, 495-501	48
2050	Down-regulation of Toll-like receptor expression in monocyte-derived Langerhans cell-like cells: implications of low-responsiveness to bacterial components in the epidermal Langerhans cells. 2003 , 306, 674-9	61
2049	Essential role of IRF-3 in lipopolysaccharide-induced interferon-beta gene expression and endotoxin shock. 2003 , 306, 860-6	212
2048	Acute ethanol administration profoundly alters poly I:C-induced cytokine expression in mice by a mechanism that is not dependent on corticosterone. 2003 , 72, 1825-39	43
2047	Differential regulation of Toll-like receptor mRNAs in experimental murine central nervous system infections. 2003 , 344, 17-20	56
2046	CpG ODN 2006 and IL-12 are comparable for priming Th1 lymphocyte and IgG responses in cattle immunized with a rickettsial outer membrane protein in alum. 2003 , 21, 3307-18	39
2045	The role of Toll-like receptor 2 in microbial disease and immunity. 2003 , 21 Suppl 2, S55-60	113
2044	Adjuvants recognized by toll-like receptors inhibit the induction of polarized type 2 T cell responses by natural attachment (G) protein of respiratory syncytial virus. 2003 , 21, 4348-58	29
2043	Prolonged effects of polyriboinosinic:polyribocytidylic acid on spontaneous running wheel activity and brain interferon-alpha mRNA in rats: a model for immunologically induced fatigue. 2003 , 120, 837-45	79
2042	TOLL-like receptors linking innate and adaptive immune response. 2003 , 91, 1-12	300
2041	Toll-like receptors and their signaling mechanisms. 2003 , 35, 555-62	213
2040	Not "molecular patterns" but molecules. 2003 , 19, 155-6	35
2039	Type 1 cytokines polarize thymocytes during T cell development in adult thymus organ cultures. 2003 , 20, 27-42	4
2038	Crosstalk between LXR and toll-like receptor signaling mediates bacterial and viral antagonism of cholesterol metabolism. 2003 , 12, 805-16	391
2037	Crystal structure of the 2'-specific and double-stranded RNA-activated interferon-induced antiviral protein 2'-5'-oligoadenylate synthetase. 2003 , 12, 1173-85	136

2036	Neutralizing interferon alpha as a therapeutic approach to autoimmune diseases. 2003 , 14, 139-54	77
2035	Therapeutic targeting of Toll-like receptors for inflammatory and infectious diseases. 2003 , 3, 396-403	138
2034	Research on complement: old issues revisited and a novel sphere of influence. 2003 , 24, 292-6	10
2033	Immune responsiveness, tolerance and dsRNA: implications for traditional paradigms. 2003 , 24, 289-93	13
2032	Influenza-virus-induced signaling cascades: targets for antiviral therapy?. 2003 , 9, 46-52	138
2031	Toll-like receptor signaling. 2003 , 278, 38105-8	549
2030	The Toll-like receptors and their role in septic shock. 2003 , 7, 603-12	47
2029	Toll-like receptors. 2003 , 809-822	
2028	Toll-like receptors and their function in innate and adaptive immunity. 2003 , 130, 180-92	127
2027	Dengue virus induces novel changes in gene expression of human umbilical vein endothelial cells. 2003 , 77, 11822-32	129
2026	Activation of toll-like receptor 2 (TLR2) and TLR4/MD2 by Neisseria is independent of capsule and lipooligosaccharide (LOS) sialylation but varies widely among LOS from different strains. 2003 , 71, 3901-8	58
2025	A subset of Toll-like receptor ligands induces cross-presentation by bone marrow-derived dendritic cells. 2003 , 170, 4102-10	253
2024	How we detect microbes and respond to them: the Toll-like receptors and their transducers. 2003 , 74, 479-85	442
2023	Type I interferon induction pathway, but not released interferon, participates in the maturation of dendritic cells induced by negative-strand RNA viruses. 2003 , 187, 1126-36	95
2022	Toll-like receptor 3 mediates a more potent antiviral response than Toll-like receptor 4. 2003 , 170, 3565-71	148
2021	Enhanced immunogenicity to Mycobacterium tuberculosis by vaccination with an alphavirus plasmid replicon expressing antigen 85A. 2003 , 71, 575-9	55
2020	Oral treponemes and their outer membrane extracts activate human gingival epithelial cells through toll-like receptor 2. 2003 , 71, 717-25	47
2019	Toll-like receptor 4-mediated innate IL-10 activates antigen-specific regulatory T cells and confers resistance to Bordetella pertussis by inhibiting inflammatory pathology. 2003 , 171, 3119-27	224

2018	Toll/IL-1 receptor domain-containing adaptor inducing IFN-beta (TRIF) associates with TNF receptor-associated factor 6 and TANK-binding kinase 1, and activates two distinct transcription factors, NF-kappa B and IFN-regulatory factor-3, in the Toll-like receptor signaling. 2003 , 171, 4304-10	565
2017	Effector CD8 T cells possess suppressor function after 4-1BB and Toll-like receptor triggering. 2003 , 100, 5348-53	61
2016	Calcium-independent phospholipase A2 mediates CREB phosphorylation in double-stranded RNA-stimulated endothelial cells. 2003 , 44, 1686-91	22
2015	Generation and analysis of Siah2 mutant mice. 2003 , 23, 9150-61	58
2014	Regulation of cyclooxygenase-2 expression by macrophages in response to double-stranded RNA and viral infection. 2003 , 170, 1070-6	44
2013	Dendritic cell responses to early murine cytomegalovirus infection: subset functional specialization and differential regulation by interferon alpha/beta. 2003 , 197, 885-98	301
2012	Double-stranded RNA signaling by Toll-like receptor 3 requires specific tyrosine residues in its cytoplasmic domain. 2003 , 278, 4393-6	94
2011	The poxvirus protein A52R targets Toll-like receptor signaling complexes to suppress host defense. 2003 , 197, 343-51	307
2010	Cutting edge: CIAS1/cryopyrin/PYPAF1/NALP3/CATERPILLER 1.1 is an inducible inflammatory mediator with NF-kappa B suppressive properties. 2003 , 171, 6329-33	161
2009	Molecular basis for the immunostimulatory activity of guanine nucleoside analogs: activation of Toll-like receptor 7. 2003 , 100, 6646-51	488
2008	Toll-like receptor signalling pathways as key targets for mediating the anti-inflammatory and immunosuppressive effects of glucocorticoids. 2003 , 179, 139-44	46
2007	Nonstructural proteins NS1 and NS2 of bovine respiratory syncytial virus block activation of interferon regulatory factor 3. 2003 , 77, 8661-8	139
2006	Toll-like receptor-mediated activation of mast cells: implications for allergic disease?. 2003 , 132, 87-97	60
2005	Infection with Theiler's murine encephalomyelitis virus directly induces proinflammatory cytokines in primary astrocytes via NF-kappaB activation: potential role for the initiation of demyelinating disease. 2003 , 77, 6322-31	79
2004	Expression and function of chemokines during viral infections: from molecular mechanisms to in vivo function. 2003 , 74, 331-43	120
2003	Role of Toll-like receptors in pathogen recognition. 2003 , 16, 637-46	413
2002	Selective contribution of IFN-alpha/beta signaling to the maturation of dendritic cells induced by double-stranded RNA or viral infection. 2003 , 100, 10872-7	310
2001	Species-specific regulation of Toll-like receptor 3 genes in men and mice. 2003 , 278, 21502-9	152

2000	Soluble branched beta-(1,4)glucans from <i>Acetobacter</i> species show strong activities to induce interleukin-12 in vitro and inhibit T-helper 2 cellular response with immunoglobulin E production in vivo. 2003 , 278, 38571-8	31
1999	Reciprocal modulation of Toll-like receptor-4 signaling pathways involving MyD88 and phosphatidylinositol 3-kinase/AKT by saturated and polyunsaturated fatty acids. 2003 , 278, 37041-51	391
1998	The interleukin 1 (IL-1) receptor accessory protein Toll/IL-1 receptor domain: analysis of putative interaction sites in vitro mutagenesis and molecular modeling. 2003 , 278, 49145-53	27
1997	Toll-like receptor 2 (TLR2) and TLR9 signaling results in HIV-long terminal repeat trans-activation and HIV replication in HIV-1 transgenic mouse spleen cells: implications of simultaneous activation of TLRs on HIV replication. 2003 , 170, 5159-64	96
1996	Dendritic cells and measles virus infection. 2003 , 276, 77-101	52
1995	Measles virus and dendritic cell functions: how specific response cohabits with immunosuppression. 2003 , 276, 103-23	43
1994	Divergent synthetic nucleotide motif recognition pattern: design and development of potent immunomodulatory oligodeoxyribonucleotide agents with distinct cytokine induction profiles. 2003 , 31, 2393-400	58
1993	Unique resistance of I/LnJ mice to a retrovirus is due to sustained interferon gamma-dependent production of virus-neutralizing antibodies. 2003 , 197, 233-43	52
1992	Subcellular localization of Toll-like receptor 3 in human dendritic cells. 2003 , 171, 3154-62	583
1991	Cutting edge: protective cell-mediated immunity to <i>Listeria monocytogenes</i> in the absence of myeloid differentiation factor 88. 2003 , 171, 533-7	64
1990	LPS-TLR4 signaling to IRF-3/7 and NF-kappaB involves the toll adapters TRAM and TRIF. 2003 , 198, 1043-55	910
1989	Autocrine type I IFN and contact with endothelium promote the presentation of influenza A virus by monocyte-derived APC. 2003 , 170, 1010-8	20
1988	Differential role of MyD88 in macrophage-mediated responses to opportunistic fungal pathogens. 2003 , 71, 5280-6	104
1987	In defense against pathogens. Both plant sentinels and foot soldiers need to know the enemy. 2003 , 131, 1580-90	111
1986	Innate immune responses to microbial poisons: discovery and function of the Toll-like receptors. 2003 , 43, 609-28	70
1985	Innate immune response against nonsegmented negative strand RNA viruses. 2003 , 23, 401-12	33
1984	TIR-containing adapter molecule (TICAM)-2, a bridging adapter recruiting to toll-like receptor 4 TICAM-1 that induces interferon-beta. 2003 , 278, 49751-62	291
1983	A transgenic mouse model genetically tags all activated CD8 T cells. 2003 , 171, 2393-401	24

1982	Toll-like receptor 2 participates in mediation of immune response in experimental pneumococcal meningitis. 2003 , 170, 438-44	188
1981	The Toll-like receptor 5 stimulus bacterial flagellin induces maturation and chemokine production in human dendritic cells. 2003 , 170, 5165-75	328
1980	Role of CD4 T cell help and costimulation in CD8 T cell responses during <i>Listeria monocytogenes</i> infection. 2003 , 170, 2053-63	138
1979	ERK activation is required for double-stranded RNA- and virus-induced interleukin-1 expression by macrophages. 2003 , 278, 16683-9	36
1978	Interferon regulatory factor-3-mediated activation of the interferon-sensitive response element by Toll-like receptor (TLR) 4 but not TLR3 requires the p65 subunit of NF-kappa. 2003 , 278, 50923-31	89
1977	Inducible systemic RNA silencing in <i>Caenorhabditis elegans</i> . 2003 , 14, 2972-83	115
1976	Treponemal phospholipids inhibit innate immune responses induced by pathogen-associated molecular patterns. 2003 , 278, 44205-13	38
1975	Expression and function of Toll-like receptors in eosinophils: activation by Toll-like receptor 7 ligand. 2003 , 171, 3977-82	239
1974	Inhibitory coreceptors activated by antigens but not by anti-Ig heavy chain antibodies install requirement of costimulation through CD40 for survival and proliferation of B cells. 2003 , 171, 1835-43	45
1973	Viral induction of inflammatory cytokines in human epithelial cells follows a p38 mitogen-activated protein kinase-dependent but NF-kappa B-independent pathway. 2003 , 171, 3768-74	48
1972	Receptors, mediators, and mechanisms involved in bacterial sepsis and septic shock. 2003 , 16, 379-414	566
1971	Toll-like receptor 4 and CD14 mRNA expression are lower in resistive exercise-trained elderly women. 2003 , 95, 1833-42	96
1970	Myeloid differentiation factor 88-dependent and -independent pathways in toll-like receptor signaling. 2003 , 187 Suppl 2, S356-63	116
1969	CD40-mediated up-regulation of Toll-like receptor 4-MD2 complex on the surface of murine dendritic cells. 2003 , 74, 1064-73	14
1968	CpG oligodeoxynucleotides modulate the osteoclastogenic activity of osteoblasts via Toll-like receptor 9. 2003 , 278, 16732-40	73
1967	Regulation of dendritic cell function through toll-like receptors. 2003 , 3, 759-71	104
1966	Signaling receptome: a genomic and evolutionary perspective of plasma membrane receptors involved in signal transduction. 2003 , 2003, RE9	81
1965	The interleukin-1 receptor/Toll-like receptor superfamily: signal transduction during inflammation and host defense. 2003 , 2003, re3	358

1964	Nuclear factor-kappaB translocation mediates double-stranded ribonucleic acid-induced NIT-1 beta-cell apoptosis and up-regulates caspase-12 and tumor necrosis factor receptor-associated ligand (TRAIL). 2003 , 144, 4616-25	31
1963	Serum and low-density lipoprotein enhance interleukin-8 secretion by airway epithelial cells. 2003 , 29, 483-9	6
1962	Double-stranded RNA induces the synthesis of specific chemokines by bronchial epithelial cells. 2003 , 28, 731-7	114
1961	Synthetic vaccines: the role of adjuvants in immune targeting. 2003 , 10, 1423-39	73
1960	Associations between toll-like receptors and interleukin-4 in the lungs of patients with tuberculosis. 2003 , 29, 28-38	29
1959	Toll-like receptors and the genetics of innate immunity. 2003 , 3, 523-9	15
1958	Viral causes of cardiac inflammation. 2003 , 18, 182-8	31
1957	Immunologic regulation of toll-like receptors in gut epithelium. 2003 , 19, 559-64	23
1956	RNase L in Health and Disease-What Did We Learn Recently?. 2003 , 11, 97-109	9
1955	Chemistry of CpG DNA. 2003 , Chapter 4, Unit 4.16	
1954	A lesson in poverty. 2003 , 139, 153	
1953	Ontogeny and innate properties of neonatal dendritic cells. 2003 , 102, 585-91	70
1952	A role for Toll-like receptors in acquired immunity: up-regulation of TLR9 by BCR triggering in naive B cells and constitutive expression in memory B cells. 2003 , 101, 4500-4	543
1951	Role of adapters in Toll-like receptor signalling. 2003 , 31, 637-42	155
1950	Toll-like receptor 9: modulation of recognition and cytokine induction by novel synthetic CpG DNAs. 2003 , 31, 654-8	35
1949	Extended Abstracts. 2003 , 21, 327-349	
1948	[Role of the innate immune response in the brain]. 2003 , 19, 981-7	11
1947	Toll-like receptor 5-mediated corneal epithelial inflammatory responses to Pseudomonas aeruginosa flagellin. 2003 , 44, 4247-54	157

1946	Empathy and the literary imagination. 2003 , 139, E156	1
1945	Propensity scores for rare outcomes and common treatments. 2003 , 139, 152-3	1
1944	The impact of methadone induction on cardiac conduction in opiate users. 2003 , 139, 154-5	64
1943	Herpes simplex virus-associated sepsis in a previously infected immunocompetent adult. 2003 , 139, 153-4	10
1942	Complementary and alternative medicine in cancer. 2003 , 139, 152; author reply 152	
1941	NF-kappaB action in sepsis: the innate immune system and the heart. 2004 , 9, 1201-17	121
1940	Interactions between NK cells and B lymphocytes. 2004 , 84, 1-42	19
1939	Toll-like receptor 2 and Toll-like receptor 4 expression in human adrenals. 2004 , 36, 470-3	58
1938	Toll-like receptor 3: a link between toll-like receptor, interferon and viruses. 2004 , 48, 147-54	139
1937	2-aminopurine inhibits lipopolysaccharide-induced nitric oxide production by preventing IFN-beta production. 2004 , 48, 957-63	31
1936	Ectopic expression of toll-like receptor-3 (TLR-3) overcomes the double-stranded RNA (dsRNA) signaling defects of P2.1 cells. 2004 , 24, 350-61	18
1935	Herpes simplex virus type-1 induces IFN-alpha production via Toll-like receptor 9-dependent and -independent pathways. 2004 , 101, 11416-21	368
1934	Toll-like receptor (TLR)-3, but not TLR4, agonist protects against genital herpes infection in the absence of inflammation seen with CpG DNA. 2004 , 190, 1841-9	124
1933	mRNA is an endogenous ligand for Toll-like receptor 3. 2004 , 279, 12542-50	742
1932	Human rhinovirus infection induces airway epithelial cell production of human beta-defensin 2 both in vitro and in vivo. 2004 , 172, 4637-45	137
1931	Lateral diffusion of Toll-like receptors reveals that they are transiently confined within lipid rafts on the plasma membrane. 2004 , 117, 4007-14	128
1930	Triggering receptor expressed on myeloid cells-1 in neutrophil inflammatory responses: differential regulation of activation and survival. 2004 , 172, 4956-63	165
1929	TLR-independent induction of dendritic cell maturation and adaptive immunity by negative-strand RNA viruses. 2004 , 173, 6882-9	124

1928	The third signal in T cell-mediated autoimmune disease?. 2004 , 173, 92-9	39
1927	Activation of airway epithelial cells by toll-like receptor agonists. 2004 , 31, 358-64	392
1926	Induction of antiviral immunity requires Toll-like receptor signaling in both stromal and dendritic cell compartments. 2004 , 101, 16274-9	101
1925	The chromatin-remodeling BAF complex mediates cellular antiviral activities by promoter priming. 2004 , 24, 4476-86	80
1924	Toll-like receptor 3-mediated activation of NF-kappaB and IRF3 diverges at Toll-IL-1 receptor domain-containing adapter inducing IFN-beta. 2004 , 101, 3533-8	308
1923	Endogenous ligands of Toll-like receptors. 2004 , 76, 514-9	540
1922	The effect of innate immunity on autoimmune diabetes and the expression of Toll-like receptors on pancreatic islets. 2004 , 172, 3173-80	114
1921	MyD88 plays a unique role in host defense but not arthritis development in Lyme disease. 2004 , 173, 2003-10	122
1920	Toll-like receptor 9-dependent and -independent dendritic cell activation by chromatin-immunoglobulin G complexes. 2004 , 199, 1631-40	434
1919	Replication-dependent potent IFN-alpha induction in human plasmacytoid dendritic cells by a single-stranded RNA virus. 2004 , 173, 5935-43	175
1918	Human macrophages, but not dendritic cells, are activated and produce alpha/beta interferons in response to Mopeia virus infection. 2004 , 78, 10516-24	57
1917	Activation of naive CD4+ T cells in vivo by a self-peptide mimic: mechanism of tolerance maintenance and preservation of immunity. 2004 , 172, 7399-407	6
1916	Toll IL-1 receptors differ in their ability to promote the stabilization of adenosine and uridine-rich elements containing mRNA. 2004 , 173, 2755-61	26
1915	Arthritogenic properties of double-stranded (viral) RNA. 2004 , 172, 5656-63	79
1914	APC-independent activation of NK cells by the Toll-like receptor 3 agonist double-stranded RNA. 2004 , 172, 138-43	206
1913	Effects of length and location on the cellular response to double-stranded RNA. 2004 , 68, 432-52, table of contents	86
1912	Toll-like receptor 9 can be expressed at the cell surface of distinct populations of tonsils and human peripheral blood mononuclear cells. 2004 , 72, 7202-11	73
1911	Signaling of apoptosis through TLRs critically involves toll/IL-1 receptor domain-containing adapter inducing IFN-beta, but not MyD88, in bacteria-infected murine macrophages. 2004 , 173, 3320-8	143

1910	Biology of Toll receptors: lessons from insects and mammals. 2004 , 75, 18-26	115
1909	Injury, sepsis, and the regulation of Toll-like receptor responses. 2004 , 75, 400-7	113
1908	CRM1-dependent, but not ARE-mediated, nuclear export of IFN-alpha1 mRNA. 2004 , 117, 2259-70	52
1907	Synergistic activation of innate immunity by double-stranded RNA and CpG DNA promotes enhanced antitumor activity. 2004 , 64, 5850-60	152
1906	Autoimmune diabetes and the circle of tolerance. 2004 , 53, 267-75	49
1905	Toll-like receptors: emerging targets of immunomodulation. 2004 , 14, 85-100	7
1904	Endotoxin signaling in human macrophages: signaling via an alternate mechanism. 2004 , 10, 445-452	4
1903	Differential requirement for TANK-binding kinase-1 in type I interferon responses to toll-like receptor activation and viral infection. 2004 , 199, 1651-8	310
1902	Rat models of type 1 diabetes: genetics, environment, and autoimmunity. 2004 , 45, 278-91	135
1901	Impact of alpha interferon and ribavirin on the function of maturing dendritic cells. 2004 , 48, 3382-9	50
1900	Intact gram-negative Helicobacter pylori, Helicobacter felis, and Helicobacter hepaticus bacteria activate innate immunity via toll-like receptor 2 but not toll-like receptor 4. 2004 , 72, 6446-54	184
1899	Role of MyD88 in diminished tumor necrosis factor alpha production by newborn mononuclear cells in response to lipopolysaccharide. 2004 , 72, 1223-9	132
1898	Mechanisms of the TRIF-induced interferon-stimulated response element and NF-kappaB activation and apoptosis pathways. 2004 , 279, 15652-61	201
1897	Protein kinase R (PKR) interacts with and activates mitogen-activated protein kinase kinase 6 (MKK6) in response to double-stranded RNA stimulation. 2004 , 279, 37670-6	83
1896	Impact of modifications of heterocyclic bases in CpG dinucleotides on their immune-modulatory activity. 2004 , 76, 585-93	14
1895	Prolonged Toll-like receptor stimulation leads to down-regulation of IRAK-4 protein. 2004 , 76, 904-8	34
1894	Handbook of Cancer Vaccines. 2004 ,	5
1893	Immunobiology of Organ Transplantation. 2004 ,	2

1892	Viral respiratory infection and the link to asthma. 2004 , 23, S78-86	53
1891	Changes in gene expression induced by phosphorothioate oligodeoxynucleotides (including G3139) in PC3 prostate carcinoma cells are recapitulated at least in part by treatment with interferon-beta and -gamma. 2004 , 10, 3678-88	29
1890	A vitamin D analog down-regulates proinflammatory chemokine production by pancreatic islets inhibiting T cell recruitment and type 1 diabetes development. 2004 , 173, 2280-7	154
1889	Exosomes as potent cell-free peptide-based vaccine. II. Exosomes in CpG adjuvants efficiently prime naive Tc1 lymphocytes leading to tumor rejection. 2004 , 172, 2137-46	204
1888	Lymphoid hyperplasia resulting in immune dysregulation is caused by porcine reproductive and respiratory syndrome virus infection in neonatal pigs. 2004 , 172, 1916-25	61
1887	Lassa virus infection of human dendritic cells and macrophages is productive but fails to activate cells. 2004 , 172, 2861-9	161
1886	Toll-like receptors are temporally involved in host defense. 2004 , 172, 4463-9	176
1885	Deficiencies in gut NK cell number and function precede diabetes onset in BB rats. 2004 , 172, 5356-62	29
1884	Selective impairments in dendritic cell-associated function distinguish hepatitis C virus and HIV infection. 2004 , 172, 4907-16	147
1883	Viral activation of macrophages through TLR-dependent and -independent pathways. 2004 , 173, 6890-8	103
1882	Toll-like receptor ligands directly promote activated CD4+ T cell survival. 2004 , 172, 6065-73	322
1881	TLR3-, TLR7-, and TLR9-mediated production of proinflammatory cytokines and chemokines from murine connective tissue type skin-derived mast cells but not from bone marrow-derived mast cells. 2004 , 173, 531-41	215
1880	Role for bovine viral diarrhea virus Erns glycoprotein in the control of activation of beta interferon by double-stranded RNA. 2004 , 78, 136-45	90
1879	Cutting edge: TNFR-associated factor (TRAF) 6 is essential for MyD88-dependent pathway but not toll/IL-1 receptor domain-containing adaptor-inducing IFN-beta (TRIF)-dependent pathway in TLR signaling. 2004 , 173, 2913-7	235
1878	Suppression of innate immunity by acute ethanol administration: a global perspective and a new mechanism beginning with inhibition of signaling through TLR3. 2004 , 173, 2715-24	78
1877	An apoptotic signaling pathway in the interferon antiviral response mediated by RNase L and c-Jun NH2-terminal kinase. 2004 , 279, 1123-31	106
1876	IFN-alpha sensitizes human umbilical vein endothelial cells to apoptosis induced by double-stranded RNA. 2004 , 172, 1699-710	51
1875	IFN regulatory factor 3-dependent induction of type I IFNs by intracellular bacteria is mediated by a TLR- and Nod2-independent mechanism. 2004 , 173, 7416-25	171

1874	Lipopolysaccharide and double-stranded RNA up-regulate toll-like receptor 2 independently of myeloid differentiation factor 88. 2004 , 279, 39727-35	45
1873	Small interfering RNAs mediate sequence-independent gene suppression and induce immune activation by signaling through toll-like receptor 3. 2004 , 172, 6545-9	386
1872	TLR7: A new sensor of viral infection. 2004 , 101, 6835-6	129
1871	LPS, dsRNA and the interferon bridge to adaptive immune responses: Trif, Tram, and other TIR adaptor proteins. 2004 , 10, 130-136	27
1870	A specific gene expression program triggered by Gram-positive bacteria in the cytosol. 2004 , 101, 11386-91	164
1869	Ligand-regulated chimeric receptor approach reveals distinctive subcellular localization and signaling properties of the Toll-like receptors. 2004 , 279, 19008-17	187
1868	Herpes simplex virus 1 interaction with Toll-like receptor 2 contributes to lethal encephalitis. 2004 , 101, 1315-20	500
1867	The roles of two IkappaB kinase-related kinases in lipopolysaccharide and double stranded RNA signaling and viral infection. 2004 , 199, 1641-50	469
1866	IFN-regulatory factor 3-dependent gene expression is defective in Tbk1-deficient mouse embryonic fibroblasts. 2004 , 101, 233-8	450
1865	Diesel exhaust particles suppress in vivo IFN-gamma production by inhibiting cytokine effects on NK and NKT cells. 2004 , 172, 3808-13	47
1864	Contribution of Toll-like receptor 9 signaling to the acute inflammatory response to nonviral vectors. 2004 , 9, 241-8	75
1863	Lack of Toll-like receptor 4 or myeloid differentiation factor 88 reduces atherosclerosis and alters plaque phenotype in mice deficient in apolipoprotein E. 2004 , 101, 10679-84	822
1862	Viral vectors for inducing CD8+ T cell responses. 2004 , 4, 861-8	21
1861	Toll-like receptor 4 signaling by intestinal microbes influences susceptibility to food allergy. 2004 , 172, 6978-87	295
1860	Shielding the double-edged sword: negative regulation of the innate immune system. 2004 , 75, 428-33	64
1859	Innate sensing of viruses by toll-like receptors. 2004 , 78, 7867-73	203
1858	Activation of TBK1 and IKKvarepsilon kinases by vesicular stomatitis virus infection and the role of viral ribonucleoprotein in the development of interferon antiviral immunity. 2004 , 78, 10636-49	150
1857	Interferon response induced by Toll-like receptor signaling. 2004 , 10, 252-6	38

1856	Toll-like receptors: function and roles in lung disease. 2004 , 286, L887-92	152
1855	TRAF family proteins link PKR with NF-kappa B activation. 2004 , 24, 4502-12	121
1854	Host defense function of the airway epithelium in health and disease: clinical background. 2004 , 75, 5-17	116
1853	Signaling danger: toll-like receptors and their potential roles in kidney disease. 2004 , 15, 854-67	301
1852	Endotoxin signaling in human macrophages: signaling via an alternate mechanism. 2004 , 10, 445-52	5
1851	LPS, dsRNA and the interferon bridge to adaptive immune responses: Trif, Tram, and other TIR adaptor proteins. 2004 , 10, 130-6	54
1850	An association study of asthma and total serum immunoglobulin E levels for Toll-like receptor polymorphisms in a Japanese population. 2004 , 34, 177-83	155
1849	Double-stranded RNA activates RANTES gene transcription through co-operation of nuclear factor-kappaB and interferon regulatory factors in human airway epithelial cells. 2004 , 34, 745-52	46
1848	Toll-like receptor (TLR) expression and TLR-mediated cytokine/chemokine production by human uterine epithelial cells. 2004 , 112, 428-36	258
1847	Polyinosinic-polycytidylic acid-mediated stimulation of human gammadelta T cells via CD11c dendritic cell-derived type I interferons. 2004 , 112, 369-77	55
1846	Oligodeoxynucleotides lacking CpG dinucleotides mediate Toll-like receptor 9 dependent T helper type 2 biased immune stimulation. 2004 , 113, 212-23	119
1845	Minireview: functions of the renal tract epithelium in coordinating the innate immune response to infection. 2004 , 66, 1334-44	43
1844	Development of a nasal vaccine for chronic hepatitis B infection that uses the ability of hepatitis B core antigen to stimulate a strong Th1 response against hepatitis B surface antigen. 2004 , 82, 539-46	57
1843	Modulation of the innate immune response within the periodontium. 2004 , 35, 53-74	101
1842	Baculovirus and dsRNA induce Hemolin, but no antibacterial activity, in <i>Antheraea pernyi</i> . 2004 , 13, 399-405	59
1841	RNA silencing: no mercy for viruses?. 2004 , 198, 285-303	79
1840	Modulating vaccine responses with dendritic cells and Toll-like receptors. 2004 , 199, 227-50	259
1839	Role of the Toll/interleukin-1 receptor signaling pathway in host resistance and pathogenesis during infection with protozoan parasites. 2004 , 201, 9-25	78

1838	Is targeting Toll-like receptors and their signaling pathway a useful therapeutic approach to modulating cytokine-driven inflammation?. 2004 , 202, 250-65	152
1837	Induction of allergic inflammation by interleukin-18 in experimental animal models. 2004 , 202, 115-38	68
1836	Lack of interferon response in animals to naked siRNAs. 2004 , 22, 1579-82	159
1835	Role of Toll-like receptors in antisense and siRNA [corrected]. 2004 , 22, 1533-7	108
1834	The extracellular matrix protein mindin is a pattern-recognition molecule for microbial pathogens. 2004 , 5, 88-97	132
1833	Persistent Toll-like receptor signals are required for reversal of regulatory T cell-mediated CD8 tolerance. 2004 , 5, 508-15	358
1832	RIP1 is an essential mediator of Toll-like receptor 3-induced NF-kappa B activation. 2004 , 5, 503-7	657
1831	The RNA helicase RIG-I has an essential function in double-stranded RNA-induced innate antiviral responses. 2004 , 5, 730-7	2998
1830	Interferon-alpha induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. 2004 , 5, 1061-8	790
1829	From plankton to pathogen recognition. 2004 , 10, 1173-4	20
1828	Toll-like receptor 3 mediates West Nile virus entry into the brain causing lethal encephalitis. 2004 , 10, 1366-73	899
1827	Lymphoid follicle destruction and immunosuppression after repeated CpG oligodeoxynucleotide administration. 2004 , 10, 187-92	382
1826	Toll-like receptor signalling. 2004 , 4, 499-511	6402
1825	The exonuclease ISG20 is directly induced by synthetic dsRNA via NF-kappaB and IRF1 activation. 2004 , 23, 4636-40	36
1824	Novel roles of TLR3 tyrosine phosphorylation and PI3 kinase in double-stranded RNA signaling. 2004 , 11, 1060-7	303
1823	Regulation of Toll/IL-1-receptor-mediated gene expression by the inducible nuclear protein I kappaBzeta. <i>Nature</i> , 2004 , 430, 218-22	50.4 392
1822	Regulation of innate and adaptive immune responses by MAP kinase phosphatase 5. <i>Nature</i> , 2004 , 430, 793-7	50.4 208
1821	A FADD-dependent innate immune mechanism in mammalian cells. <i>Nature</i> , 2004 , 432, 401-5	50.4 243

1820	Knockdown by RNAi-proceed with caution. 2004 , 22, 280-2	22
1819	Rapid and inexpensive real-time PCR for genotyping functional polymorphisms within the Toll-like receptor -2, -4, and -9 genes. 2004 , 285, 281-91	52
1818	The scope and activation mechanisms of chemokine gene expression in primary astrocytes following infection with Theiler's virus. 2004 , 149, 121-9	40
1817	Innate immunity in the retina: Toll-like receptor (TLR) signaling in human retinal pigment epithelial cells. 2004 , 153, 7-15	185
1816	Novel functions of proteins encoded by viral stress-inducible genes. 2004 , 103, 245-59	131
1815	Does Toll-like receptor 3 play a biological role in virus infections?. 2004 , 322, 231-8	307
1814	Determinants of interferon-stimulated gene induction by RNAi vectors. 2004 , 72, 103-11	145
1813	Flagellin acting via TLR5 is the major activator of key signaling pathways leading to NF-kappa B and proinflammatory gene program activation in intestinal epithelial cells. 2004 , 4, 33	134
1812	Molecular mechanisms involved in the pathogenesis of septic shock. 2004 , 35, 465-79	75
1811	Normal differentiation and functions of mouse dendritic cells derived from RAG-deficient bone marrow progenitors. 2004 , 228, 8-14	13
1810	The critical DNA flanking sequences of a CpG oligodeoxynucleotide, but not the 6 base CpG motif, can be replaced with RNA without quantitative or qualitative changes in Toll-like receptor 9-mediated activity. 2004 , 232, 64-74	25
1809	Microbes and their products--physiological effects upon mammalian mucosa. 2004 , 56, 727-62	10
1808	Early induction of interferon-responsive mRNAs in Creutzfeldt-Jakob disease. 2004 , 10, 29-40	36
1807	Immunity to influenza: the challenges of protecting an aging population. 2004 , 29, 113-24	63
1806	Innate immunity: an overview. 2004 , 40, 845-59	806
1805	Induction and regulation of IFNs during viral infections. 2004 , 24, 439-54	321
1804	Danger, death and DNA vaccines. 2004 , 6, 319-27	20
1803	Viruses and Toll-like receptors. 2004 , 6, 1356-60	46

1802	Comparative mapping of rat Iddm4 to segments on HSA7 and MMU6. 2004 , 15, 53-61	5
1801	Characterization of gene structure and expression of two toll-like receptors from Japanese flounder, <i>Paralichthys olivaceus</i> . 2004 , 56, 38-46	112
1800	Toll-like Receptors and Sepsis. 2004 , 6, 361-366	26
1799	Toll-like receptors and immune response in allergic disease. 2004 , 26, 115-25	47
1798	Differential expression and function of Toll-like receptors in Langerhans cells: comparison with splenic dendritic cells. 2004 , 122, 95-102	73
1797	Characterization of flagellin expression and its role in <i>Listeria monocytogenes</i> infection and immunity. 2004 , 6, 235-42	126
1796	Induction of interferon-alpha production in plasmacytoid dendritic cells by immune complexes containing nucleic acid released by necrotic or late apoptotic cells and lupus IgG. 2004 , 50, 1861-72	403
1795	U1 RNA induces innate immunity signaling. 2004 , 50, 2891-6	66
1794	Characterization of three CpG oligodeoxynucleotide classes with distinct immunostimulatory activities. 2004 , 34, 251-62	480
1793	Toll-like receptor stimulation induces airway hyper-responsiveness to bradykinin, an effect mediated by JNK and NF-kappa B signaling pathways. 2004 , 34, 1196-207	84
1792	Maintenance of memory CTL responses by T helper cells and CD40-CD40 ligand: antibodies provide the key. 2004 , 34, 317-26	56
1791	Direct enumeration and functional assessment of circulating dendritic cells in patients with liver disease. 2004 , 40, 335-45	106
1790	Viral appropriation of apoptotic and NF-kappaB signaling pathways. 2004 , 91, 1099-108	38
1789	Phylogenetics in the bioinformatics culture of understanding. 2004 , 5, 128-46	10
1788	Genetic analysis of innate immunity: TIR adapter proteins in innate and adaptive immune responses. 2004 , 6, 1374-81	23
1787	Toll-like receptors: linking innate and adaptive immunity. 2004 , 6, 1382-7	349
1786	Pleiotropic function of Toll-like receptors. 2004 , 6, 1388-94	105
1785	Acute exposure to ethanol affects Toll-like receptor signaling and subsequent responses: an overview of recent studies. 2004 , 33, 235-9	40

1784	Microbial-gut interactions in health and disease. Immune responses. 2004 , 18, 271-85	34
1783	Toll-like receptors induce a phagocytic gene program through p38. 2004 , 199, 81-90	322
1782	Toll-like receptors as key mediators in innate antifungal immunity. 2004 , 42, 485-98	177
1781	Induction of human dendritic cell maturation using transfection with RNA encoding a dominant positive toll-like receptor 4. 2004 , 172, 7162-8	57
1780	Induction of antiviral immunity by double-stranded RNA in a marine invertebrate. 2004 , 78, 10442-8	226
1779	Microglia initiate central nervous system innate and adaptive immune responses through multiple TLRs. 2004 , 173, 3916-24	909
1778	CpG and double-stranded RNA trigger human NK cells by Toll-like receptors: induction of cytokine release and cytotoxicity against tumors and dendritic cells. 2004 , 101, 10116-21	371
1777	Messenger RNA-based vaccines. 2004 , 4, 1285-94	105
1776	The plant virus Tomato Spotted Wilt Tospovirus activates the immune system of its main insect vector, <i>Frankliniella occidentalis</i> . 2004 , 78, 4976-82	67
1775	The viral mimic, polyinosinic:polycytidylic acid, induces fever in rats via an interleukin-1-dependent mechanism. 2004 , 287, R759-66	211
1774	Innate immunity in the lung: how epithelial cells fight against respiratory pathogens. 2004 , 23, 327-33	424
1773	Investigating the role of 2-phenylpropanal in felbamate-induced idiosyncratic drug reactions. 2004 , 17, 1568-76	31
1772	Toll-like receptors 9 and 3 as essential components of innate immune defense against mouse cytomegalovirus infection. 2004 , 101, 3516-21	766
1771	Récepteurs de type Toll, réponse inflammatoire et sepsis. 2004 , 13, 167-175	2
1770	Inhibition of IL-10 receptor function in alveolar macrophages by Toll-like receptor agonists. 2004 , 172, 2613-20	82
1769	Functions of Toll-like receptors: lessons from KO mice. 2004 , 327, 581-581	
1768	DNA from probiotic bacteria modulates murine and human epithelial and immune function. 2004 , 126, 1358-73	258
1767	Negative regulation of liver regeneration by innate immunity (natural killer cells/interferon-gamma). 2004 , 127, 1525-39	139

1766	Mast cells in innate immunity. 2004 , 114, 21-7	156
1765	Microbial recognition by Toll-like receptors. 2004 , 34, 73-82	211
1764	Exogenous siRNA mediates sequence-independent gene suppression by signaling through toll-like receptor 3. 2004 , 177, 132-8	68
1763	Hepatitis Prevention and Treatment. 2004 ,	
1762	The stimulation of Toll-like receptors by nuclear antigens: a link between apoptosis and autoimmunity. 2004 , 30, 559-74, ix	22
1761	Interferon response induced by Toll-like receptor signaling. 2004 , 10, 252-256	36
1760	Investigating pathogen-specific TLR signaling of innate immune cells for biosensor applications.	
1759	Species-specific recognition of single-stranded RNA via toll-like receptor 7 and 8. 2004 , 303, 1526-9	2925
1758	Forward genetic dissection of afferent immunity: the role of TIR adapter proteins in innate and adaptive immune responses. 2004 , 327, 571-80	24
1757	Functions of toll-like receptors: lessons from KO mice. 2004 , 327, 581-9	143
1756	An Mx1 promoter-reporter system to study interferon pathways in rainbow trout. 2004 , 28, 793-801	72
1755	Nuclear factor kappa B--molecular biomedicine: the next generation. 2004 , 58, 365-71	86
1754	Long double-stranded RNA-mediated RNA interference as a tool to achieve site-specific silencing of hypothalamic neuropeptides. 2004 , 13, 115-25	32
1753	Rac1 and PAK1 are upstream of IKK-epsilon and TBK-1 in the viral activation of interferon regulatory factor-3. 2004 , 567, 230-8	106
1752	PIASy represses TRIF-induced ISRE and NF-kappaB activation but not apoptosis. 2004 , 570, 97-101	39
1751	Distinct phases in recovery of reconstituted innate cellular-mediated immunity after murine syngeneic bone marrow transplantation. 2004 , 10, 834-47	17
1750	Langerhans cells exhibit low responsiveness to double-stranded RNA. 2004 , 319, 832-9	31
1749	Porcine reproductive and respiratory syndrome virus field isolates differ in in vitro interferon phenotypes. 2004 , 102, 217-31	79

1748	Dietary nucleotides and intestinal cell lines: I. modulation of growth. 2004 , 24, 197-207	26
1747	TLR signaling pathways. 2004 , 16, 3-9	1685
1746	Toll-like receptors and dendritic cells: for whom the bug tolls. 2004 , 16, 27-34	273
1745	The role of Toll-like receptors in combating mycobacteria. 2004 , 16, 35-41	122
1744	Toll-like receptors and acquired immunity. 2004 , 16, 23-6	161
1743	The functional consequences of delivery of HIV-1 Nef to dendritic cells using an adenoviral vector. 2004 , 22, 528-35	10
1742	Maturation of dendritic cells by bacterial immunomodulators. 2004 , 22, 2761-8	38
1741	Host cell-pathogen interface: molecular mechanisms and genetics. 2004 , 22 Suppl 1, S21-4	7
1740	Genetic differentiation of poly I:C from B:9-23 peptide induced experimental autoimmune diabetes. 2004 , 22, 307-13	9
1739	C-Class CpG ODN: sequence requirements and characterization of immunostimulatory activities on mRNA level. 2004 , 209, 141-54	58
1738	The two NF-kappaB activation pathways and their role in innate and adaptive immunity. 2004 , 25, 280-8	2540
1737	Alteration of gene expression in human middle ear epithelial cells induced by influenza A virus and its implication for the pathogenesis of otitis media. 2004 , 37, 193-204	34
1736	Toll-like receptor gene family and TIR-domain adapters in Danio rerio. 2004 , 40, 759-71	349
1735	TIR domain-containing adapters define the specificity of TLR signaling. 2004 , 40, 861-8	289
1734	Genetic dissection of antigen receptor induced-NF-kappaB activation. 2004 , 41, 701-14	40
1733	CD8+ T-cell priming regulated by cytokines of the innate immune system. 2004 , 10, 366-71	15
1732	Innate immunity and toll-like receptors: clinical implications of basic science research. 2004 , 144, 421-9	146
1731	PAN1/NALP2/PYPAF2, an inducible inflammatory mediator that regulates NF-kappaB and caspase-1 activation in macrophages. 2004 , 279, 51897-907	120

1730	Role of protein kinase R in double-stranded RNA-induced expression of nitric oxide synthase in human astroglia. 2004 , 563, 223-8	41
1729	Activation of mast cells by double-stranded RNA: evidence for activation through Toll-like receptor 3. 2004 , 114, 174-82	284
1728	Recognition of single-stranded RNA viruses by Toll-like receptor 7. 2004 , 101, 5598-603	1433
1727	Molecular characterization and IFN signal pathway analysis of <i>Carassius auratus</i> CaSTAT1 identified from the cultured cells in response to virus infection. 2004 , 28, 211-27	56
1726	Interferon-alpha in systemic lupus erythematosus. 2004 , 16, 541-7	112
1725	Interindividual variation in the response by fibrinogen, C-reactive protein and interleukin-6 to yellow fever vaccination. 2004 , 15, 399-404	24
1724	Bacterial DNA and RNA induce rat cardiac myocyte contraction depression in vitro. 2004 , 21, 364-9	17
1723	Ex vivo depletion of alloreactive cells based on CFSE dye dilution, activation antigen selection, and dendritic cell stimulation. 2004 , 103, 1158-65	69
1722	p38 MAPK activation controls the TLR3-mediated up-regulation of cytotoxicity and cytokine production in human NK cells. 2004 , 104, 4157-64	99
1721	RNA interference and double-stranded-RNA-activated pathways. 2004 , 32, 952-6	94
1720	Vaccination and Autoimmunity. 2004 ,	
1719	Toll-like receptors and the eye. 2005 , 5, 451-8	11
1718	Thematic review series: The immune system and atherogenesis. Paying the price for pathogen protection: toll receptors in atherogenesis. 2005 , 46, 404-11	85
1717	Spinal cord glia activation following peripheral polyinosine-polycytidylic acid administration. 2005 , 16, 1495-9	6
1716	Defining the antigen-specific T-cell response to vaccination and poly(I:C)/TLR3 signaling: evidence of enhanced primary and memory CD8 T-cell responses and antitumor immunity. 2005 , 28, 220-8	113
1715	Th1-polarizing capacity of clinical-grade dendritic cells is triggered by Ribomunyl but is compromised by PGE2: the importance of maturation cocktails. 2005 , 28, 480-7	47
1714	The Induction of Dendritic Cell Activation and Maturation by Toll-Like Receptor Signaling. 2005 , 147-161	
1713	Structures and Motifs Involved in Toll Signaling. 2005 , 56-93	2

1712	Toll-Like Receptor-Dependent Activation of Antigen Presenting Cells by Hsp60, gp96 and Hsp70. 2005 , 113-132	7
1711	Double-stranded RNA stimulates the expression of monocyte chemoattractant protein-1 in BEAS-2B bronchial epithelial cells. 2005 , 31, 361-75	8
1710	Toll-like receptors and chronic lung disease. 2005 , 109, 125-33	59
1709	PPAR-gamma agonists inhibit toll-like receptor-mediated activation of dendritic cells via the MAP kinase and NF-kappaB pathways. 2005 , 106, 3888-94	153
1708	Toll-like Receptor 9 and Autoimmunity. 2005 , 17-25	
1707	Tissue-specific mRNA expression profiles of human toll-like receptors and related genes. 2005 , 28, 886-92	358
1706	[The role of mast cells in allergic inflammation--from the view point of innate immune system involvement]. 2005 , 125, 259-64	1
1705	Impaired recognition by Toll-like receptor 4 is responsible for exacerbated murine Pneumocystis pneumonia. 2005 , 7, 195-203	35
1704	Interferons (IFNs) are key cytokines in both innate and adaptive antiviral immune responses--and viruses counteract IFN action. 2005 , 7, 569-78	76
1703	Towards an immuno-precipitated neurodevelopmental animal model of schizophrenia. 2005 , 29, 913-47	377
1702	Toll-like receptor activation in the pathogenesis of systemic lupus erythematosus. 2005 , 1062, 242-51	43
1701	Pathogen recognition with Toll-like receptors. 2005 , 17, 338-44	443
1700	Dendritic cells: sentinels of immunity and tolerance. 2005 , 81, 197-203	46
1699	Immunity in response to particulate antigen-delivery systems. 2005 , 57, 333-55	242
1698	TLRs as bacterial sensors. 2006 , 1-17	1
1697	Toll-like receptors as key sensors of viral infection. 2006 , 143-171	1
1696	HLA class I transgenic mice: development, utilisation and improvement. 2005 , 5, 919-38	33
1695	Synthetic double-stranded RNA poly(I:C) combined with mucosal vaccine protects against influenza virus infection. 2005 , 79, 2910-9	207

1694	Toll-like receptors: linking innate and adaptive immunity. 2005 , 560, 11-8	379
1693	Enhanced expression of brain interferon-alpha and serotonin transporter in immunologically induced fatigue in rats. 2005 , 22, 2817-26	62
1692	Engagement of Toll-like receptors by mycoplasmal superantigen: downregulation of TLR2 by MAM/TLR4 interaction. 2005 , 7, 789-97	23
1691	Toll-like receptor 3 gene polymorphisms in South African Blacks with type 1 diabetes. 2005 , 66, 125-30	49
1690	Immune responses to dsRNA: implications for gene silencing technologies. 2005 , 83, 211-6	67
1689	Various members of the Toll-like receptor family contribute to the innate immune response of human epidermal keratinocytes. 2005 , 114, 531-41	277
1688	Toll-like receptors-2, -3 and -4 expression patterns on human colon and their regulation by mucosal-associated bacteria. 2005 , 115, 565-74	220
1687	Mechanisms of respiratory virus-induced asthma exacerbations. 2005 , 35, 137-45	32
1686	Percutaneous application of peptidoglycan from Staphylococcus aureus induces an increase in mast cell numbers in the dermis of mice. 2005 , 35, 382-7	20
1685	Common and distinct signalling cascades in the production of tumour necrosis factor-alpha and interleukin-13 induced by lipopolysaccharide in RBL-2H3 cells. 2005 , 35, 635-42	19
1684	Evidence for involvement of peptidoglycan in the triggering of an oxidative burst by Listeria monocytogenes in phagocytes. 2005 , 140, 73-80	17
1683	Mammalian Toll-like receptors: to immunity and beyond. 2005 , 140, 395-407	168
1682	Sequence-dependent stimulation of the mammalian innate immune response by synthetic siRNA. 2005 , 23, 457-62	984
1681	Selected Toll-like receptor agonist combinations synergistically trigger a T helper type 1-polarizing program in dendritic cells. 2005 , 6, 769-76	948
1680	Sustained localized expression of ligand for the activating NKG2D receptor impairs natural cytotoxicity in vivo and reduces tumor immunosurveillance. 2005 , 6, 928-37	348
1679	IPS-1, an adaptor triggering RIG-I- and Mda5-mediated type I interferon induction. 2005 , 6, 981-8	1954
1678	Toll-like receptor engagement converts T-cell autoreactivity into overt autoimmune disease. 2005 , 11, 138-45	316
1677	Sequence-specific potent induction of IFN-alpha by short interfering RNA in plasmacytoid dendritic cells through TLR7. 2005 , 11, 263-70	1026

1676	Regulation of lung injury and repair by Toll-like receptors and hyaluronan. 2005 , 11, 1173-9	1133
1675	The yin and yang of type I interferon activity in bacterial infection. 2005 , 5, 675-87	365
1674	The dsRNA-dependent protein kinase, PKR and cell death. 2005 , 12, 563-70	70
1673	Selective gene transfer in vitro to tumor cells via recombinant Newcastle disease virus. 2005 , 12, 295-303	24
1672	The host type I interferon response to viral and bacterial infections. 2005 , 15, 407-22	252
1671	SIKE is an IKK epsilon/TBK1-associated suppressor of TLR3- and virus-triggered IRF-3 activation pathways. 2005 , 24, 4018-28	122
1670	TLR agonists regulate PDGF-B production and cell proliferation through TGF-beta/type I IFN crosstalk. 2005 , 24, 4071-81	35
1669	Detection of foreign RNA: implications for RNAi. 2005 , 83, 224-8	37
1668	Poly I-C induces early embryo loss in f344 rats: a potential role for NK cells. 2005 , 54, 49-53	8
1667	The physiological regulation of toll-like receptor expression and function in humans. 2005 , 563, 945-55	116
1666	Integral role of IRF-5 in the gene induction programme activated by Toll-like receptors. <i>Nature</i> , 2005 , 434, 243-9	50.4 776
1665	Toll-like receptor 3 promotes cross-priming to virus-infected cells. <i>Nature</i> , 2005 , 433, 887-92	50.4 715
1664	Regulation and signal transduction of toll-like receptors in human chorioncarcinoma cell lines. 2005 , 53, 77-84	37
1663	The role of toll-like receptors in the pathogenesis and treatment of dermatological disease. 2005 , 125, 1-8	145
1662	Old meets new: the interaction between innate and adaptive immunity. 2005 , 125, 629-37	111
1661	Toll-like receptors, endogenous ligands, and systemic autoimmune disease. 2005 , 204, 27-42	337
1660	Dendritic cells in viral pathogenesis: protective or defective?. 2005 , 86, 187-204	40
1659	Mechanisms of innate immune responses mediated by Toll-like receptors. 2005 , 5, 167-183	5

1658	Viral immunity: cross-priming with the help of TLR3. 2005 , 15, R336-9	26
1657	Innate immune responses to dengue virus. 2005 , 36, 425-35	101
1656	Pulmonary DNA vaccination: concepts, possibilities and perspectives. 2005 , 107, 1-29	63
1655	Dietary nucleotides and human immune cells. II. Modulation of PBMC growth and cytokine secretion. 2005 , 21, 1003-9	8
1654	Preferential expression and function of Toll-like receptor 3 in human astrocytes. 2005 , 159, 12-9	212
1653	Microglia activation in rat spinal cord by systemic injection of TLR3 and TLR7/8 agonists. 2005 , 164, 154-60	36
1652	In response to pathogens, glial cells dynamically and differentially regulate Toll-like receptor gene expression. 2005 , 169, 116-25	85
1651	Thogoto virus ML protein suppresses IRF3 function. 2005 , 331, 63-72	55
1650	Induction and mode of action of the viral stress-inducible murine proteins, P56 and P54. 2005 , 340, 116-24	61
1649	Role of double-stranded RNA and Npro of classical swine fever virus in the activation of monocyte-derived dendritic cells. 2005 , 343, 93-105	34
1648	Dendritic cells respond to influenza virus through TLR7- and PKR-independent pathways. 2005 , 35, 236-42	102
1647	The binding affinity of double-stranded RNA motifs to HIV-1 Tat protein affects transactivation and the neutralizing capacity of anti-Tat antibodies elicited after intranasal immunization. 2005 , 35, 1521-9	18
1646	Inhibition of phosphoinositide 3-kinase enhances TRIF-dependent NF-kappa B activation and IFN-beta synthesis downstream of Toll-like receptor 3 and 4. 2005 , 35, 2200-9	87
1645	TLR8 and TLR7 are involved in the host's immune response to human parechovirus 1. 2005 , 35, 2416-23	64
1644	Differential activation of astrocytes by innate and adaptive immune stimuli. 2005 , 49, 360-74	297
1643	Double-stranded RNA signals antiviral and inflammatory programs and dysfunctional glutamate transport in TLR3-expressing astrocytes. 2005 , 52, 153-62	75
1642	"Strong reasons make strong actions"--The antiviral efficacy of NS3/4A protease inhibitors. 2005 , 41, 671-4	9
1641	Hepatitis C virus and the threshold of natural killer cell inhibition. 2005 , 41, 675-7	4

1640	Interaction between the HCV NS3 protein and the host TBK1 protein leads to inhibition of cellular antiviral responses. 2005 , 41, 1004-12	106
1639	Altered monocyte responses to defined TLR ligands in patients with primary biliary cirrhosis. 2005 , 42, 802-8	153
1638	Innate immune recognition of nucleic acids: beyond toll-like receptors. 2005 , 117, 517-23	56
1637	RNA released from necrotic synovial fluid cells activates rheumatoid arthritis synovial fibroblasts via Toll-like receptor 3. 2005 , 52, 2656-65	294
1636	Double-stranded secondary structures on mRNA induce type I interferon (IFN alpha/beta) production and maturation of mRNA-transfected monocyte-derived dendritic cells. 2005 , 7, 452-65	36
1635	Characterization of Toll-like receptor 3 gene in rainbow trout (<i>Oncorhynchus mykiss</i>). 2005 , 57, 510-9	127
1634	Clinical trials of antitumor vaccination with an autologous tumor cell vaccine modified by virus infection: improvement of patient survival based on improved antitumor immune memory. 2005 , 54, 587-98	95
1633	Natural endogenous adjuvants. 2005 , 26, 231-46	118
1632	Plasmacytoid dendritic cell precursors/type I interferon-producing cells sense viral infection by Toll-like receptor (TLR) 7 and TLR9. 2005 , 26, 221-9	148
1631	Reading the viral signature by Toll-like receptors and other pattern recognition receptors. 2005 , 83, 180-92	101
1630	Modulation of Toll-interleukin 1 receptor mediated signaling. 2005 , 83, 258-66	122
1629	Contribution of microbial-associated molecules in innate mucosal responses. 2005 , 62, 1349-58	27
1628	CpG oligonucleotides partially inhibit growth of <i>Mycobacterium tuberculosis</i> , but not <i>Salmonella</i> or <i>Listeria</i> , in human monocyte-derived macrophages. 2005 , 45, 303-10	10
1627	Role of apoptosis and cytokines in influenza virus morbidity. 2005 , 29, 837-50	103
1626	ERK-MAP-kinases differentially regulate expression of IL-23 p19 compared with p40 and IFN-beta in Theiler's virus-infected RAW264.7 cells. 2005 , 97, 47-53	25
1625	Manifold mechanisms of Toll-like receptor-ligand recognition. 2005 , 25, 511-21	82
1624	Characterization of Toll-like receptors in primary lung epithelial cells: strong impact of the TLR3 ligand poly(I:C) on the regulation of Toll-like receptors, adaptor proteins and inflammatory response. 2005 , 2, 16	136
1623	CXCR2 is critical for dsRNA-induced lung injury: relevance to viral lung infection. 2005 , 2, 4	27

1622	Toll-like Receptors and their Adaptors in Innate Immunity. 2005 , 4, 3-11	1
1621	SIGIRR / TIR8: A Negative Regulator of Toll-IL-1R Signaling. 2005 , 4, 21-27	
1620	[Toll-like receptor]. 2005 , 28, 309-17	9
1619	. 2005 ,	3
1618	Virus Induced Signaling to Initiate the Interferon Mediated Anti-Viral Host Response. 2005 , 131-146	
1617	Supramolecular Activation Clusters in Innate Immunity. 2005 , 94-109	
1616	Interleukin-1 Receptor/Toll-Like Receptor Signaling. 2005 , 110-130	
1615	RNA Silencing Technologies in Drug Discovery and Target Validation. 2005 , 2, 1-18	5
1614	ISG15: a ubiquitin-like enigma. 2005 , 10, 2701-22	94
1613	Regulatory T cells and the innate immune system. 2005 , 77-91	
1612	Immune stimulation mediated by autoantigen binding sites within small nuclear RNAs involves Toll-like receptors 7 and 8. 2005 , 202, 1575-85	436
1611	Human airway epithelial cells produce IP-10 (CXCL10) in vitro and in vivo upon rhinovirus infection. 2005 , 289, L85-95	217
1610	Characterization of Toll-like receptors in the female reproductive tract in humans. 2005 , 20, 1372-8	200
1609	Toll-like receptor 9 controls anti-DNA autoantibody production in murine lupus. 2005 , 202, 321-31	426
1608	Adrenergic modulation of dendritic cells function: relevance for the immune homeostasis. 2005 , 2, 169-73	28
1607	Immunostimulatory oligonucleotides in therapy of allergic diseases. 2005 , 5, 525-36	6
1606	Interleukin-1, Neutrophil Elastase, and Lipopolysaccharide: Key Pro- Inflammatory Stimuli Regulating Inflammation in Cystic Fibrosis. 2005 , 1, 43-67	5
1605	The innate functions of dendritic cells in peripheral lymphoid tissues. 2005 , 560, 83-97	54

1604	MyD88-dependent and -independent murine cytomegalovirus sensing for IFN-alpha release and initiation of immune responses in vivo. 2005 , 175, 6723-32	174
1603	CD14 and toll-like receptors: potential contribution of genetic factors and mechanisms to inflammation and allergy. 2005 , 4, 169-75	37
1602	A role for fungal {beta}-glucans and their receptor Dectin-1 in the induction of autoimmune arthritis in genetically susceptible mice. 2005 , 201, 949-60	346
1601	Nuclear localization of the Nipah virus W protein allows for inhibition of both virus- and toll-like receptor 3-triggered signaling pathways. 2005 , 79, 6078-88	152
1600	Myeloid differentiation factor-88 plays a crucial role in the pathogenesis of Coxsackievirus B3-induced myocarditis and influences type I interferon production. 2005 , 112, 2276-85	147
1599	Bacterial peptidoglycan-associated lipoprotein: a naturally occurring toll-like receptor 2 agonist that is shed into serum and has synergy with lipopolysaccharide. 2005 , 191, 939-48	83
1598	Hepatitis A virus suppresses RIG-I-mediated IRF-3 activation to block induction of beta interferon. 2005 , 79, 10968-77	79
1597	Protein kinase R mediates intestinal epithelial gene remodeling in response to double-stranded RNA and live rotavirus. 2005 , 174, 6322-31	40
1596	Toll-like receptor 3 ligand attenuates LPS-induced liver injury by down-regulation of toll-like receptor 4 expression on macrophages. 2005 , 102, 17077-82	134
1595	CpG RNA: identification of novel single-stranded RNA that stimulates human CD14+CD11c+ monocytes. 2005 , 174, 2273-9	74
1594	TIR domain-containing adaptors regulate TLR signaling pathways. 2005 , 560, 1-9	35
1593	Mechanisms of Lymphocyte Activation and Immune Regulation X. 2005 ,	
1592	A novel viral system for generating antigen-specific T cells. 2005 , 175, 3431-8	40
1591	Double-stranded RNAs from the helminth parasite Schistosoma activate TLR3 in dendritic cells. 2005 , 280, 277-83	122
1590	Dendritic cells and NK cells stimulate bystander T cell activation in response to TLR agonists through secretion of IFN-alpha beta and IFN-gamma. 2005 , 174, 767-76	130
1589	Vaccinia virus protein A46R targets multiple Toll-like-interleukin-1 receptor adaptors and contributes to virulence. 2005 , 201, 1007-18	300
1588	IFN-alpha regulates TLR-dependent gene expression of IFN-alpha, IFN-beta, IL-28, and IL-29. 2005 , 174, 1932-7	196
1587	Differential roles of Toll-like receptors 2 and 4 in in vitro responses of macrophages to Legionella pneumophila. 2005 , 73, 352-61	79

1586	Rhesus cytomegalovirus particles prevent activation of interferon regulatory factor 3. 2005 , 79, 6419-31	32
1585	HIV impairs TNF-alpha release in response to Toll-like receptor 4 stimulation in human macrophages in vitro. 2005 , 33, 610-21	51
1584	Activation of innate defense against a paramyxovirus is mediated by RIG-I and TLR7 and TLR8 in a cell-type-specific manner. 2005 , 79, 12944-51	146
1583	Induction of innate immune response genes by Sin Nombre hantavirus does not require viral replication. 2005 , 79, 15007-15	45
1582	Involvement of the Toll-like receptor 9 signaling pathway in the induction of innate immunity by baculovirus. 2005 , 79, 2847-58	194
1581	Bacterial interactions with cells of the intestinal mucosa: Toll-like receptors and NOD2. 2005 , 54, 1182-93	233
1580	The role of IFN regulatory factor-3 in the cytotoxic activity of NS-9, a polyinosinic-polycytidylic acid/cationic liposome complex, against tumor cells. 2005 , 4, 799-805	11
1579	Blockade of the Fas/FasL system improves pneumococcal clearance from the lungs without preventing dissemination of bacteria to the spleen. 2005 , 191, 596-606	35
1578	Recognition of double-stranded RNA by human toll-like receptor 3 and downstream receptor signaling requires multimerization and an acidic pH. 2005 , 280, 38133-45	192
1577	Genetic analysis of innate immunity: identification and function of the TIR adapter proteins. 2005 , 560, 29-39	28
1576	Thyocytes express a functional toll-like receptor 3: overexpression can be induced by viral infection and reversed by phenylmethimazole and is associated with Hashimoto's autoimmune thyroiditis. 2005 , 19, 1231-50	80
1575	RNA interference for treating haematological malignancies. 2005 , 5, 1585-92	3
1574	Adjuvants and antibody production: dispelling the myths associated with Freund's complete and other adjuvants. 2005 , 46, 280-93	239
1573	Herpes simplex virus and toll-like receptors. 2005 , 18, 457-65	39
1572	Dendritic cells, toll-like receptors, and T-cell responses: lessons from viral infections in vivo. 2005 , 18, 584-94	3
1571	Mechanisms of reovirus-induced cell death and tissue injury: role of apoptosis and virus-induced perturbation of host-cell signaling and transcription factor activation. 2005 , 18, 89-115	41
1570	TLR7/8-mediated activation of human NK cells results in accessory cell-dependent IFN-gamma production. 2005 , 175, 1636-42	247
1569	The Lyn tyrosine kinase differentially regulates dendritic cell generation and maturation. 2005 , 175, 2880-9	48

1568	Apoptosis induced by the toll-like receptor adaptor TRIF is dependent on its receptor interacting protein homotypic interaction motif. 2005 , 174, 4942-52	290
1567	TLR-induced inflammation in cystic fibrosis and non-cystic fibrosis airway epithelial cells. 2005 , 174, 1638-46	191
1566	The RNA helicase Lgp2 inhibits TLR-independent sensing of viral replication by retinoic acid-inducible gene-I. 2005 , 175, 5260-8	466
1565	Gamma delta T cells respond directly to pathogen-associated molecular patterns. 2005 , 174, 6045-53	93
1564	Specific inhibition of MyD88-independent signaling pathways of TLR3 and TLR4 by resveratrol: molecular targets are TBK1 and RIP1 in TRIF complex. 2005 , 175, 3339-46	214
1563	Interfering with interferons: Hepatitis C virus counters innate immunity. 2005 , 102, 17539-40	19
1562	Increased expression of TLR3 in lymph nodes during simian immunodeficiency virus infection: implications for inflammation and immunodeficiency. 2005 , 175, 5314-23	54
1561	Differential role for TLR3 in respiratory syncytial virus-induced chemokine expression. 2005 , 79, 3350-7	226
1560	LEW.1WR1 rats develop autoimmune diabetes spontaneously and in response to environmental perturbation. 2005 , 54, 2727-33	44
1559	Nucleic acids of mammalian origin can act as endogenous ligands for Toll-like receptors and may promote systemic lupus erythematosus. 2005 , 202, 1131-9	724
1558	Encephalomyocarditis virus induces PKR-independent mitogen-activated protein kinase activation in macrophages. 2005 , 79, 10226-36	23
1557	Apolipoprotein E suppresses the type I inflammatory response in vivo. 2005 , 97, 922-7	136
1556	Regulation of the polymeric Ig receptor by signaling through TLRs 3 and 4: linking innate and adaptive immune responses. 2005 , 175, 376-84	92
1555	Dendritic cell maturation, but not CD8+ T cell induction, is dependent on type I IFN signaling during vaccination with adenovirus vectors. 2005 , 175, 6032-41	63
1554	CD4+ T cell responses elicited by different subsets of human skin migratory dendritic cells. 2005 , 175, 7905-15	93
1553	Differential induction of antiviral effects against West Nile virus in primary mouse macrophages derived from flavivirus-susceptible and congenic resistant mice by alpha/beta interferon and poly(I-C). 2005 , 79, 1753-64	17
1552	Inhibition of RIG-I-dependent signaling to the interferon pathway during hepatitis C virus expression and restoration of signaling by IKKepsilon. 2005 , 79, 3969-78	156
1551	Innate signals compensate for the absence of PKC- θ during in vivo CD8(+) T cell effector and memory responses. 2005 , 102, 14374-9	61

1550	Early alpha/beta interferon production by myeloid dendritic cells in response to UV-inactivated virus requires viral entry and interferon regulatory factor 3 but not MyD88. 2005 , 79, 10376-85	57
1549	Viral double-stranded RNA aggravates lupus nephritis through Toll-like receptor 3 on glomerular mesangial cells and antigen-presenting cells. 2005 , 16, 1326-38	188
1548	Analysis of genes induced by Sendai virus infection of mutant cell lines reveals essential roles of interferon regulatory factor 3, NF-kappaB, and interferon but not toll-like receptor 3. 2005 , 79, 3920-9	90
1547	Innate immunity in the human female reproductive tract: antiviral response of uterine epithelial cells to the TLR3 agonist poly(I:C). 2005 , 174, 992-1002	231
1546	Direct stimulation of human T cells via TLR5 and TLR7/8: flagellin and R-848 up-regulate proliferation and IFN-gamma production by memory CD4+ T cells. 2005 , 175, 1551-7	334
1545	The molecular pathophysiology of bacterially induced preterm labor: insights from the murine model. 2005 , 12, 145-55	85
1544	Constitutive activation of the transcription factor NF-kappaB results in impaired borna disease virus replication. 2005 , 79, 6043-51	16
1543	Toll-like receptor 3 is induced by and mediates antiviral activity against rhinovirus infection of human bronchial epithelial cells. 2005 , 79, 12273-9	183
1542	The effects of CpG DNA on HMGB1 release by murine macrophage cell lines. 2005 , 78, 930-6	37
1541	Activity and regulation of alpha interferon in respiratory syncytial virus and human metapneumovirus experimental infections. 2005 , 79, 10190-9	105
1540	Interferon regulatory factor 3-independent double-stranded RNA-induced inhibition of hepatitis C virus replicons in human embryonic kidney 293 cells. 2005 , 79, 3174-8	16
1539	DNA vaccines for poultry: the jump from theory to practice. 2005 , 4, 51-62	25
1538	Restoration of the expression of transporters associated with antigen processing in lung carcinoma increases tumor-specific immune responses and survival. 2005 , 65, 7926-33	74
1537	Innate Immunity in the Skin: How Keratinocytes Fight Against Pathogens. 2005 , 1, 29-42	55
1536	MyD88 expression is required for efficient cross-presentation of viral antigens from infected cells. 2005 , 79, 2964-72	37
1535	Toll-like receptor 3 and STAT-1 contribute to double-stranded RNA+ interferon-gamma-induced apoptosis in primary pancreatic beta-cells. 2005 , 280, 33984-91	131
1534	Synthetic TLR agonists reveal functional differences between human TLR7 and TLR8. 2005 , 174, 1259-68	556
1533	Neisserial porin-induced dendritic cell activation is MyD88 and TLR2 dependent. 2005 , 174, 3545-50	88

1532	IFN-alpha enhances TLR3-mediated antiviral cytokine expression in human endothelial and epithelial cells by up-regulating TLR3 expression. 2005 , 174, 4289-94	157
1531	TLR-dependent activation stimuli associated with Th1 responses confer NK cell stimulatory capacity to mouse dendritic cells. 2005 , 175, 286-92	57
1530	Oxidized phospholipids negatively regulate dendritic cell maturation induced by TLRs and CD40. 2005 , 175, 501-8	100
1529	Depletion of T cells by type I interferon: differences between young and aged mice. 2005 , 175, 1820-6	32
1528	The anti-tetanus immune response of neonatal mice is augmented by retinoic acid combined with polyriboinosinic:polyribocytidylic acid. 2005 , 102, 13556-61	42
1527	Distinct poly(I-C) and virus-activated signaling pathways leading to interferon-beta production in hepatocytes. 2005 , 280, 16739-47	289
1526	Molecular determinants of TRIF proteolysis mediated by the hepatitis C virus NS3/4A protease. 2005 , 280, 20483-92	90
1525	Vaccinia virus protein A52R activates p38 mitogen-activated protein kinase and potentiates lipopolysaccharide-induced interleukin-10. 2005 , 280, 30838-44	60
1524	Toll-like receptor-independent gene induction program activated by mammalian DNA escaped from apoptotic DNA degradation. 2005 , 202, 1333-9	230
1523	Phosphatidylinositol-specific phospholipase C of Bacillus anthracis down-modulates the immune response. 2005 , 174, 8011-6	26
1522	TLR activation synergizes with Kilham rat virus infection to induce diabetes in BBDR rats. 2005 , 174, 131-42	119
1521	Gene expression and antiviral activity of alpha/beta interferons and interleukin-29 in virus-infected human myeloid dendritic cells. 2005 , 79, 9608-17	149
1520	Tissue-specific positive feedback requirements for production of type I interferon following virus infection. 2005 , 280, 18651-7	87
1519	Tumor-targeted gene transfer in vivo via recombinant Newcastle disease virus modified by a bispecific fusion protein. 2005 , 27, 377	6
1518	Selective gene transfer to tumor cells by recombinant Newcastle Disease Virus via a bispecific fusion protein. 2005 , 26, 431	3
1517	Comparison of two cancer vaccines targeting tyrosinase: plasmid DNA and recombinant alphavirus replicon particles. 2005 , 11, 8114-21	47
1516	Pathogen Recognition by Toll-like Receptors. 2005 , 5, 167-182	5
1515	Constitutive expression of alpha interferon by skin dendritic cells confers resistance to infection by foot-and-mouth disease virus. 2005 , 79, 4838-47	44

1514	TLR11 activation of dendritic cells by a protozoan profilin-like protein. 2005 , 308, 1626-9	775
1513	Disparate expression of IL-12 by SJL/J and B10.S macrophages during Theiler's virus infection is associated with activity of TLR7 and mitogen-activated protein kinases. 2005 , 7, 224-32	20
1512	Toll-like Receptors in Inflammation. 2005 ,	1
1511	Regulatory T Cells in Inflammation. 2005 ,	1
1510	Toll and Toll-Like Receptors: An Immunologic Perspective. 2005 ,	
1509	Molecular mechanisms of autoimmunity triggered by microbial infection. 2005 , 7, 215-24	40
1508	The molecular structure of the Toll-like receptor 3 ligand-binding domain. 2005 , 102, 10976-80	305
1507	TLR3-induced activation of mast cells modulates CD8+ T-cell recruitment. 2005 , 106, 978-87	132
1506	Escape from the interferon response associated with RNA interference using vectors that encode long modified hairpin-RNA. 2005 , 1, 382-90	53
1505	Immune evasion by hepatitis C virus NS3/4A protease-mediated cleavage of the Toll-like receptor 3 adaptor protein TRIF. 2005 , 102, 2992-7	884
1504	Crystal structure of human toll-like receptor 3 (TLR3) ectodomain. 2005 , 309, 581-5	483
1503	Involvement of toll-like receptor 3 in the immune response of lung epithelial cells to double-stranded RNA and influenza A virus. 2005 , 280, 5571-80	520
1502	Toll-like receptor signaling inhibits hepatitis B virus replication in vivo. 2005 , 79, 7269-72	350
1501	Rnai as an experimental and therapeutic tool to study and regulate physiological and disease processes. 2005 , 67, 147-73	90
1500	Toll-like Receptors. 2005 ,	1
1499	Nod2-dependent regulation of innate and adaptive immunity in the intestinal tract. 2005 , 307, 731-4	1459
1498	RIG-I: an essential regulator of virus-induced interferon production. 2005 , 42, 431-3	18
1497	The hepatitis C virus NS3/4A protease complex interferes with pathways of the innate immune response. 2005 , 43, 743-5	11

1496	Induction of inflammatory cytokines and interferon responses by double-stranded and single-stranded siRNAs is sequence-dependent and requires endosomal localization. 2005 , 348, 1079-90	342
1495	VISA is an adapter protein required for virus-triggered IFN-beta signaling. 2005 , 19, 727-40	1477
1494	Functional characterization of full-length TLR3, IRAK-4, and TRAF6 in zebrafish (<i>Danio rerio</i>). 2005 , 42, 1057-71	176
1493	The role of Toll-like receptors in the host response to viruses. 2005 , 42, 859-67	197
1492	Type I interferons and the innate immune response--more than just antiviral cytokines. 2005 , 42, 869-77	91
1491	Interferon gene regulation: not all roads lead to Tolls. 2005 , 11, 403-11	28
1490	MacrophAging: a cellular and molecular review. 2005 , 210, 121-6	68
1489	CCL19 and CCL21 induce a potent proinflammatory differentiation program in licensed dendritic cells. 2005 , 22, 493-505	194
1488	Cell type-specific involvement of RIG-I in antiviral response. 2005 , 23, 19-28	1074
1487	Suppression of RNA recognition by Toll-like receptors: the impact of nucleoside modification and the evolutionary origin of RNA. 2005 , 23, 165-75	1027
1486	TLR ignores methylated RNA?. 2005 , 23, 111-3	32
1485	Human TLR-7-, -8-, and -9-mediated induction of IFN-alpha/beta and -lambda is IRAK-4 dependent and redundant for protective immunity to viruses. 2005 , 23, 465-78	228
1484	TLR signalling and activation of IRFs: revisiting old friends from the NF-kappaB pathway. 2005 , 26, 469-76	246
1483	TLR3 in antiviral immunity: key player or bystander?. 2005 , 26, 462-8	179
1482	Human endometrial epithelial cells cyclically express Toll-like receptor 3 (TLR3) and exhibit TLR3-dependent responses to dsRNA. 2005 , 66, 469-82	45
1481	Viral recognition and type I interferon production by Toll-like receptor and an RNA helicase, RIG-I. 2005 , 1285, 10-14	2
1480	Characteristics of nucleic acid TLR ligands. 2005 , 1285, 34-41	
1479	Influence of exercise training and age on CD14+ cell-surface expression of toll-like receptor 2 and 4. 2005 , 19, 389-97	148

1478	Cytokine induction by a bacterial DNA-specific modified base. 2005 , 326, 777-81	12
1477	Expression of B7-H1 and B7-DC on the airway epithelium is enhanced by double-stranded RNA. 2005 , 330, 263-70	33
1476	Triggering of TLR3 by polyI:C in human corneal epithelial cells to induce inflammatory cytokines. 2005 , 331, 285-94	124
1475	dsRNA-mediated innate immunity of epidermal keratinocytes. 2005 , 335, 505-11	34
1474	Adiponectin induces TNF-alpha and IL-6 in macrophages and promotes tolerance to itself and other pro-inflammatory stimuli. 2005 , 335, 1254-63	166
1473	Viruses selectively upregulate Toll-like receptors in the central nervous system. 2005 , 336, 925-33	82
1472	Preparation of human ovarian cancer ascites-derived exosomes for a clinical trial. 2005 , 35, 149-52	78
1471	Preferential induction of apoptosis in the rainbow trout macrophage cell line, RTS11, by actinomycin D, cycloheximide and double stranded RNA. 2005 , 18, 279-95	22
1470	Molecular determinants of crosstalk between nuclear receptors and toll-like receptors. 2005 , 122, 707-21	542
1469	Transcriptional signaling by double-stranded RNA: role of TLR3. 2005 , 16, 1-14	214
1468	Chemokines provide the sustained inflammatory bridge between innate and acquired immunity. 2005 , 16, 553-60	83
1467	Activation of TLR3 and TLR5 in channel catfish exposed to virulent <i>Edwardsiella ictaluri</i> . 2005 , 29, 713-21	109
1466	Characterisation and expression analysis of an interleukin 6 homologue in the Japanese pufferfish, <i>Fugu rubripes</i> . 2005 , 29, 775-89	102
1465	Expression and function of Toll-like receptors in chicken heterophils. 2005 , 29, 791-807	193
1464	TICAM-1 and TICAM-2: toll-like receptor adapters that participate in induction of type 1 interferons. 2005 , 37, 524-9	41
1463	The role of suppressors of cytokine signalling in thymopoiesis and T cell activation. 2005 , 37, 1774-86	16
1462	Design of shRNAs for RNAi-A lesson from pre-miRNA processing: possible clinical applications. 2005 , 68, 115-20	11
1461	Adaptor usage and Toll-like receptor signaling specificity. 2005 , 579, 3330-5	118

1460	Silencing of Fas, but not caspase-8, in lung epithelial cells ameliorates pulmonary apoptosis, inflammation, and neutrophil influx after hemorrhagic shock and sepsis. 2005 , 167, 1545-59	141
1459	Lethal encephalitis in myeloid differentiation factor 88-deficient mice infected with herpes simplex virus 1. 2005 , 166, 1419-26	74
1458	Toll-like receptor, MHC II, B7 and cytokine expression by porcine monocytes and monocyte-derived dendritic cells in response to microbial pathogen-associated molecular patterns. 2005 , 107, 235-47	63
1457	siRNA injection induces sequence-independent protection in <i>Penaeus monodon</i> against white spot syndrome virus. 2005 , 114, 133-9	114
1456	TLR9 pathway is involved in adjuvant effects of plasmid DNA-based vaccines. 2005 , 23, 1258-64	68
1455	T-cell triggering by CD3- and CD28-binding molecules linked to a human virus-modified tumor cell vaccine. 2005 , 23, 2439-53	15
1454	The rationale for combined chemo/immunotherapy using a Toll-like receptor 3 (TLR3) agonist and tumour-derived exosomes in advanced ovarian cancer. 2005 , 23, 2374-8	44
1453	TLR agonists as vaccine adjuvants: comparison of CpG ODN and Resiquimod (R-848). 2005 , 23, 5263-70	123
1452	The role of toll-like receptors in the pathophysiology of acne. 2005 , 24, 73-8	31
1451	Regulation of the type I IFN induction: a current view. 2005 , 17, 1367-78	272
1450	The use of immunostimulants in fish larval aquaculture. 2005 , 19, 457-72	330
1449	On the delivery of small interfering RNAs into mammalian cells. 2005 , 2, 639-51	60
1448	Sindbis virus induces transport processes and alters expression of innate immunity pathway genes in the midgut of the disease vector, <i>Aedes aegypti</i> . 2005 , 35, 1293-307	106
1447	Human lung cancer cells express functionally active Toll-like receptor 9. 2005 , 6, 1	202
1446	The microglial "activation" continuum: from innate to adaptive responses. 2005 , 2, 24	318
1445	Recognition of bacterial products by toll-like receptors. 2005 , 86, 99-119	32
1444	TLR signalling and the function of dendritic cells. 2005 , 86, 120-135	175
1443	gammadelta T cells link innate and adaptive immune responses. 2005 , 86, 151-183	180

1442	DNA vaccine. 2005 , 54, 257-89	61
1441	Agonists of Toll-Like Receptor 9. 2005 , 181-212	5
1440	Strategic targets of essential host-pathogen interactions. 2005 , 72, 9-25	30
1439	Effects of viral respiratory infections on lung development and childhood asthma. 2005 , 115, 668-74; quiz 675	118
1438	Review of the innate immune response in acne vulgaris: activation of Toll-like receptor 2 in acne triggers inflammatory cytokine responses. 2005 , 211, 193-8	194
1437	BACK MATTER. 2005 , 372-456	
1436	Negative regulation of cytokine and TLR signalings by SOCS and others. 2005 , 87, 61-122	75
1435	Interferon-beta induction through toll-like receptor 3 depends on double-stranded RNA structure. 2005 , 24, 614-23	68
1434	Toll-like receptor downstream signaling. 2005 , 7, 12-9	192
1433	Hepatitis C virus NS2 and NS3/4A proteins are potent inhibitors of host cell cytokine/chemokine gene expression. 2006 , 3, 66	52
1432	Progress towards in vivo use of siRNAs. 2006 , 13, 644-70	435
1431	Renal Toll-like receptors: recent advances and implications for disease. 2006 , 2, 568-81	47
1430	The interleukin-1 receptor family. 2006 , 74, 229-54	78
1429	Proteases in Gastrointestinal Tissues. 2006 ,	
1428	Hepatitis C Viral Proteases And Inhibitors. 2006 , 153-181	1
1427	Inhibition of the interferon antiviral response by hepatitis C virus. 2006 , 2, 49-58	2
1426	From Innate Immunity to Immunological Memory. 2006 ,	2
1425	Involvement of Toll-like receptor 5 in the recognition of flagellated bacteria. 2006 , 103, 12487-92	248

1424	Double-stranded RNA is produced by positive-strand RNA viruses and DNA viruses but not in detectable amounts by negative-strand RNA viruses. 2006 , 80, 5059-64	678
1423	The beta-glucan receptor dectin-1 functions together with TLR2 to mediate macrophage activation by mycobacteria. 2006 , 108, 3168-75	313
1422	Mucosal and systemic adjuvant activity of alphavirus replicon particles. 2006 , 103, 3722-7	83
1421	Cooperative molecular and cellular networks regulate Toll-like receptor-dependent inflammatory responses. 2006 , 20, 2153-5	74
1420	Quantification of poly(I:C)-mediated protection against genital herpes simplex virus type 2 infection. 2006 , 80, 9988-97	59
1419	Antiviral signaling through pattern recognition receptors. 2007 , 141, 137-45	331
1418	Novel role of toll-like receptor 3 in hepatitis C-associated glomerulonephritis. 2006 , 168, 370-85	136
1417	A novel cyclohexene derivative, ethyl (6R)-6-[N-(2-Chloro-4-fluorophenyl)sulfamoyl]cyclohex-1-ene-1-carboxylate (TAK-242), selectively inhibits toll-like receptor 4-mediated cytokine production through suppression of intracellular signaling. 2006 , 69, 1288-95	271
1416	Toll-like receptors 2 and 4 are differentially involved in Fas dependent apoptosis in Peyer's patch and the liver at an early stage after bile duct ligation in mice. 2006 , 55, 105-13	12
1415	[Microbial nucleic acids in the pathogenesis of glomerulonephritis]. 2006 , 2, 422-31	0
1414	Gene silencing through RNA interference (RNAi) in vivo: strategies based on the direct application of siRNAs. 2006 , 124, 12-25	167
1413	DNA vaccines against cancer. 2006 , 20, 613-36	16
1412	Natural killer cells ameliorate liver fibrosis by killing activated stellate cells in NKG2D-dependent and tumor necrosis factor-related apoptosis-inducing ligand-dependent manners. 2006 , 130, 435-52	439
1411	Lung epithelium as a sentinel and effector system in pneumonia--molecular mechanisms of pathogen recognition and signal transduction. 2006 , 7, 97	111
1410	The role of Toll-like receptors in immune disorders. 2006 , 6, 203-14	38
1409	Type 1 interferons and the virus-host relationship: a lesson in dēntē. 2006 , 312, 879-82	695
1408	Pattern recognition receptors: an update. 2006 , 2, 569-83	6
1407	Viral Defense Mechanisms against Interferon. 2006 , 227-273	

1406	Toll-like receptor agonists differentially regulate cysteinyl-leukotriene receptor 1 expression and function in human dendritic cells. 2006 , 117, 1155-62	41
1405	Immunization with a low-dose replicon DNA vaccine encoding Phl p 5 effectively prevents allergic sensitization. 2006 , 118, 734-41	32
1404	Employment of microRNA profiles and RNA interference and antagomirs for the characterization and treatment of respiratory disease. 2006 , 3, 325-332	1
1403	Invited review: Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. 2006 , 12, 133-150	13
1402	Essential role of MAPK phosphatase-1 in the negative control of innate immune responses. 2006 , 176, 1899-907	289
1401	MyD88 adapter-like (Mal) is phosphorylated by Bruton's tyrosine kinase during TLR2 and TLR4 signal transduction. 2006 , 281, 10489-95	159
1400	siRNA and isRNA: two edges of one sword. 2006 , 14, 463-70	181
1399	The kinase complex responsible for IRF-3-mediated IFN-beta production in myeloid dendritic cells (mDC). 2006 , 139, 171-5	16
1398	5'-Triphosphate RNA is the ligand for RIG-I. 2006 , 314, 994-7	1826
1397	Cytoplasmic <i>Listeria monocytogenes</i> stimulates IFN-beta synthesis without requiring the adapter protein MAVS. 2006 , 580, 2341-2346	31
1396	Potential role of toll-like receptor 3 in a murine model of polyinosinic-polycytidylic acid-induced embryo resorption. 2006 , 85 Suppl 1, 1125-9	27
1395	Immune relevant genes of Japanese flounder, <i>Paralichthys olivaceus</i> . 2006 , 1, 115-21	14
1394	Pathogen recognition and innate immunity. 2006 , 124, 783-801	8282
1393	RalB GTPase-mediated activation of the I κ B family kinase TBK1 couples innate immune signaling to tumor cell survival. 2006 , 127, 157-70	296
1392	Double-stranded RNA induces production of RANTES and IL-8 by human nasal fibroblasts. 2006 , 118, 51-8	34
1391	A missense mutation of the Toll-like receptor 3 gene in a patient with influenza-associated encephalopathy. 2006 , 119, 188-94	86
1390	Immunological stress at the maternal-foetal interface: a link between neurodevelopment and adult psychopathology. 2006 , 20, 378-88	233
1389	Adrenergic inhibition of innate anti-viral response: PKA blockade of Type I interferon gene transcription mediates catecholamine support for HIV-1 replication. 2006 , 20, 552-63	51

1388	The transmembrane domain directs TLR9 to intracellular compartments that contain TLR3. 2006 , 343, 578-84	33
1387	Inhibition of hepatitis C virus RNA replication by short hairpin RNA synthesized by T7 RNA polymerase in hepatitis C virus subgenomic replicons. 2006 , 343, 988-94	10
1386	A functional polymorphism in MMP-9 is associated with childhood atopic asthma. 2006 , 344, 300-7	38
1385	Combinations of TLR and NOD2 ligands stimulate rat microglial P2X4R expression. 2006 , 349, 1156-62	34
1384	Necrotic neuronal cells induce inflammatory Schwann cell activation via TLR2 and TLR3: implication in Wallerian degeneration. 2006 , 350, 742-7	72
1383	The interferon system of teleost fish. 2006 , 20, 172-91	403
1382	Response of toll-like receptors, lysozyme, and IGF-I in back-cross hybrid (F1 male (blue x channel) x female channel) catfish challenged with virulent <i>Edwardsiella ictaluri</i> . 2006 , 20, 29-39	30
1381	IL-17 production by thymocytes upon CD3 stimulation and costimulation with microbial factors. 2006 , 34, 184-97	17
1380	The effect of adenosine receptor agonists on cytokine release by human mononuclear cells depends on the specific Toll-like receptor subtype used for stimulation. 2006 , 35, 95-9	18
1379	Interferon: the pathways of discovery I. Molecular and cellular aspects. 2006 , 17, 381-409	36
1378	Recognition and signaling by toll-like receptors. 2006 , 22, 409-37	530
1377	Carbon monoxide differentially inhibits TLR signaling pathways by regulating ROS-induced trafficking of TLRs to lipid rafts. 2006 , 203, 2377-89	308
1376	Endoplasmic reticulum stress signaling in disease. 2006 , 86, 1133-49	750
1375	TLR signaling. 2006 , 311, 1-16	389
1374	Double-stranded RNA-dependent protein kinase (PKR) is a stress-responsive kinase that induces NFkappaB-mediated resistance against mercury cytotoxicity. 2006 , 78, 1845-56	14
1373	Poly I:C prevents T cell-mediated hepatitis via an NK-dependent mechanism. 2006 , 44, 446-54	76
1372	Toll-like receptors and RNA helicases: two parallel ways to trigger antiviral responses. 2006 , 22, 561-9	320
1371	The etiology of sepsis: turned inside out. 2006 , 12, 10-6	31

1370	MasterCARD: a priceless link to innate immunity. 2006 , 12, 53-6	160
1369	Toll-like receptor 9 contributes to recognition of Mycobacterium bovis Bacillus Calmette-Guérin by Flt3-ligand generated dendritic cells. 2006 , 211, 557-65	62
1368	Double-stranded RNA-mediated TLR3 activation is enhanced by CD14. 2006 , 24, 153-63	206
1367	Type I interferons in host defense. 2006 , 25, 373-81	872
1366	Fifty years of interferon research: aiming at a moving target. 2006 , 25, 343-8	116
1365	Type I interferon [corrected] gene induction by the interferon regulatory factor family of transcription factors. 2006 , 25, 349-60	949
1364	Toll-like receptors: applications to dermatologic disease. 2006 , 54, 951-83; quiz 983-6	78
1363	New treatment regimes for virus-induced exacerbations of asthma. 2006 , 19, 320-34	24
1362	The selective inhibition of nitric oxide production in the avian macrophage cell line HD11. 2006 , 109, 127-37	18
1361	Identification of an interferon antagonist protein encoded by segment 7 of infectious salmon anaemia virus. 2006 , 115, 176-84	63
1360	Modulation of PKR activity in cells infected by bovine viral diarrhoea virus. 2006 , 116, 69-77	21
1359	Increased IL-1 β production from dsRNA-stimulated leukocytes in febrile seizures. 2006 , 35, 102-6	50
1358	Immunological responses after immunisation of mice with microparticles containing antigen and single stranded RNA (polyuridylic acid). 2006 , 24, 1736-43	30
1357	IC31, a novel adjuvant signaling via TLR9, induces potent cellular and humoral immune responses. 2006 , 24, 5461-72	120
1356	The adjuvant effects of the toll-like receptor 3 ligand polyinosinic-cytidylic acid poly (I:C) on antigen-specific CD8 ⁺ T cell responses are partially dependent on NK cells with the induction of a beneficial cytokine milieu. 2006 , 24, 5119-32	87
1355	Female genital tract immunization: evaluation of candidate immunoadjuvants on epithelial cell secretion of CCL20 and dendritic/Langerhans cell maturation. 2006 , 24, 5744-54	17
1354	Type I Interferons are essential for the efficacy of replicase-based DNA vaccines. 2006 , 24, 5110-8	41
1353	Zebrafish (Danio rerio) as a model for the study of vaccination against viral haemorrhagic septicemia virus (VHSV). 2006 , 24, 5806-16	104

1352	Nasal immunization with a dual antigen anthrax vaccine induced strong mucosal and systemic immune responses against toxins and bacilli. 2006 , 24, 6405-13	29
1351	Innate Immunity. 2006 , 1033-1066	2
1350	Signaling properties of CD38 in the mouse immune system: enzyme-dependent and -independent roles in immunity. 2006 , 12, 328-33	60
1349	[Toll-dependent and toll-independent innate antiviral immunity]. 2006 , 22, 961-8	1
1348	Tweaking Innate Immunity: the Promise of Innate Immunologicals As Anti-infectives. 2006 , 17, 307-14	10
1347	Association of the RIP2 gene with childhood atopic asthma. 2006 , 55, 77-83	21
1346	Toll-like receptors and the eye. 2006 , 47, 1255-63	59
1345	Stimulation of Antigen Presenting Cells: from Classical Adjuvants to Toll-like Receptor (TLR) Ligands. 2006 , 221-243	0
1344	. 2006 ,	13
1343	Innate Immunity. 2006 ,	1
1342	Liposomal encapsulation enhances the activity of immunostimulatory oligonucleotides. 2006 , 1, 35-46	5
1341	The molecular structure of the TLR3 extracellular domain. 2006 , 12, 375-378	10
1340	Short interfering RNA (siRNA): tool or therapeutic?. 2006 , 110, 47-58	78
1339	Ikaros is required for plasmacytoid dendritic cell differentiation. 2006 , 108, 4025-34	104
1338	Immunology of RSV. 2006 , 43-88	2
1337	Pathogens: Innate Immune Responses. 2006 ,	
1336	Microbial Instruction of Dendritic Cells. 405-426	
1335	(C3) The oral epithelial cell and first encounters with HIV-1. 2006 , 19, 158-66	13

1334	Controlling activation of the RNA-dependent protein kinase by siRNAs using site-specific chemical modification. 2006 , 34, 4900-11	64
1333	In vivo efficacy of systemic tumor targeting of a viral RNA vector with oncolytic properties using a bispecific adapter protein. 2006 , 29, 1359	3
1332	Viral targeting of interferon regulatory factor-3 and type I interferon gene transcription. 2006 , 1, 783-793	1
1331	Targeting transcription: a new concept of anti-inflammatory therapy of airway diseases. 2006 , 7, 683-9	2
1330	Activation of invariant NKT cells by the helminth parasite schistosoma mansoni. 2006 , 176, 2476-85	67
1329	Lung Defence Mechanisms and Their Potential Role in the Prevention of Ventilator Associated Pneumonia. 2006 , 2, 285-297	1
1328	Dendritic cell vaccination in patients with malignant gliomas: current status and future directions. 2006 , 59, 988-99; discussioin 999-1000	56
1327	The neutrophil-activating protein of Helicobacter pylori promotes Th1 immune responses. 2006 , 116, 1092-101	214
1326	Systemic inflammatory response syndrome (SIRS): molecular pathophysiology and gene therapy. 2006 , 101, 189-98	120
1325	Mechanism regulating cell surface expression and activation of Toll-like receptor 4. 2006 , 6, 311-9	18
1324	Immunobiology of Toll-like receptors: emerging trends. 2006 , 84, 333-41	145
1323	Rotavirus double-stranded RNA induces apoptosis and diminishes wound repair in rat intestinal epithelial cells. 2006 , 21, 521-30	27
1322	Inhibition of type I allergic responses with nanogram doses of replicon-based DNA vaccines. 2006 , 61, 828-35	23
1321	Toll-like receptors and innate antiviral immunity. 2006 , 67, 267-76	12
1320	Retinoic acid-inducible gene-I is induced in gingival fibroblasts by lipopolysaccharide or poly IC: possible roles in interleukin-1beta, -6 and -8 expression. 2006 , 21, 399-406	25
1319	Ringing the alarm bells: signalling and apoptosis in influenza virus infected cells. 2006 , 8, 375-86	184
1318	Toll-like receptor 3 mediated hyperphosphorylation of tau in human SH-SY5Y neuroblastoma cells. 2006 , 60, S27-S33	9
1317	Differential expression of toll-like receptor mRNA in treatment non-responders and sustained virologic responders at baseline in patients with chronic hepatitis C. 2006 , 26, 1100-10	26

1316	The role of Toll-like receptors in CNS response to microbial challenge. 2006 , 99, 1-12	88
1315	Toll-like receptors in <i>Borrelia burgdorferi</i> -induced inflammation. 2006 , 12, 705-17	27
1314	A functional comparison of mature human dendritic cells prepared in fluorinated ethylene-propylene bags or polystyrene flasks. 2006 , 46, 1494-504	17
1313	Chronic ethanol consumption inhibits hepatic natural killer cell activity and accelerates murine cytomegalovirus-induced hepatitis. 2006 , 30, 1615-23	46
1312	Promoters of type I interferon genes from Atlantic salmon contain two main regulatory regions. 2006 , 273, 3893-906	65
1311	Role of SLC11A1 (formerly NRAMP1) in regulation of signal transduction induced by Toll-like receptor 7 ligands. 2006 , 47, 138-47	10
1310	Fever and circulating cytokines induced by double-stranded RNA in guinea pigs: dependence on the route of administration and effects of repeated injections. 2006 , 187, 379-89	21
1309	Effect of toll-like receptor (TLR) agonists on TLR and microbicide expression in uterine and vaginal tissues of the mouse. 2006 , 55, 434-46	58
1308	Impaired virus-induced interferon-alpha2 release in adult asthmatic patients. 2006 , 36, 331-7	83
1307	Synthetic double-stranded RNA induces multiple genes related to inflammation through Toll-like receptor 3 depending on NF-kappaB and/or IRF-3 in airway epithelial cells. 2006 , 36, 1049-62	96
1306	Expression of Toll-like receptors and their association with cytokine responses in peripheral blood mononuclear cells of children with acute rotavirus diarrhoea. 2006 , 144, 376-81	43
1305	Functional roles of immature dendritic cells in impaired immunity of solid tumour and their targeted strategies for provoking tumour immunity. 2006 , 146, 189-96	50
1304	Interferon-beta and adhesion molecules (E-selectin and s-intracellular adhesion molecule-1) are detected in sera from patients with retinal vasculitis and are induced in retinal vascular endothelial cells by Toll-like receptor 3 signalling. 2007 , 147, 71-80	35
1303	In vitro-generated viral double-stranded RNA in contrast to polyinosinic:polycytidylic acid induces interferon-alpha in human plasmacytoid dendritic cells. 2006 , 63, 264-74	22
1302	Toll-like receptor 3 agonist poly(I:C)-induced antiviral response in human corneal epithelial cells. 2006 , 117, 11-21	158
1301	Herpes simplex virus 1 infection induces the expression of proinflammatory cytokines, interferons and TLR7 in human corneal epithelial cells. 2006 , 117, 167-76	110
1300	Effect of oestradiol on PAMP-mediated CCL20/MIP-3 alpha production by mouse uterine epithelial cells in culture. 2006 , 118, 185-94	28
1299	The Unc93b1 mutation 3d disrupts exogenous antigen presentation and signaling via Toll-like receptors 3, 7 and 9. 2006 , 7, 156-64	650

1298	Innate immune recognition of viral infection. 2006 , 7, 131-7	1390
1297	Negative regulation of interferon-regulatory factor 3-dependent innate antiviral response by the prolyl isomerase Pin1. 2006 , 7, 598-605	239
1296	IRFs: master regulators of signalling by Toll-like receptors and cytosolic pattern-recognition receptors. 2006 , 6, 644-58	1209
1295	Toll-like receptors as molecular switches. 2006 , 6, 693-8	146
1294	TLR ligands and cytokines induce CXCR3 ligands in endothelial cells: enhanced CXCL9 in autoimmune arthritis. 2006 , 86, 902-16	82
1293	Critical role of TRAF3 in the Toll-like receptor-dependent and -independent antiviral response. <i>Nature</i> , 2006 , 439, 208-11	504 701
1292	Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses. <i>Nature</i> , 2006 , 441, 101-5	504 2807
1291	Intracellular pattern recognition receptors in the host response. <i>Nature</i> , 2006 , 442, 39-44	504 927
1290	TLR signaling. 2006 , 13, 816-25	1503
1289	The role of Toll-like receptors in non-infectious lung injury. 2006 , 16, 693-701	114
1288	Genetic susceptibility to poly:I:C-induced IFNalpha/beta-dependent accelerated disease in lupus-prone mice. 2006 , 7, 555-67	24
1287	Target selectivity in mRNA silencing. 2006 , 13, 509-16	33
1286	Induction of antigen-specific CD8+ cytotoxic T cells by dendritic cells co-electroporated with a dsRNA analogue and tumor antigen mRNA. 2006 , 13, 1027-36	28
1285	A novel siRNA-lipoplex technology for RNA interference in the mouse vascular endothelium. 2006 , 13, 1222-34	313
1284	SOCS1-negative feedback of STAT1 activation is a key pathway in the dsRNA-induced innate immune response of human keratinocytes. 2006 , 126, 1574-81	57
1283	Toll-like receptors mediate proliferation and survival of multiple myeloma cells. 2006 , 20, 1138-44	128
1282	Pathogen-associated molecular patterns are growth and survival factors for human myeloma cells through Toll-like receptors. 2006 , 20, 1130-7	143
1281	NF-kappaB and the immune response. 2006 , 25, 6758-80	901

1280	Neonatal programming of the rat neuroimmune response: stimulus specific changes elicited by bacterial and viral mimetics. 2006 , 571, 695-701	64
1279	Synthesis and biological evaluation of novel lipid A antagonists. 2006 , 14, 190-9	23
1278	Flavivirus induces interferon-beta gene expression through a pathway involving RIG-I-dependent IRF-3 and PI3K-dependent NF-kappaB activation. 2006 , 8, 157-71	189
1277	Toll-like receptor agonists stimulate differential functional activation and cytokine and chemokine gene expression in heterophils isolated from chickens with differential innate responses. 2006 , 8, 1866-74	88
1276	The interferon-inducible RNA helicase, mda-5, is involved in measles virus-induced expression of antiviral cytokines. 2006 , 8, 2138-44	82
1275	MicroRNA modulation of megakaryoblast fate involves cholinergic signaling. 2006 , 30, 583-95	40
1274	IRAK-4: A key kinase involved in toll-like receptor signaling and resistance to bacterial infection. 2006 , 173-192	1
1273	The expression patterns of Toll-like receptors in the ileal pouch mucosa of postoperative ulcerative colitis patients. 2006 , 36, 287-90	70
1272	Immunology of Crohn's disease. 2006 , 1072, 135-54	29
1271	TLR9 and the recognition of self and non-self nucleic acids. 2006 , 1082, 31-43	76
1270	Brain cytokines and the 5-HT system during poly I:C-induced fatigue. 2006 , 1088, 230-7	33
1269	Genes influencing innate and acquired immunity in type 1 diabetes and latent autoimmune diabetes in adults. 2006 , 1079, 67-80	8
1268	PRRs in pathogen recognition. 2006 , 1, 299-313	3
1267	Use of human antigen presenting cell gene array profiling to examine the effect of human T-cell leukemia virus type 1 Tax on primary human dendritic cells. 2006 , 12, 47-59	21
1266	Expression of Toll-like receptor 3 in the human cerebellar cortex in rabies, herpes simplex encephalitis, and other neurological diseases. 2006 , 12, 229-34	82
1265	New players in TLR-mediated innate immunity: PI3K and small Rho GTPases. 2006 , 34, 33-48	86
1264	Induction of the interferon response by siRNA is cell type- and duplex length-dependent. 2006 , 12, 988-93	247
1263	The transcriptome of the uterine cervix before and after spontaneous term parturition. 2006 , 195, 778-86	103

1262	Nasal immunization with anthrax protective antigen protein adjuvanted with polyriboinosinic-polyribocytidylic acid induced strong mucosal and systemic immunities. 2006 , 23, 1217-26	46
1261	Clearance of apoptotic and necrotic cells and its immunological consequences. 2006 , 11, 1709-26	263
1260	Toll-like receptor 3 and TICAM genes in catfish: species-specific expression profiles following infection with <i>Edwardsiella ictaluri</i> . 2006 , 58, 817-30	89
1259	Molecular characterization of coding sequences and analysis of Toll-like receptor 3 mRNA expression in water buffalo (<i>Bubalus bubalis</i>) and nilgai (<i>Boselaphus tragocamelus</i>). 2007 , 59, 69-76	15
1258	Synthetic double-stranded RNA poly(I:C) as a potent peptide vaccine adjuvant: therapeutic activity against human cervical cancer in a rodent model. 2006 , 55, 1267-79	65
1257	Autologous control of a highly malignant syngeneic CRNK-16 leukemia in the rat: a role for NK cells. 2006 , 55, 1348-57	10
1256	The role of toll-like receptors in systemic lupus erythematosus. 2006 , 28, 131-43	53
1255	Mammalian toll-like receptors: from endogenous ligands to tissue regeneration. 2006 , 63, 2901-7	101
1254	Toll-like receptors and innate immunity. 2006 , 84, 712-25	314
1253	Retinoic acid inducible gene-I and mda-5 are involved in influenza A virus-induced expression of antiviral cytokines. 2006 , 8, 2013-20	73
1252	Intranasal administration of adjuvant-combined recombinant influenza virus HA vaccine protects mice from the lethal H5N1 virus infection. 2006 , 8, 2706-14	50
1251	Maturation of murine bone marrow-derived dendritic cells with poly(I:C) produces altered TLR-9 expression and response to CpG DNA. 2006 , 107, 155-62	21
1250	Leukemia virus long terminal repeat activates NFkappaB pathway by a TLR3-dependent mechanism. 2006 , 345, 390-403	19
1249	Hepatitis C virus NS5B delays cell cycle progression by inducing interferon-beta via Toll-like receptor 3 signaling pathway without replicating viral genomes. 2006 , 346, 348-62	40
1248	Innate immune responses: crosstalk of signaling and regulation of gene transcription. 2006 , 352, 14-21	40
1247	Reduced expression of IL-12 p35 by SJL/J macrophages responding to Theiler's virus infection is associated with constitutive activation of IRF-3. 2006 , 353, 422-32	17
1246	Toll-like receptor (TLR) 2-9 agonists-induced cytokines and chemokines: I. Comparison with T cell receptor-induced responses. 2006 , 243, 48-57	84
1245	The N-terminus of PKR is responsible for the activation of the NF-kappaB signaling pathway by interacting with the IKK complex. 2006 , 18, 1865-75	51

1244	Glucocorticoids severely impair differentiation and antigen presenting function of dendritic cells despite upregulation of Toll-like receptors. 2006 , 120, 260-71	125
1243	A target on the move: innate and adaptive immune escape strategies of hepatitis C virus. 2006 , 69, 129-41	102
1242	Inhibition of RNase A family enzymes prevents degradation and loss of silencing activity of siRNAs in serum. 2006 , 71, 702-10	119
1241	Suppression of MyD88- and TRIF-dependent signaling pathways of Toll-like receptor by (-)-epigallocatechin-3-gallate, a polyphenol component of green tea. 2006 , 72, 850-9	126
1240	Recruitment of an interferon molecular signaling complex to the mitochondrial membrane: disruption by hepatitis C virus NS3-4A protease. 2006 , 72, 1477-84	25
1239	Toll-like receptors: from the discovery of NFkappaB to new insights into transcriptional regulations in innate immunity. 2006 , 72, 1102-13	495
1238	Toll-like receptors, inflammation and cancer. 2006 , 16, 32-7	112
1237	Human monocytoïd cells as a model to study Toll-like receptor-mediated activation. 2006 , 313, 1-10	21
1236	Dietary nucleotides and human immune cells. II. Modulation of PBMC growth and cytokine secretion. 2006 , 22, 90-6	7
1235	RNAi and microRNAs: from animal models to disease therapy. 2006 , 78, 150-71	15
1234	Requirement of type I interferon signaling for arthritis triggered by double-stranded RNA. 2006 , 54, 148-57	29
1233	Intracellular mammalian DNA stimulates myeloid dendritic cells to produce type I interferons predominantly through a toll-like receptor 9-independent pathway. 2006 , 54, 951-62	38
1232	Expansion of toll-like receptor 9-expressing B cells in active systemic lupus erythematosus: implications for the induction and maintenance of the autoimmune process. 2006 , 54, 3601-11	155
1231	RNA interference reveals a role for TLR2 and TLR3 in the recognition of Leishmania donovani promastigotes by interferon-gamma-primed macrophages. 2006 , 36, 411-20	143
1230	Influenza H2 haemagglutinin activates B cells via a MyD88-dependent pathway. 2006 , 36, 95-106	18
1229	TNF receptor-associated factor-1 (TRAF1) negatively regulates Toll/IL-1 receptor domain-containing adaptor inducing IFN-beta (TRIF)-mediated signaling. 2006 , 36, 199-206	52
1228	Comparison of different CpG oligodeoxynucleotide classes for their capability to stimulate human NK cells. 2006 , 36, 961-7	59
1227	Therapeutic anti-tumor immunity triggered by injections of immunostimulating single-stranded RNA. 2006 , 36, 2807-16	85

1226	Simultaneous deletion of MyD88 and Trif delays major histocompatibility and minor antigen mismatch allograft rejection. 2006 , 36, 1994-2002	70
1225	Nucleic acid agonists for Toll-like receptor 7 are defined by the presence of uridine ribonucleotides. 2006 , 36, 3256-67	219
1224	TLR3-mediated signal induces proinflammatory cytokine and chemokine gene expression in astrocytes: differential signaling mechanisms of TLR3-induced IP-10 and IL-8 gene expression. 2006 , 53, 248-56	129
1223	Toll-like receptor 3 on adult human astrocytes triggers production of neuroprotective mediators. 2006 , 53, 688-95	229
1222	Induction of chemokine and cytokine genes in astrocytes following infection with Theiler's murine encephalomyelitis virus is mediated by the Toll-like receptor 3. 2006 , 53, 858-67	75
1221	Differential liver sensitization to toll-like receptor pathways in mice with alcoholic fatty liver. 2006 , 43, 989-1000	187
1220	Critical role of acidic sphingomyelinase in murine hepatic ischemia-reperfusion injury. 2006 , 44, 561-72	97
1219	Pattern recognition receptors: a contemporary view on liver diseases. 2006 , 44, 287-98	140
1218	The protein kinase IKKepsilon can inhibit HCV expression independently of IFN and its own expression is downregulated in HCV-infected livers. 2006 , 44, 1635-47	18
1217	A tumor vaccine containing anti-CD3 and anti-CD28 bispecific antibodies triggers strong and durable antitumor activity in human lymphocytes. 2006 , 118, 658-67	21
1216	Tumor selective replication of Newcastle disease virus: association with defects of tumor cells in antiviral defence. 2006 , 119, 328-38	106
1215	Adenovirus efficiently transduces plasmacytoid dendritic cells resulting in TLR9-dependent maturation and IFN-alpha production. 2006 , 8, 1300-6	89
1214	Toll-like receptors in central nervous system glial inflammation and homeostasis. 2006 , 83, 711-30	284
1213	Expression and regulation of Toll-like receptors in lupus-like immune complex glomerulonephritis of MRL-Fas(lpr) mice. 2006 , 21, 3062-73	100
1212	Biological and Clinical Properties of the Type 1 Interferons. 2006 , 365-396	
1211	A pathway analysis of poly(I:C)-induced global gene expression change in human peripheral blood mononuclear cells. 2006 , 26, 125-33	46
1210	Innate recognition of bacteria: potential therapeutic targets for bacterial sepsis. 2006 , 2, 787-99	
1209	Differential response of dendritic cells to human metapneumovirus and respiratory syncytial virus. 2006 , 34, 320-9	153

1208	Immunopathogenesis: role of innate and adaptive immune responses. 2006 , 26, 104-15	33
1207	Interferon action and the double-stranded RNA-dependent enzymes ADAR1 adenosine deaminase and PKR protein kinase. 2006 , 81, 369-434	74
1206	Unraveling the immunologist's dirty little secret 2006 , 1-16	3
1205	Identification of a novel pathway essential for the immediate-early, interferon-independent antiviral response to enveloped virions. 2006 , 80, 226-35	58
1204	Microbial nucleic acids pay a Toll in kidney disease. 2006 , 291, F509-16	23
1203	Diesel exhaust enhances virus- and poly(I:C)-induced Toll-like receptor 3 expression and signaling in respiratory epithelial cells. 2006 , 290, L1154-63	38
1202	Negative regulators of toll-like receptor 4-mediated macrophage inflammatory response. 2006 , 12, 4143-53	27
1201	TLR3 can directly trigger apoptosis in human cancer cells. 2006 , 176, 4894-901	365
1200	Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. 2006 , 12, 133-50	163
1199	Intervention of Toll-like receptor-mediated human innate immunity and inflammation by synthetic compounds and naturally occurring products. 2006 , 13, 1389-95	18
1198	Dissociation of a MAVS/IPS-1/VISA/Cardif-IKKeppsi molecular complex from the mitochondrial outer membrane by hepatitis C virus NS3-4A proteolytic cleavage. 2006 , 80, 6072-83	188
1197	Lipoprotein is a predominant Toll-like receptor 2 ligand in Staphylococcus aureus cell wall components. 2006 , 18, 355-62	130
1196	Expression of Toll-like receptors (TLR) and responsiveness to TLR agonists by polarized mouse uterine epithelial cells in culture. 2006 , 75, 131-9	43
1195	The molecular structure of the TLR3 extracellular domain. 2006 , 12, 375-8	28
1194	Dysregulated Toll-like receptor expression and signaling in bone marrow-derived macrophages at the onset of diabetes in the non-obese diabetic mouse. 2006 , 18, 1101-13	102
1193	Toll-like receptors and corneal innate immunity. 2006 , 6, 327-37	94
1192	Innate immunity in the mucosal immune system. 2006 , 12, 4203-13	51
1191	Detrimental contribution of the Toll-like receptor (TLR)3 to influenza A virus-induced acute pneumonia. 2006 , 2, e53	390

1190	Defining a Role for Mucosal Immunity in the Prevention and Pathogenesis of Respiratory Allergic Diseases. 2006 , 2, 157-167	1
1189	Roles for accessory molecules in microbial recognition by Toll-like receptors. 2006 , 12, 195-204	115
1188	New strategies for immune-mediated anti-viral drug and vaccine development. 2006 , 12, 1391-401	4
1187	Toll-like receptors in human infectious diseases. 2006 , 12, 4173-84	7
1186	RNA-mediated therapeutics: from gene inactivation to clinical application. 2006 , 6, 1737-58	4
1185	'Toll' gates for future immunotherapy. 2006 , 12, 4135-42	58
1184	Therapeutic targeting of toll-like receptors in gastrointestinal inflammation. 2006 , 12, 4215-28	32
1183	Toll-like receptor-7 modulates immune complex glomerulonephritis. 2006 , 17, 141-9	110
1182	TLR3 deletion limits mortality and disease severity due to Phlebovirus infection. 2006 , 177, 6301-7	103
1181	Recombinant Eimeria protozoan protein elicits resistance to acute phlebovirus infection in mice but not hamsters. 2006 , 50, 2023-9	22
1180	The amino-terminal domain of bovine viral diarrhea virus Npro protein is necessary for alpha/beta interferon antagonism. 2006 , 80, 900-11	71
1179	Distinct induction patterns and functions of two closely related interferon-inducible human genes, ISG54 and ISG56. 2006 , 281, 34064-71	126
1178	The envelope protein of a human endogenous retrovirus-W family activates innate immunity through CD14/TLR4 and promotes Th1-like responses. 2006 , 176, 7636-44	181
1177	Essential role of IPS-1 in innate immune responses against RNA viruses. 2006 , 203, 1795-803	407
1176	Identification of small heat shock protein B8 (HSP22) as a novel TLR4 ligand and potential involvement in the pathogenesis of rheumatoid arthritis. 2006 , 176, 7021-7	230
1175	Invited review: Roles for accessory molecules in microbial recognition by Toll-like receptors. 2006 , 12, 195-204	16
1174	PKR and RNase L contribute to protection against lethal West Nile Virus infection by controlling early viral spread in the periphery and replication in neurons. 2006 , 80, 7009-19	199
1173	TLR agonists abrogate costimulation blockade-induced prolongation of skin allografts. 2006 , 176, 1561-70	115

1172	Role for TLR2 in NK cell-mediated control of murine cytomegalovirus in vivo. 2006 , 80, 4286-91	107
1171	Innate immunity at the mucosal surface: role of toll-like receptor 3 and toll-like receptor 9 in cervical epithelial cell responses to microbial pathogens. 2006 , 74, 824-31	91
1170	Expression and secretion of antiviral factors by trophoblast cells following stimulation by the TLR-3 agonist, Poly(I : C). 2006 , 21, 2432-9	86
1169	Development of a clinical assay to evaluate toll-like receptor function. 2006 , 13, 68-76	38
1168	TLR4 is required for host resistance in <i>Pseudomonas aeruginosa</i> keratitis. 2006 , 47, 4910-6	69
1167	Structural and functional analyses of the human Toll-like receptor 3. Role of glycosylation. 2006 , 281, 11144-51	87
1166	Forensic Pathology Reviews. 2006 ,	5
1165	Hsp90 regulates activation of interferon regulatory factor 3 and TBK-1 stabilization in Sendai virus-infected cells. 2006 , 17, 1461-71	72
1164	Live <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> , and <i>Neisseria meningitidis</i> activate the inflammatory response through Toll-like receptors 2, 4, and 9 in species-specific patterns. 2006 , 80, 267-77	139
1163	Negative regulation of the retinoic acid-inducible gene I-induced antiviral state by the ubiquitin-editing protein A20. 2006 , 281, 2095-103	185
1162	Toll-like receptor 2 is required for inflammatory responses to <i>Francisella tularensis</i> LVS. 2006 , 74, 2809-16	115
1161	Toll-like receptor priming sensitizes macrophages to proinflammatory cytokine gene induction by deoxynivalenol and other toxicants. 2006 , 92, 445-55	62
1160	Impact of protein kinase PKR in cell biology: from antiviral to antiproliferative action. 2006 , 70, 1032-60	565
1159	Relationships between the autonomic nervous system, humoral factors and immune functions in the intestine. 2006 , 74, 215-27	24
1158	AsialoGM1-mediated IL-8 release by human corneal epithelial cells requires coexpression of TLR5. 2006 , 47, 4810-8	17
1157	Toll-like receptor-independent triggering of dendritic cell maturation by viruses. 2006 , 80, 3128-34	25
1156	Yellow fever vaccine YF-17D activates multiple dendritic cell subsets via TLR2, 7, 8, and 9 to stimulate polyvalent immunity. 2006 , 203, 413-24	426
1155	A comprehensive map of the toll-like receptor signaling network. 2006 , 2, 2006.0015	260

1154	Influenza A virus NS1 protein does not suppress RNA interference in mammalian cells. 2006 , 87, 2639-2644	39
1153	Humoral responses against coimmunized protein antigen but not against alphavirus-encoded antigens require alpha/beta interferon signaling. 2006 , 80, 7100-10	38
1152	TLR3-involved modulation of pregnancy tolerance in double-stranded RNA-stimulated NOD/SCID mice. 2006 , 176, 4147-54	41
1151	SIGIRR promotes resistance against <i>Pseudomonas aeruginosa</i> keratitis by down-regulating type-1 immunity and IL-1R1 and TLR4 signaling. 2006 , 177, 548-56	73
1150	Human effector CD8+ T lymphocytes express TLR3 as a functional coreceptor. 2006 , 177, 8708-13	98
1149	Role of TLR9 in anti-nucleosome and anti-DNA antibody production in lpr mutation-induced murine lupus. 2006 , 177, 1349-54	133
1148	Cutting edge: Role of TANK-binding kinase 1 and inducible IkappaB kinase in IFN responses against viruses in innate immune cells. 2006 , 177, 5785-9	75
1147	Cell-associated double-stranded RNA enhances antitumor activity through the production of type I IFN. 2006 , 177, 6122-8	44
1146	Vaccine Adjuvants. 2006 ,	6
1145	Essential role of mda-5 in type I IFN responses to polyriboinosinic:polyribocytidylic acid and encephalomyocarditis picornavirus. 2006 , 103, 8459-64	909
1144	The dsRNA binding site of human Toll-like receptor 3. 2006 , 103, 8792-7	186
1143	Dynamic imaging of dendritic cell extension into the small bowel lumen in response to epithelial cell TLR engagement. 2006 , 203, 2841-52	565
1142	Toll-like Receptors. 119-127	
1141	Hypersensitivity and loss of disease site targeting caused by antibody responses to PEGylated liposomes. 2006 , 13, 328-37	200
1140	Genetic analysis of innate immunity. 2006 , 91, 175-226	28
1139	<i>H. influenzae</i> potentiates airway epithelial cell responses to rhinovirus by increasing ICAM-1 and TLR3 expression. 2006 , 20, 2121-3	113
1138	Tumor necrosis factor alpha enhances influenza A virus-induced expression of antiviral cytokines by activating RIG-I gene expression. 2006 , 80, 3515-22	111
1137	The 3' CCACCA sequence of tRNAAla(UGC) is the motif that is important in inducing Th1-like immune response, and this motif can be recognized by Toll-like receptor 3. 2006 , 13, 733-9	22

1136	The immune response during hepatitis B virus infection. 2006 , 87, 1439-1449	294
1135	Localization of TLR2 and MyD88 to Chlamydia trachomatis inclusions. Evidence for signaling by intracellular TLR2 during infection with an obligate intracellular pathogen. 2006 , 281, 1652-9	94
1134	Oligodeoxynucleotides differentially modulate activation of TLR7 and TLR8 by imidazoquinolines. 2006 , 177, 8164-70	76
1133	Microglia recognize double-stranded RNA via TLR3. 2006 , 176, 3804-12	145
1132	The Ret finger protein inhibits signaling mediated by the noncanonical and canonical I κ B kinase family members. 2006 , 176, 1072-80	66
1131	TLR activation of Langerhans cell-like dendritic cells triggers an antiviral immune response. 2006 , 177, 298-305	105
1130	Requirement for CD70 in CD4+ Th cell-dependent and innate receptor-mediated CD8+ T cell priming. 2006 , 177, 2969-75	49
1129	TLR7/8 triggering exerts opposing effects in acute versus latent HIV infection. 2006 , 176, 2888-95	98
1128	Deletion of TLR3 alters the pulmonary immune environment and mucus production during respiratory syncytial virus infection. 2006 , 176, 1937-42	160
1127	Membrane sorting of toll-like receptor (TLR)-2/6 and TLR2/1 heterodimers at the cell surface determines heterotypic associations with CD36 and intracellular targeting. 2006 , 281, 31002-11	337
1126	Cutting edge: activation of murine TLR8 by a combination of imidazoquinoline immune response modifiers and polyT oligodeoxynucleotides. 2006 , 177, 6584-7	168
1125	Role of MAPK in the regulation of double-stranded RNA- and encephalomyocarditis virus-induced cyclooxygenase-2 expression by macrophages. 2006 , 177, 3413-20	51
1124	Not lipoteichoic acid but lipoproteins appear to be the dominant immunobiologically active compounds in Staphylococcus aureus. 2006 , 177, 3162-9	188
1123	The IFN-independent response to virus particle entry provides a first line of antiviral defense that is independent of TLRs and retinoic acid-inducible gene I. 2006 , 177, 8008-16	90
1122	Cytokines in atherosclerosis: pathogenic and regulatory pathways. 2006 , 86, 515-81	1222
1121	Reovirus strain-dependent inflammatory cytokine responses and replication patterns in a human monocyte cell line. 2006 , 19, 546-57	6
1120	Design of noninflammatory synthetic siRNA mediating potent gene silencing in vivo. 2006 , 13, 494-505	455
1119	Sp1 elements regulate transcriptional activity within the murine Toll-like receptor 4 promoter. 2006 , 7, 489-99	10

1118	Critical role for Cryopyrin/Nalp3 in activation of caspase-1 in response to viral infection and double-stranded RNA. 2006 , 281, 36560-8	525
1117	Toll-like receptor-dependent and -independent viperin gene expression and counter-regulation by PRDI-binding factor-1/BLIMP1. 2006 , 281, 26188-95	93
1116	Respiratory syncytial virus induces TLR3 protein and protein kinase R, leading to increased double-stranded RNA responsiveness in airway epithelial cells. 2006 , 176, 1733-40	202
1115	Innate cytokine responses in porcine macrophage populations: evidence for differential recognition of double-stranded RNA. 2006 , 177, 8432-9	28
1114	Direct costimulatory effect of TLR3 ligand poly(I:C) on human gamma delta T lymphocytes. 2006 , 176, 1348-54	138
1113	Differential activation of IFN regulatory factor (IRF)-3 and IRF-5 transcription factors during viral infection. 2006 , 176, 7462-70	60
1112	Intestinal microvascular endothelium and innate immunity in inflammatory bowel disease: a second line of defense?. 2006 , 74, 5425-32	32
1111	Expression of toll-like receptors by human muscle cells in vitro and in vivo: TLR3 is highly expressed in inflammatory and HIV myopathies, mediates IL-8 release and up-regulation of NKG2D-ligands. 2006 , 20, 118-20	73
1110	Herpes simplex virus 1 (HSV-1) DNA and immune complex (HSV-1-human IgG) elicit vigorous interleukin 6 release from infected corneal cells via Toll-like receptors. 2006 , 87, 2161-2169	43
1109	Distinct functions between toll-like receptors 3 and 9 in retinal pigment epithelial cells. 2007 , 39, 155-63	43
1108	Avian genomics and the innate immune response to viruses. 2007 , 117, 207-12	7
1107	Regulation of IRF-3-dependent innate immunity by the papain-like protease domain of the severe acute respiratory syndrome coronavirus. 2007 , 282, 32208-21	295
1106	The interaction between the ER membrane protein UNC93B and TLR3, 7, and 9 is crucial for TLR signaling. 2007 , 177, 265-75	349
1105	Toll-like receptor 3 is a potent negative regulator of axonal growth in mammals. 2007 , 27, 13033-41	170
1104	Calcineurin negatively regulates TLR-mediated activation pathways. 2007 , 179, 4598-607	85
1103	Influenza virus-induced type I interferon leads to polyclonal B-cell activation but does not break down B-cell tolerance. 2007 , 81, 12525-34	12
1102	Role of interferon regulatory factor 3 in type I interferon responses in rotavirus-infected dendritic cells and fibroblasts. 2007 , 81, 2758-68	26
1101	B7-DC/PD-L2 cross-linking induces NF-kappaB-dependent protection of dendritic cells from cell death. 2007 , 178, 1426-32	26

1100	TLR3 is essential for the induction of protective immunity against Punta Toro Virus infection by the double-stranded RNA (dsRNA), poly(I:C12U), but not Poly(I:C): differential recognition of synthetic dsRNA molecules. 2007 , 178, 5200-8	94
1099	Effects of single nucleotide polymorphisms on Toll-like receptor 3 activity and expression in cultured cells. 2007 , 282, 17696-705	106
1098	Protein kinase Calpha is involved in interferon regulatory factor 3 activation and type I interferon-beta synthesis. 2007 , 282, 15022-32	25
1097	A single enzyme catalyzes both platelet-activating factor production and membrane biogenesis of inflammatory cells. Cloning and characterization of acetyl-CoA:LYSO-PAF acetyltransferase. 2007 , 282, 6532-9	172
1096	Candida albicans triggers activation of distinct signaling pathways to establish a proinflammatory gene expression program in primary human endothelial cells. 2007 , 179, 8435-45	51
1095	IL-8 and IDO expression by human gingival fibroblasts via TLRs. 2007 , 178, 1151-7	112
1094	Cutting Edge: Influenza A virus activates TLR3-dependent inflammatory and RIG-I-dependent antiviral responses in human lung epithelial cells. 2007 , 178, 3368-72	308
1093	Engagement of TLR3, TLR7, and NKG2D regulate IFN-gamma secretion but not NKG2D-mediated cytotoxicity by human NK cells stimulated with suboptimal doses of IL-12. 2007 , 179, 3472-9	98
1092	Recognition of double-stranded RNA by TLR3 induces severe small intestinal injury in mice. 2007 , 178, 4548-56	89
1091	TLR signaling fine-tunes anti-influenza B cell responses without regulating effector T cell responses. 2007 , 178, 2182-91	166
1090	Single-stranded RNA derived from HIV-1 serves as a potent activator of NK cells. 2007 , 178, 7658-66	87
1089	Activation of innate immune defense mechanisms by signaling through RIG-I/IPS-1 in intestinal epithelial cells. 2007 , 179, 5425-32	71
1088	Type 1 IFN mediates cross-talk between innate and adaptive immunity that abrogates transplantation tolerance. 2007 , 179, 6620-9	59
1087	Thioaptamer decoy targeting of AP-1 proteins influences cytokine expression and the outcome of arenavirus infections. 2007 , 88, 981-990	29
1086	Role of TLR4 tyrosine phosphorylation in signal transduction and endotoxin tolerance. 2007 , 282, 16042-53	148
1085	Early innate immune responses to Sin Nombre hantavirus occur independently of IFN regulatory factor 3, characterized pattern recognition receptors, and viral entry. 2007 , 179, 1796-802	40
1084	Expression and functionality of Toll-like receptors in the skin: potential implication in skin inflammatory diseases. 2007 , 2, 357-365	1
1083	Toll-like receptor signal transduction. 2007 , 39, 421-38	180

1082	Current Topics in Innate Immunity. 2007 ,	2
1081	Administration of high-dose intact immunoglobulin has an anti-resorption effect in a mouse model of reproductive failure. 2007 , 13, 807-14	7
1080	Toll-like receptors, new horizons in sepsis. 2007 , 7, 522-31	6
1079	Toll-like receptor 3 is an essential component of the innate stress response in virus-induced cardiac injury. 2007 , 292, H251-8	136
1078	Expression of Toll-like receptors in cultured nasal epithelial cells. 2007 , 127, 395-402	27
1077	Eosinophils contribute to innate antiviral immunity and promote clearance of respiratory syncytial virus. 2007 , 110, 1578-86	200
1076	TBK1 protects vacuolar integrity during intracellular bacterial infection. 2007 , 3, e29	61
1075	Designing recombinant vaccines with viral properties: a rational approach to more effective vaccines. 2007 , 7, 143-55	67
1074	Microglial signal transduction as a target of alcohol action in the brain. 2007 , 4, 131-42	23
1073	Regulation of innate immunity by MAPK dual-specificity phosphatases: knockout models reveal new tricks of old genes. 2007 , 81, 860-9	56
1072	Toll-like receptors and pregnancy. 2007 , 14, 297-9	9
1071	Double-stranded RNA induces galectin-9 in vascular endothelial cells: involvement of TLR3, PI3K, and IRF3 pathway. 2007 , 17, 12C-5C	33
1070	Activation of the innate immune system in atherosclerotic disease. 2007 , 13, 983-94	28
1069	Afferent and efferent interfaces of lymph nodes are distinguished by expression of lymphatic endothelial markers and chemokines. 2007 , 5, 91-103	16
1068	Human oviductal epithelial cells express Toll-like receptor 3 and respond to double-stranded RNA: Fallopian tube-specific mucosal immunity against viral infection. 2007 , 22, 356-61	20
1067	Identification and characterization of a dysfunctional cardiac myocyte phenotype: role of bacteria, Toll-like receptors, and endothelin. 2007 , 28, 434-40	6
1066	Stat1 required for interferon-inducible but not constitutive responsiveness to extracellular dsRNA. 2007 , 27, 411-24	6
1065	Increased mucosal expression of Toll-like receptor (TLR)2 and TLR4 in coeliac disease. 2007 , 45, 187-93	69

1064	Therapeutic use of molecules that mimic pathogen danger signals. 2007 , 7, 177-86	1
1063	Toll-like receptors impact on safety and efficacy of gene transfer vectors. 2007 , 15, 1417-22	30
1062	Diacylglycerol kinase zeta regulates microbial recognition and host resistance to <i>Toxoplasma gondii</i> . 2007 , 204, 781-92	54
1061	Suppression of iodide uptake and thyroid hormone synthesis with stimulation of the type I interferon system by double-stranded ribonucleic acid in cultured human thyroid follicles. 2007 , 148, 3226-35	37
1060	Enlarged spleens without enlarged lymph nodes in <i>tlr3</i> ^{-/-} <i>pkc</i> ^{-/-} mice. 2007 , 27, 6-12	1
1059	Immune modulation and tolerance induction by RelB-silenced dendritic cells through RNA interference. 2007 , 178, 5480-7	110
1058	Key differences in TLR3/poly I:C signaling and cytokine induction by human primary cells: a phenomenon absent from murine cell systems. 2007 , 110, 3245-52	126
1057	Role of MyD88 and TLR9 in the innate immune response elicited by serotype 5 adenoviral vectors. 2007 , 18, 753-62	76
1056	MicroRNA-155 is induced during the macrophage inflammatory response. 2007 , 104, 1604-9	1495
1055	IL-1R1/MyD88 signaling and the inflammasome are essential in pulmonary inflammation and fibrosis in mice. 2007 , 117, 3786-99	318
1054	Induction of MxA gene expression by influenza A virus requires type I or type III interferon signaling. 2007 , 81, 7776-85	175
1053	Inhibition of retinoic acid-inducible gene I-mediated induction of beta interferon by the NS1 protein of influenza A virus. 2007 , 81, 514-24	468
1052	Type I interferon during viral infections: multiple triggers for a multifunctional mediator. 2007 , 316, 337-57	38
1051	MyD88-5 links mitochondria, microtubules, and JNK3 in neurons and regulates neuronal survival. 2007 , 204, 2063-74	153
1050	Cytomegalovirus induces interferon-stimulated gene expression and is attenuated by interferon in the developing brain. 2007 , 81, 332-48	31
1049	Extracellular RNA constitutes a natural procoagulant cofactor in blood coagulation. 2007 , 104, 6388-93	408
1048	Differential type I IFN-inducing abilities of wild-type versus vaccine strains of measles virus. 2007 , 179, 6123-33	101
1047	Protein kinase PKR plays a stimulus- and virus-dependent role in apoptotic death and virus multiplication in human cells. 2007 , 81, 8192-200	76

1046	IFN-alpha regulates Toll-like receptor-mediated IL-27 gene expression in human macrophages. 2007 , 82, 1185-92	91
1045	Activation of toll-like receptors 2 or 3 and preterm delivery in the mouse. 2007 , 14, 315-20	110
1044	Tissue-specific and inducer-specific differential induction of ISG56 and ISG54 in mice. 2007 , 81, 8656-65	55
1043	Type I interferons produced by hematopoietic cells protect mice against lethal infection by mammalian reovirus. 2007 , 204, 1349-58	63
1042	TLR3-mediated synthesis and release of eotaxin-1/CCL11 from human bronchial smooth muscle cells stimulated with double-stranded RNA. 2007 , 178, 489-95	46
1041	Polyinosinic acid is a ligand for toll-like receptor 3. 2007 , 282, 24759-66	84
1040	Critical role of toll-like receptors and nucleotide oligomerisation domain in the regulation of health and disease. 2007 , 193, 323-30	107
1039	Selective use of TRAM in lipopolysaccharide (LPS) and lipoteichoic acid (LTA) induced NF-kappaB activation and cytokine production in primary human cells: TRAM is an adaptor for LPS and LTA signaling. 2007 , 178, 2148-54	36
1038	A critical role for IRAK4 kinase activity in Toll-like receptor-mediated innate immunity. 2007 , 204, 1025-36	201
1037	Menstrual cycle-dependent changes of Toll-like receptors in endometrium. 2007 , 22, 586-93	98
1036	Poly(I:C) and lipopolysaccharide innate sensing functions of circulating human myeloid dendritic cells are affected in vivo in hepatitis C virus-infected patients. 2007 , 81, 5537-46	37
1035	IFN-epsilon mediates TNF-alpha-induced STAT1 phosphorylation and induction of retinoic acid-inducible gene-1 in human cervical cancer cells. 2007 , 179, 4542-9	31
1034	Variable requirement of dendritic cells for recruitment of NK and T cells to different TLR agonists. 2007 , 178, 3886-92	9
1033	Spatiotemporal mobilization of Toll/IL-1 receptor domain-containing adaptor molecule-1 in response to dsRNA. 2007 , 179, 6867-72	72
1032	Stabilized immune modulatory RNA compounds as agonists of Toll-like receptors 7 and 8. 2007 , 104, 13750-5	60
1031	Immunomodulatory effects of viral TLR ligands on experimental asthma depend on the additive effects of IL-12 and IL-10. 2007 , 178, 7805-13	102
1030	MyD88-dependent and MyD88-independent pathways in synergy, priming, and tolerance between TLR agonists. 2007 , 178, 1164-71	241
1029	NK3-like NK cells are involved in protective effect of polyinosinic-polycytidylic acid on type 1 diabetes in nonobese diabetic mice. 2007 , 178, 2141-7	34

1028	NKp46 and NKG2D recognition of infected dendritic cells is necessary for NK cell activation in the human response to influenza infection. 2007 , 178, 2688-98	165
1027	Evidence for evolving Toll-IL-1 receptor-containing adaptor molecule function in vertebrates. 2007 , 178, 4517-27	74
1026	TLR3-dependent induction of nitric oxide synthase in RAW 264.7 macrophage-like cells via a cytosolic phospholipase A2/cyclooxygenase-2 pathway. 2007 , 179, 4821-8	51
1025	Innate immunity and inflammation--New frontiers in comparative cardiovascular pathology. 2007 , 73, 26-36	55
1024	TLR7/8 agonists impair monocyte-derived dendritic cell differentiation and maturation. 2007 , 81, 221-8	25
1023	Retinoic acid-inducible gene-I and interferon-beta promoter stimulator-1 augment proapoptotic responses following mammalian reovirus infection via interferon regulatory factor-3. 2007 , 282, 21953-61	100
1022	Viral determinants of resistance to treatment in patients with hepatitis C. 2007 , 20, 23-38	126
1021	A protein associated with Toll-like receptor (TLR) 4 (PRAT4A) is required for TLR-dependent immune responses. 2007 , 204, 2963-76	131
1020	A high throughput in vivo model for testing delivery and antiviral effects of siRNAs in vertebrates. 2007 , 15, 1366-72	23
1019	Role of RIG-I, MDA-5, and PKR on the expression of inflammatory chemokines induced by synthetic dsRNA in airway epithelial cells. 2007 , 143 Suppl 1, 80-3	51
1018	West Nile virus envelope protein inhibits dsRNA-induced innate immune responses. 2007 , 179, 8403-9	58
1017	West Nile virus-induced interferon production is mediated by the double-stranded RNA-dependent protein kinase PKR. 2007 , 81, 11148-58	89
1016	Identification of Toll-like receptor 3 as a potential therapeutic target in clear cell renal cell carcinoma. 2007 , 13, 5703-9	72
1015	Biochemical and functional analyses of the human Toll-like receptor 3 ectodomain. 2007 , 282, 7668-78	50
1014	Chlamydia muridarum infection elicits a beta interferon response in murine oviduct epithelial cells dependent on interferon regulatory factor 3 and TRIF. 2007 , 75, 1280-90	36
1013	Evidence of immunostimulating lipoprotein existing in the natural lipoteichoic acid fraction. 2007 , 75, 1926-32	36
1012	Innate immune response to adenoviral vectors is mediated by both Toll-like receptor-dependent and -independent pathways. 2007 , 81, 3170-80	280
1011	Induction of nitric oxide synthase by rotavirus enterotoxin NSP4: implication for rotavirus pathogenicity. 2007 , 88, 2064-2072	28

1010	Surgery as a risk factor for breast cancer recurrence and metastasis: mediating mechanisms and clinical prophylactic approaches. 2006 , 26, 99-114	79
1009	Reducing the toll of inflammatory lung disease. 2007 , 131, 1550-6	39
1008	Crucial roles of binding sites for NF-kappaB and C/EBPs in IkappaB-zeta-mediated transcriptional activation. 2007 , 405, 605-15	63
1007	Synthetic agonists of Toll-like receptors 7, 8 and 9. 2007 , 35, 1461-7	106
1006	The pharmacology of endosomal TLR agonists in viral disease. 2007 , 35, 1468-72	30
1005	Innate immunity against vaccinia virus is mediated by TLR2 and requires TLR-independent production of IFN-beta. 2007 , 109, 619-25	152
1004	Immunostimulatory RNA oligonucleotides trigger an antigen-specific cytotoxic T-cell and IgG2a response. 2007 , 109, 2953-60	50
1003	TLR3 ligand stimulates fully functional memory CD8+ T cells in the absence of CD4+ T-cell help. 2007 , 109, 5318-26	53
1002	Inflammation enhances consumption and presentation of transfused RBC antigens by dendritic cells. 2007 , 110, 2736-43	105
1001	Molecular and cellular basis of microflora-host interactions. 2007 , 137, 756S-72S	101
1000	Expression of toll-like receptors in the healthy and herpes simplex virus-infected cornea. 2007 , 26, 847-52	30
999	Induction of indefinite cardiac allograft survival correlates with toll-like receptor 2 and 4 downregulation after serine protease inhibitor-1 (Serp-1) treatment. 2007 , 84, 1158-67	24
998	Pathogenesis of myositis in children. 2007 , 19, 487-91	12
997	CD4+ T helper cell response is required for memory in CD8+ T lymphocytes induced by a poly(I:C)-adjuvanted MHC I-restricted peptide epitope. 2007 , 30, 180-9	16
996	Sepsis since the discovery of Toll-like receptors: disease concepts and therapeutic opportunities. 2007 , 35, 1404-10	32
995	Th1 polarization of CD4+ T cells by Toll-like receptor 3-activated human microglia. 2007 , 66, 848-59	27
994	Evaluation of neurovirulence and biodistribution of Venezuelan equine encephalitis replicon particles expressing herpes simplex virus type 2 glycoprotein D. 2007 , 25, 2296-305	9
993	Adjuvant effects of plasmid-generated hairpin RNA molecules on DNA vaccination. 2007 , 25, 6992-7000	8

992	Regulation of lupus-related autoantibody production and clinical disease by Toll-like receptors. 2007 , 19, 11-23	132
991	Viral recognition by Toll-like receptors. 2007 , 19, 33-40	158
990	Immediate and broad-spectrum protection against heterologous and heterotypic lethal challenge in mice by live influenza vaccine. 2007 , 25, 8067-76	21
989	Preventive and therapeutic antitumor effect of tumor vaccine composed of CpG ODN class C and irradiated tumor cells is triggered through the APCs and activation of CTLs. 2007 , 25, 8241-56	14
988	Innate immune responses induced by classes of CpG oligodeoxynucleotides in ovine lymph node and blood mononuclear cells. 2007 , 115, 24-34	26
987	Toll-like receptor 3 (TLR3): a new marker of canine monocytes-derived dendritic cells (cMo-DC). 2007 , 118, 134-9	6
986	Subversion of innate host antiviral strategies by the hepatitis C virus. 2007 , 462, 254-65	32
985	Inducing a mode of NK-resistance to suppression by stress and surgery: a potential approach based on low dose of poly I-C to reduce postoperative cancer metastasis. 2007 , 21, 395-408	23
984	The sickness behaviour and CNS inflammatory mediator profile induced by systemic challenge of mice with synthetic double-stranded RNA (poly I:C). 2007 , 21, 490-502	214
983	Effects of prenatal infection on prepulse inhibition in the rat depend on the nature of the infectious agent and the stage of pregnancy. 2007 , 181, 270-7	190
982	Development of immunostimulatory virotherapy using non-transmissible Sendai virus-activated dendritic cells. 2007 , 355, 129-35	21
981	RNA quality control in eukaryotes. 2007 , 131, 660-8	256
980	Viral-associated exacerbations of asthma and COPD. 2007 , 7, 252-8	41
979	The innate immune response to grass carp hemorrhagic virus (GCHV) in cultured <i>Carassius auratus</i> blastulae (CAB) cells. 2007 , 31, 232-43	84
978	Characterization of twin toll-like receptors from rainbow trout (<i>Oncorhynchus mykiss</i>): evolutionary relationship and induced expression by <i>Aeromonas salmonicida</i> <i>salmonicida</i> . 2007 , 31, 499-510	85
977	Infectious salmon anemia virus is a powerful inducer of key genes of the type I interferon system of Atlantic salmon, but is not inhibited by interferon. 2007 , 23, 378-89	85
976	Triggering antiviral response by RIG-I-related RNA helicases. 2007 , 89, 754-60	61
975	Interferon, a growing cytokine family: 50 years of interferon research. 2007 , 89, 713-8	84

974	Study of disease-relevant polymorphisms in the TLR4 and TLR9 genes: a novel method applied to the analysis of the Portuguese population. 2007 , 21, 316-20	24
973	Coactivation of Toll-like receptor-3 and -7 in immune complex glomerulonephritis. 2007 , 29, 52-9	59
972	Immunobiology of toll-like receptors in allergic disease. 2007 , 212, 521-33	33
971	Toll-like receptor 2 senses beta-cell death and contributes to the initiation of autoimmune diabetes. 2007 , 27, 321-33	175
970	Innate recognition of viruses. 2007 , 27, 370-83	542
969	Toll-like receptor 3 agonist enhances IFN-gamma and TNF-alpha production by murine uterine NK cells. 2007 , 7, 588-96	19
968	Toll-like receptors in inflammation, infection and cancer. 2007 , 7, 1271-85	264
967	Double-stranded RNA increases kinin B1 receptor expression and function in human airway epithelial cells. 2007 , 7, 1880-7	8
966	RIG-I: trying to discriminate between self and non-self RNA. 2007 , 28, 147-50	49
965	Phosphatidylinositol 3-kinase-mediated regulation of IL-10 and IL-12 production in macrophages stimulated with CpG oligodeoxynucleotide. 2007 , 44, 1323-30	23
964	Molecular cloning of proteasome activator PA28-beta subunit of large yellow croaker (<i>Pseudosciana crocea</i>) and its coordinated up-regulation with MHC class I alpha-chain and beta 2-microglobulin in poly I:C-treated fish. 2007 , 44, 1190-7	20
963	Protein kinase R, I kappa B kinase-beta and NF-kappa B are required for human rhinovirus induced pro-inflammatory cytokine production in bronchial epithelial cells. 2007 , 44, 1587-97	33
962	TLR2 and TLR4 agonists synergistically up-regulate SR-A in RAW264.7 through p38. 2007 , 44, 2315-23	35
961	Synergy of CpG oligodeoxynucleotide and double-stranded RNA (poly I:C) on nitric oxide induction in chicken peripheral blood monocytes. 2007 , 44, 3234-42	75
960	Distinct role of MAPKAPK-2 in the regulation of TNF gene expression by Toll-like receptor 7 and 9 ligands. 2007 , 44, 3482-91	20
959	C-terminal LRRs of human Toll-like receptor 3 control receptor dimerization and signal transmission. 2007 , 44, 3633-40	24
958	Therapeutic implications of the TLR and VDR partnership. 2007 , 13, 117-24	84
957	MAPPIT analysis of TLR adaptor complexes. 2007 , 581, 629-36	23

956	Leptin-dependent toll-like receptor expression and responsiveness in preadipocytes and adipocytes. 2007 , 170, 1931-41	78
955	Murine cerebral malaria development is independent of toll-like receptor signaling. 2007 , 170, 1640-8	81
954	Wound healing is impaired in MyD88-deficient mice: a role for MyD88 in the regulation of wound healing by adenosine A2A receptors. 2007 , 171, 1774-88	127
953	High basal levels of functional toll-like receptor 3 (TLR3) and noncanonical Wnt5a are expressed in papillary thyroid cancer and are coordinately decreased by phenylmethimazole together with cell proliferation and migration. 2007 , 148, 4226-37	63
952	Protective effect of interferon-alpha on the DNA- and RNA-degrading pathway in anti-Fas-antibody induced apoptosis. 2007 , 37, 637-46	4
951	Tumor cells prevent mouse dendritic cell maturation induced by TLR ligands. 2007 , 56, 1237-50	32
950	General Principles of Tumor Immunotherapy. 2007 ,	2
949	Immunological Tolerance. 2007 ,	
948	The Papillomaviruses. 2007 ,	3
947	Negative regulation of MDA5- but not RIG-I-mediated innate antiviral signaling by the dihydroxyacetone kinase. 2007 , 104, 11706-11	106
946	Toll-like receptor 3 expressed by melanoma cells as a target for therapy?. 2007 , 13, 4565-74	171
945	TLR3 deficiency in patients with herpes simplex encephalitis. 2007 , 317, 1522-7	842
944	Pathogen-associated molecular pattern contamination as putative endogenous ligands of Toll-like receptors. 2007 , 13, 6-14	84
943	Mouse hepatitis virus does not induce Beta interferon synthesis and does not inhibit its induction by double-stranded RNA. 2007 , 81, 568-74	97
942	2'-O-methyl-modified RNAs act as TLR7 antagonists. 2007 , 15, 1663-9	238
941	Study of hepatocytes using RNA interference. 2007 , 3, 164-182	
940	Maternal immune activation alters fetal brain development through interleukin-6. 2007 , 27, 10695-702	1082
939	Viral stress-inducible genes. 2007 , 70, 233-63	43

938	Heterogeneity of TLR3 mRNA transcripts and responsiveness to poly (I:C) in human NK cells derived from different donors. 2007 , 19, 1341-8	22
937	Toll-like receptor 3 gene polymorphisms in Japanese patients with Stevens-Johnson syndrome. 2007 , 91, 962-5	89
936	Toll-like receptors in dermatology. 2007 , 25, 531-40, viii	14
935	The neurodevelopmental impact of prenatal infections at different times of pregnancy: the earlier the worse?. 2007 , 13, 241-56	189
934	Genetic polymorphisms of viral infection-associated Toll-like receptors in Chinese population. 2007 , 150, 311-8	82
933	Toll like receptor-3 ligand poly-ICLC promotes the efficacy of peripheral vaccinations with tumor antigen-derived peptide epitopes in murine CNS tumor models. 2007 , 5, 10	139
932	Development of a mucosal vaccine for influenza viruses: preparation for a potential influenza pandemic. 2007 , 6, 193-201	24
931	Toll-like receptors. 2007 , Chapter 14, Unit 14.12	103
930	Structure and function of Toll receptors and their ligands. 2007 , 76, 141-65	492
929	TH2 and TH1 lung inflammation induced by airway allergen sensitization with low and high doses of double-stranded RNA. 2007 , 120, 803-12	63
928	Exploited defense: how influenza viruses take advantage of antiviral signaling responses. 2007 , 2, 91-100	15
927	Interferon: The 50th Anniversary. 2007 ,	5
926	Point, Counterpoint: The Evolution of Pathogenic Viruses and their Human Hosts. 2007 , 38, 515-540	19
925	Papel de los receptores tipo toll en las infecciones virales: el VIH-1 como modelo. 2007 , 27, 280	3
924	The Biology of Toll-Like Receptors in Mice. 2007 , 109-117	
923	Some Biological Features of Dendritic Cells in the Mouse. 2007 , 135-154	
922	Expression and function of toll-like receptor-3 and -9 in human corneal myofibroblasts. 2007 , 48, 3069-76	29
921	Cell-specific IRF-3 responses protect against West Nile virus infection by interferon-dependent and -independent mechanisms. 2007 , 3, e106	153

920	[Innate immunity: structure and function of TLRs]. 2007 , 23, 67-73	70
919	Glucocorticoids and Immunity: Mechanisms of Regulation. 2007 , 45-61	1
918	ST2 is essential for Th2 responsiveness and resistance to pseudomonas aeruginosa keratitis. 2007 , 48, 4626-33	47
917	The interferon inducing pathways and the hepatitis C virus. 2007 , 13, 2446-54	37
916	Susceptibility to infectious diseases. 277-301	
915	Toll like receptors and inflammatory factors in sepsis and differential expression related to age. 2007 , 120, 56-61	3
914	Extracellular nucleic acids. 2007 , 29, 654-67	126
913	Protection against autoimmune nephritis in MyD88-deficient MRL/lpr mice. 2007 , 56, 1618-28	93
912	Serine/threonine kinase PKR: a sentinel kinase that discriminates a signaling pathway mediated by TLR4 from those mediated by TLR3 and TLR9. 2007 , 82, 640-2	12
911	Activation of toll-like receptor 3 protects against DSS-induced acute colitis. 2007 , 13, 856-64	111
910	TAP expression reduces IL-10 expressing tumor infiltrating lymphocytes and restores immunosurveillance against melanoma. 2007 , 120, 1935-41	21
909	TLR3 signaling in a hepatoma cell line is skewed towards apoptosis. 2007 , 100, 1301-12	70
908	A possible role of autogenous IFN-beta for cytokine productions in human fibroblasts. 2007 , 100, 1459-76	10
907	Central role of interferon regulatory factor-1 (IRF-1) in controlling retinoic acid inducible gene-1 (RIG-I) expression. 2007 , 213, 502-10	53
906	Genetic analysis of the innate immune responses in wild-derived inbred strains of mice. 2007 , 37, 212-23	20
905	Distinct roles of protein kinase R and toll-like receptor 3 in the activation of astrocytes by viral stimuli. 2007 , 55, 239-52	58
904	Double-stranded RNA induces iNOS gene expression in Schwann cells, sensory neuronal death, and peripheral nerve demyelination. 2007 , 55, 712-22	28
903	Bacteria and PAMPs activate nuclear factor kappaB and Gro production in a subset of olfactory ensheathing cells and astrocytes but not in Schwann cells. 2007 , 55, 905-16	63

902	Regulation of Toll-like receptor-2 expression in chronic hepatitis B by the precore protein. 2007 , 45, 102-10	267
901	Innate immune response to double-stranded RNA in biliary epithelial cells is associated with the pathogenesis of biliary atresia. 2007 , 46, 1146-54	71
900	Altered innate immunity in chronic hepatitis C infection: cause or effect?. 2007 , 46, 1279-90	35
899	Increased toll-like receptor 9 expression in cervical neoplasia. 2007 , 46, 941-7	67
898	Kinetics of inflammatory response of astrocytes induced by TLR 3 and TLR4 ligation. 2007 , 85, 205-12	73
897	Multiple mechanisms that prevent excessive brain inflammation. 2007 , 85, 2298-305	32
896	The preservation of phenotype and functionality of dendritic cells upon phagocytosis of polyelectrolyte-coated PLGA microparticles. 2007 , 28, 994-1004	68
895	Intranasal immunization with H5N1 vaccine plus Poly I:Poly C12U, a Toll-like receptor agonist, protects mice against homologous and heterologous virus challenge. 2007 , 9, 1333-40	74
894	Toll-like receptor (TLR)2 and TLR3 sensing is required for dendritic cell activation, but dispensable to control <i>Schistosoma mansoni</i> infection and pathology. 2007 , 9, 1606-13	33
893	Differential expression of viral PAMP receptors mRNA in peripheral blood of patients with chronic hepatitis C infection. 2007 , 7, 136	15
892	Toll like receptors and viruses. 2007 , 17, 35-43	73
891	Influenza viruses and MAP kinase cascades [Novel targets for an antiviral intervention?]. 2007 , 7, 81-88	17
890	Signal transduction in the type I interferon system and viral countermeasures. 2007 , 7, 5-19	6
889	Diminished lifespan and acute stress-induced death in DNA-PKcs-deficient mice with limiting telomeres. 2007 , 26, 2815-21	8
888	Translational mini-review series on Toll-like receptors: recent advances in understanding the role of Toll-like receptors in anti-viral immunity. 2007 , 147, 217-26	31
887	Epithelia: lymphocyte interactions in the gut. 2007 , 215, 243-53	96
886	The adaptor protein CARD9 is required for innate immune responses to intracellular pathogens. 2007 , 8, 198-205	306
885	Ligand-induced conformational changes allosterically activate Toll-like receptor 9. 2007 , 8, 772-9	358

884	Therapeutic targeting of innate immunity with Toll-like receptor agonists and antagonists. 2007 , 13, 552-9	689
883	Genetic analysis of resistance to viral infection. 2007 , 7, 753-66	151
882	SINTBAD, a novel component of innate antiviral immunity, shares a TBK1-binding domain with NAP1 and TANK. 2007 , 26, 3180-90	145
881	Toll-like receptor 7 and MyD88 knockdown by lentivirus-mediated RNA interference to porcine dendritic cell subsets. 2007 , 14, 836-44	26
880	Toll-like receptors, RIG-I-like RNA helicases and the antiviral innate immune response. 2007 , 85, 435-45	186
879	Human keratinocytes express functional Toll-like receptor 3, 4, 5, and 9. 2007 , 127, 331-41	325
878	Proinflammatory response of human leukemic cells to dsRNA transfection linked to activation of dendritic cells. 2007 , 21, 1691-9	40
877	DAI (DLM-1/ZBP1) is a cytosolic DNA sensor and an activator of innate immune response. <i>Nature</i> , 2007 , 448, 501-5	504 1251
876	Expression of Toll-like receptors in chronic hepatitis C virus infection. 2007 , 22, 1627-32	62
875	Chemokine and toll-like receptor signaling in macrophage mediated islet xenograft rejection. 2007 , 14, 48-59	19
874	Echovirus infection causes rapid loss-of-function and cell death in human dendritic cells. 2007 , 9, 1507-18	27
873	Acetylsalicylic acid (ASA) blocks influenza virus propagation via its NF-kappaB-inhibiting activity. 2007 , 9, 1683-94	152
872	Innate immunity to respiratory viruses. 2007 , 9, 1641-6	38
871	How important are Toll-like receptors for antimicrobial responses?. 2007 , 9, 1891-901	120
870	Induction of potent cellular immune response in mice by hepatitis C virus NS3 protein with double-stranded RNA. 2007 , 122, 15-27	29
869	Mixed lineage kinases (MLKs): a role in dendritic cells, inflammation and immunity?. 2007 , 88, 111-26	26
868	Toll-like receptors: key activators of leucocytes and regulator of haematopoiesis. 2007 , 139, 185-93	82
867	Percutaneous application of peptidoglycan from <i>Staphylococcus aureus</i> induces eosinophil infiltration in mouse skin. 2007 , 37, 615-22	18

866	Translational mini-review series on Toll-like receptors: networks regulated by Toll-like receptors mediate innate and adaptive immunity. 2007 , 147, 199-207	129
865	Time-course of Toll-like receptor 2 expression, as a predictor of recurrence in patients with bacterial infectious diseases. 2007 , 148, 260-70	16
864	Pathological survivin expression links viral infections with pathogenesis of erosive rheumatoid arthritis. 2007 , 66, 192-8	13
863	Recognition of viruses by innate immunity. 2007 , 220, 214-24	274
862	Human Toll-like receptor-dependent induction of interferons in protective immunity to viruses. 2007 , 220, 225-36	122
861	Toll-like receptors and their role in periodontal health and disease. 2007 , 43, 41-55	129
860	Cellular localization and function of the antiviral protein, ovine Mx1 (oMx1): II. The oMx1 protein is a regulator of secretion in an ovine glandular epithelial cell line. 2007 , 57, 23-33	11
859	The role of toll-like receptor ligands/agonists in protection against genital HSV-2 infection. 2008 , 59, 35-43	32
858	Limited suppression of the interferon-beta production by hepatitis C virus serine protease in cultured human hepatocytes. 2007 , 274, 4161-76	31
857	Transcriptional networks in plasmacytoid dendritic cells stimulated with synthetic TLR 7 agonists. 2007 , 8, 26	62
856	Anti-RNP immunity: implications for tissue injury and the pathogenesis of connective tissue disease. 2007 , 6, 232-6	30
855	RNAi in primary human chondrocytes: efficiencies, kinetics, and non-specific effects of siRNA-mediated gene suppression. 2007 , 35, 321-8	16
854	Down modulation of human TLR3 function by a monoclonal antibody. 2007 , 248, 103-14	23
853	Opposing roles of RNA receptors TLR3 and RIG-I in the inflammatory response to double-stranded RNA in a Kaposi's sarcoma cell line. 2007 , 249, 55-62	15
852	Therapeutic effects of TAK-242, a novel selective Toll-like receptor 4 signal transduction inhibitor, in mouse endotoxin shock model. 2007 , 571, 231-9	136
851	Induction of potent and long-lasting CD4 and CD8 T-cell responses against hepatitis C virus by immunization with viral antigens plus poly(I:C) and anti-CD40. 2007 , 74, 25-35	11
850	Expression of IL-27 p28 by Theiler's virus-infected macrophages depends on TLR3 and TLR7 activation of JNK-MAP-kinases. 2007 , 76, 159-67	23
849	Vesicular stomatitis virus glycoprotein G activates a specific antiviral Toll-like receptor 4-dependent pathway. 2007 , 362, 304-13	152

848	TLR-4 and -6 agonists reverse apoptosis and promote maturation of simian virus 5-infected human dendritic cells through NFkB-dependent pathways. 2007 , 365, 144-56	27
847	Interferons induce an antiviral state in human pancreatic islet cells. 2007 , 367, 92-101	80
846	Synergistic interaction between Toll-like receptor agonists is required for induction of experimental autoimmune encephalomyelitis in Lewis rats. 2007 , 185, 115-22	33
845	MHC expression and chemokine production in the murine vagina following intra-vaginal administration of ligands to toll-like receptors 3, 7 and 9. 2007 , 73, 148-157	13
844	Role of IFN-alpha/beta signaling in the prevention of genital herpes virus type 2 infection. 2007 , 74, 114-23	35
843	Expression of toll-like receptors 2, 3, 4, and 9 genes in the human endometrium during the menstrual cycle. 2007 , 74, 53-60	61
842	Preferential distribution of NK cells into uteri of C57Bl/6J mice after adoptive transfer of lymphocytes. 2007 , 75, 120-7	5
841	Signaling pathways downstream of pattern-recognition receptors and their cross talk. 2007 , 76, 447-80	577
840	Gene manipulation through the use of small interfering RNA (siRNA): from in vitro to in vivo applications. 2007 , 59, 87-100	61
839	Interferon-based therapy of hepatitis C. 2007 , 59, 1222-41	68
838	The interferon-stimulated genes: targets of direct signaling by interferons, double-stranded RNA, and viruses. 2007 , 316, 233-50	109
837	Amelioration of operation-induced suppression of marginating pulmonary NK activity using poly IC: a potential approach to reduce postoperative metastasis. 2007 , 14, 841-52	24
836	Phylogenetic and expression analysis of amphibian Xenopus Toll-like receptors. 2007 , 59, 281-93	92
835	TLR5 and Ipaf: dual sensors of bacterial flagellin in the innate immune system. 2007 , 29, 275-88	216
834	Learning from viruses: the necrotic bodies of tumor cells with intracellular synthetic dsRNA induced strong anti-tumor immune responses. 2007 , 24, 1645-52	11
833	Toll or toll-free adjuvant path toward the optimal vaccine development. 2007 , 27, 363-71	128
832	Disifin (sodium tosylchloramide) and Toll-like receptors (TLRs): evolving importance in health and diseases. 2007 , 34, 751-62	6
831	STAT3 and COX-2 activation in the guinea-pig brain during fever induced by the Toll-like receptor-3 agonist polyinosinic:polycytidylic acid. 2007 , 328, 549-61	27

830	Differential expression of toll-like receptor 3 and 5 in ileal pouch mucosa of ulcerative colitis patients. 2007 , 22, 293-301	27
829	Principles of intracellular viral recognition. 2007 , 19, 17-23	124
828	Signalling pathways mediating type I interferon gene expression. 2007 , 9, 1245-51	19
827	Systemic delivery of DNA or siRNA mediated by linear polyethylenimine (L-PEI) does not induce an inflammatory response. 2008 , 25, 2972-82	118
826	15-deoxy-Delta(12,14)-prostaglandin J(2) and curcumin modulate the expression of toll-like receptors 4 and 9 in autoimmune T lymphocyte. 2008 , 28, 558-70	46
825	Toll-like receptor 3 regulates Mx expression in rare minnow <i>Gobiocypris rarus</i> after viral infection. 2008 , 60, 195-205	44
824	Combined immunization with adjuvant molecules poly(I:C) and anti-CD40 plus a tumor antigen has potent prophylactic and therapeutic antitumor effects. 2008 , 57, 19-29	34
823	Toll-like receptors expressed in tumor cells: targets for therapy. 2008 , 57, 1271-8	104
822	Severe sepsis and Toll-like receptors. 2008 , 30, 29-40	31
821	TLRs in disease. 2008 , 30, 1-2	1
820	NOX enzymes and Toll-like receptor signaling. 2008 , 30, 291-300	79
819	Herpes simplex viruses and induction of interferon responses. 2008 , 23, 416-428	
818	Pathogen recognition by innate receptors. 2008 , 14, 86-92	160
817	Pancreatic stellate cells express Toll-like receptors. 2008 , 43, 352-62	71
816	Using distinct molecular signatures of human monocytes and dendritic cells to predict adjuvant activity and pyrogenicity of TLR agonists. 2008 , 197, 369-79	10
815	TBK1 does not play a role in the control of in vitro <i>Burkholderia pseudomallei</i> growth. 2008 , 102 Suppl 1, S95-100	1
814	Arthritogenic dsRNA is present in synovial fluid from rheumatoid arthritis patients with an erosive disease course. 2008 , 38, 3237-44	16
813	Viral 5'-triphosphate RNA and non-CpG DNA aggravate autoimmunity and lupus nephritis via distinct TLR-independent immune responses. 2008 , 38, 3487-98	52

812	Toll-like receptors and adaptor molecules in liver disease: update. 2008 , 48, 322-35	544
811	The orchestra of Toll-like receptors and their potential role in frequently occurring rheumatic conditions. 2008 , 58, 338-48	36
810	Nucleic acid-mediated inflammatory diseases. 2008 , 30, 833-42	30
809	dsRNA-functionalized multifunctional gamma-Fe ₂ O ₃ nanocrystals: a tool for targeting cell surface receptors. 2008 , 47, 4748-52	46
808	dsRNA-funktionalisierte Fe ₂ O ₃ -Nanokristalle: ein Instrument zur gezielten Adressierung von Rezeptoren an der Zelloberfläche. 2008 , 120, 4826-4830	11
807	Progress in developing cationic vectors for non-viral systemic gene therapy against cancer. 2008 , 29, 3477-96	688
806	Structures of TLR-ligand complexes. 2008 , 20, 414-9	67
805	Assessing the therapeutic potential of immunostimulatory nucleic acids. 2008 , 20, 389-95	84
804	Mucosal macrophages and the regulation of immune responses in the intestine. 2008 , 119, 22-31	86
803	TLR3: interferon induction by double-stranded RNA including poly(I:C). 2008 , 60, 805-12	451
802	Up-regulation of chemokine gene transcripts and T-cell infiltration into the central nervous system and dorsal root ganglia are characteristics of experimental European bat lyssavirus type 2 infection of mice. 2008 , 14, 218-28	16
801	Ligation of Toll-like receptor 3 differentially regulates M2 and M3 muscarinic receptor expression and function in human airway smooth muscle cells. 2008 , 145, 163-74	16
800	Chapter 6:Immune Stimulatory Oligonucleotides. 2008 , 142-162	2
799	Toll-like receptor and RIG-I-like receptor signaling. 2008 , 1143, 1-20	706
798	The role of Toll-like receptors 3 and 9 in the development of autoimmune diabetes in NOD mice. 2008 , 1150, 146-8	58
797	Toll-like receptors and diabetes. 2008 , 1150, 123-32	42
796	Toll-like receptors regulation of viral infection and disease. 2008 , 60, 786-94	59
795	Recognition of viral single-stranded RNA by Toll-like receptors. 2008 , 60, 813-23	90

794	TLR9 as a key receptor for the recognition of DNA. 2008 , 60, 795-804	239
793	Nucleic acid-sensing Toll-like receptors: beyond ligand search. 2008 , 60, 782-5	6
792	Toll-like receptor and pattern sensing for evoking immune response. 2008 , 60, 779-81	
791	Human melanocytes express functional Toll-like receptor 4. 2008 , 17, 412-7	29
790	Real-time imaging of the pancreas during development of diabetes. 2008 , 221, 200-13	42
789	Inborn errors of interferon (IFN)-mediated immunity in humans: insights into the respective roles of IFN-alpha/beta, IFN-gamma, and IFN-lambda in host defense. 2008 , 226, 29-40	220
788	Activation of innate immune responses through Toll-like receptor 3 causes a rapid loss of salivary gland function. 2009 , 38, 42-7	85
787	Melatonin decreases TLR3-mediated inflammatory factor expression via inhibition of NF-kappa B activation in respiratory syncytial virus-infected RAW264.7 macrophages. 2008 , 45, 93-100	57
786	Nasal immunization with the mixture of PA63, LF, and a PGA conjugate induced strong antibody responses against all three antigens. 2008 , 52, 169-79	12
785	Gene expression silencing with 'specific' small interfering RNA goes beyond specificity - a study of key parameters to take into account in the onset of small interfering RNA off-target effects. 2008 , 275, 2738-53	13
784	RNAi-mediated gene silencing in fishes?. 2008 , 72, 1890-1906	17
783	Inflammatory tumour cell killing by oncolytic reovirus for the treatment of melanoma. 2008 , 15, 1257-70	85
782	Determination of T-cell fate by dendritic cells. 2008 , 86, 389-97	72
781	Sequence- and target-independent angiogenesis suppression by siRNA via TLR3. <i>Nature</i> , 2008 , 452, 591-30.4	769
780	The antiviral adaptor proteins Cardif and Trif are processed and inactivated by caspases. 2008 , 15, 1804-11	64
779	TLR signaling by tumor and immune cells: a double-edged sword. 2008 , 27, 218-24	280
778	Negative regulation by SHPS-1 of Toll-like receptor-dependent proinflammatory cytokine production in macrophages. 2008 , 13, 209-19	19
777	A second binding site for double-stranded RNA in TLR3 and consequences for interferon activation. 2008 , 15, 761-3	67

776	Catalytic Receptors. 2008 , 153, S146-S154	78
775	The function of TRADD in signaling through tumor necrosis factor receptor 1 and TRIF-dependent Toll-like receptors. 2008 , 9, 1047-54	167
774	TRAM couples endocytosis of Toll-like receptor 4 to the induction of interferon-beta. 2008 , 9, 361-8	930
773	Toll-like receptors--taking an evolutionary approach. 2008 , 9, 165-78	380
772	Plasmacytoid dendritic cells: sensing nucleic acids in viral infection and autoimmune diseases. 2008 , 8, 594-606	913
771	Viral evasion and subversion of pattern-recognition receptor signalling. 2008 , 8, 911-22	503
770	Adult behavioral and pharmacological dysfunctions following disruption of the fetal brain balance between pro-inflammatory and IL-10-mediated anti-inflammatory signaling. 2008 , 13, 208-21	191
769	Mechanistic understanding of innate and adaptive immune responses in SARS-CoV-2 infection. 2021 , 135, 268-275	7
768	COVID-19 Pathogenesis: From Molecular Pathway to Vaccine Administration. 2021 , 9,	1
767	Inducing oncolytic cell death in human cancer cells by the long non-coding RNA let-A.	0
766	Molecular cloning, identification and expression analysis of MDA5/MAVS/TRAF3/TANK/TBK1, five pivotal molecules of RLR signalling pathway in turbot (<i>Scophthalmus maximus</i>). 2021 , 52, 5537	
765	A Deep Learning Framework for Prediction of Clinical Drug Response of Cancer Patients and Identification of Drug Sensitivity Biomarkers using Preclinical Samples.	0
764	Synergistic Immunostimulation through the Dual Activation of Toll-like Receptor 3/9 with Spherical Nucleic Acids. 2021 ,	1
763	Battle Royale: Innate Recognition of Poxviruses and Viral Immune Evasion. 2021 , 9,	8
762	Involvement of Probiotics and Postbiotics in the Immune System Modulation. 2021 , 1, 89-110	18
761	Anti-Viral Pattern Recognition Receptors as Therapeutic Targets. 2021 , 10,	8
760	Identification and expression analysis of sixteen Toll-like receptor genes, TLR1, TLR2a, TLR2b, TLR3, TLR5M, TLR5S, TLR7-9, TLR13a-c, TLR14, TLR21-23 in mandarin fish <i>Siniperca chuatsi</i> . 2021 , 121, 104100	8
759	Activation and Evasion of Innate Immunity by Gammaherpesviruses. 2021 , 167214	3

758	Enhancement of immune responses by co-stimulation of TLR3 - TLR7 agonists as a potential therapeutics against rabies in mouse model. 2021 , 157, 104971	
757	Viral mimetic poly(I:C) induces neutrophil extracellular traps via PAD4 to promote inflammation and thrombosis. 2021 , 565, 64-71	2
756	USP19 (ubiquitin specific peptidase 19) promotes TBK1 (TANK-binding kinase 1) degradation via chaperone-mediated autophagy. 2021 , 1-18	6
755	Retinal Pigment Epithelium Expressed Toll-like Receptors and Their Potential Role in Age-Related Macular Degeneration. 2021 , 22,	2
754	SARS-CoV-2: Understanding the Transcriptional Regulation of ACE2 and TMPRSS2 and the Role of Single Nucleotide Polymorphism (SNP) at Codon 72 of p53 in the Innate Immune Response against Virus Infection. 2021 , 22,	6
753	LPS/TLR4 pathways in breast cancer: insights into cell signalling. 2021 ,	1
752	Pattern recognition receptors in health and diseases. 2021 , 6, 291	81
751	RNA-induced inflammation and migration of precursor neurons initiates neuronal circuit regeneration in zebrafish. 2021 , 56, 2364-2380.e8	1
750	The role of influenza A virus-induced hypercytokinemia. 2021 , 1-17	3
749	Inhalable nanovaccine with biomimetic coronavirus structure to trigger mucosal immunity of respiratory tract against COVID-19. 2021 , 418, 129392	13
748	The expression and activity of Toll-like receptors in the preimplantation human embryo suggest a new role for innate immunity. 2021 , 36, 2661-2675	0
747	The protein arginine methyltransferase PRMT1 promotes TBK1 activation through asymmetric arginine methylation. 2021 , 36, 109731	4
746	Recent Insights Into the Molecular Mechanism of Toll-Like Receptor Response to Dengue Virus Infection. 2021 , 12, 744233	1
745	The Yin and Yang of Type I IFNs in Cancer Promotion and Immune Activation. 2021 , 10,	0
744	Autoimmunity in vitiligo: Therapeutic implications and opportunities. 2021 , 21, 102932	2
743	Recent advances in immunotherapy, immunoadjuvant, and nanomaterial-based combination immunotherapy. 2021 , 442, 214009	6
742	Modulation of MicroRNA Processing by Dicer via Its Associated dsRNA Binding Proteins. 2021 , 7,	4
741	Modulatory Effects of Mercury (II) Chloride (HgCl ₂) on Chicken Macrophage and B-Lymphocyte Cell Lines with Viral-Like Challenges In Vitro. 2021 , 40, 2813-2824	1

740	Toll-like receptor 3 ablation prevented high-fat diet-induced obesity and metabolic disorder. 2021 , 95, 108761	0
739	Physical activity in asthma control and its immune modulatory effect in asthmatic preschoolers. 2021 ,	0
738	UNC93B1 Is Widely Expressed in the Murine CNS and Is Required for Neuroinflammation and Neuronal Injury Induced by MicroRNA. 2021 , 12, 715774	0
737	Biomarkers in Idiopathic Pulmonary Fibrosis.	0
736	Sex differences and similarities in the neuroimmune response to central administration of poly I:C. 2021 , 18, 193	2
735	A Novel Regulatory Player in the Innate Immune System: Long Non-Coding RNAs. 2021 , 22,	2
734	Murine Norovirus Infection Results in Anti-inflammatory Response Downstream of Amino Acid Depletion in Macrophages. 2021 , 95, e0113421	0
733	Chitosan nanoparticle formulation attenuates poly (I:C) induced innate immune responses against inactivated virus vaccine in Atlantic salmon (<i>Salmo salar</i>). 2021 , 40, 100915	0
732	AIM2 forms a complex with pyrin and ZBP1 to drive PANoptosis and host defence. <i>Nature</i> , 2021 , 597, 415-419	50.4 33
731	High-salt transcription of DNA cotethered with T7 RNA polymerase to beads generates increased yields of highly pure RNA. 2021 , 297, 100999	2
730	TLR3 Mediates Senescence and Immunosurveillance of Hepatic Stellate Cells. 2021 , 21,	
729	Kinetic Multi-omic Analysis of Responses to SARS-CoV-2 Infection in a Model of Severe COVID-19. 2021 , 95, e0101021	2
728	sEH promotes macrophage phagocytosis and lung clearance of <i>Streptococcus pneumoniae</i> . 2021 , 131,	2
727	Functional NK Cell Activation by Ovalbumin Immunization with a Monophosphoryl Lipid A and Poly I:C Combination Adjuvant Promoted Dendritic Cell Maturation. 2021 , 9,	
726	mRNA-Based Cancer Vaccines: A Therapeutic Strategy for the Treatment of Melanoma Patients. 2021 , 9,	12
725	Coronavirus Nsp1: Immune Response Suppression and Protein Expression Inhibition. 2021 , 12, 752214	7
724	Toll-Like Receptors (TLRs): Structure, Functions, Signaling, and Role of Their Polymorphisms in Colorectal Cancer Susceptibility. 2021 , 2021, 1157023	13
723	Local Immune Control of Latent Herpes Simplex Virus Type 1 in Ganglia of Mice and Man. 2021 , 12, 723809	1

722	Neuron-intrinsic immunity to viruses in mice and humans. 2021 , 72, 309-317	4
721	Maternal immune activation as a risk factor for psychiatric illness in the context of the SARS-CoV-2 pandemic. 2021 , 16, 100297	4
720	Genome-wide identification, characterization, and expression of the Toll-like receptors in Japanese flounder (<i>Paralichthys olivaceus</i>). 2021 , 545, 737127	2
719	The adipokine C1q/TNF-related protein-3 (CTRP-3) inhibits Toll-like receptor (TLR)-induced expression of Cathelicidin antimicrobial peptide (CAMP) in adipocytes. 2021 , 148, 155663	0
718	Innate and adaptive immunity in cancer. 2022 , 19-61	
717	Toll-like receptors and NOD-like receptors at the implantation site. 2021 , 277-294	
716	A Population of Radio-Resistant Macrophages in the Deep Myenteric Plexus Contributes to Postoperative Ileus Toll-Like Receptor 3 Signaling. 2020 , 11, 581111	1
715	Eosinophils, Mast Cells and Basophils. 2021 ,	
714	Immunostimulatory Endogenous Nucleic Acids Perpetuate Interface Dermatitis-Translation of Pathogenic Fundamentals Into an Model. 2020 , 11, 622511	1
713	Double stranded RNA drives innate immune responses, sickness behavior and cognitive impairment dependent on dsRNA length, IFNAR1 expression and age. 2021 ,	2
712	Signaling Through Nucleic Acid Sensors and Their Roles in Inflammatory Diseases. 2020 , 11, 625833	10
711	Antigen Delivery to DEC205 Dendritic Cells Induces Immunological Memory and Protective Therapeutic Effects against HPV-Associated Tumors at Different Anatomical Sites. 2021 , 17, 2944-2956	0
710	The interplay between the immune system and viruses. 2021 , 117, 1-15	1
709	Autism Spectrum Disorder from the Womb to Adulthood: Suggestions for a Paradigm Shift. 2021 , 11,	15
708	Nucleic Acid-Sensing Pathways During SARS-CoV-2 Infection: Expectations versus Reality. 2021 , 14, 199-216	9
707	The BET family in immunity and disease. 2021 , 6, 23	32
706	Interferon signaling. 214-225	1
705	The Role of T Cells and the Innate Immune System in the Pathogenesis of Theiler's Virus Demyelinating Disease. 2005 , 645-657	3

704	Interferon Antagonists of Influenza Viruses. 2005 , 95-114	2
703	Leukocyte migration to pancreatic islets: a critical step in the pathogenesis of type 1 diabetes. 2006 , 167-179	1
702	Understanding the role of innate immunity in the mechanism of action of the live attenuated Yellow Fever Vaccine 17D. 2007 , 590, 43-53	25
701	Cell-Mediated Immune Responses to Human Papillomavirus. 2007 , 313-335	1
700	Severe Sepsis and Septic Shock. 2008 , 287-304	1
699	Immune effects of autoantigen-associated RNA. 2007 , 598, 293-308	1
698	The Role of RNA Editing in the Immune Response. 2021 , 2181, 287-307	1
697	CpG Oligonucleotides as Vaccine Adjuvants. 2021 , 2197, 51-85	16
696	Molecular and Cellular Aspects of Macrophage Aging. 2009 , 919-945	9
695	Immune Signatures and Systems Biology of Vaccines. 2011 , 141-167	1
694	A window to innate neuroimmunity: Toll-like receptor-mediated cell responses in the retina. 2012 , 723, 3-9	5
693	Improvements of survival in nine phase II clinical studies with different types of cancer upon anti-tumor vaccination with an autologous tumor cell vaccine modified by virus infection to introduce danger signals. 2003 , 532, 175-93	1
692	Investigating TLR signaling responses in murine dendritic cells upon bacterial infection. 2014 , 1197, 209-25	1
691	Overcoming the challenges of siRNA activation of innate immunity: design better therapeutic siRNAs. 2015 , 1218, 301-19	17
690	Computational Prediction of the Immunomodulatory Potential of RNA Sequences. 2017 , 1632, 75-90	9
689	Alphaviral-Based Strategies for the Immunotherapy of Cancer. 2004 , 203-224	2
688	Pathology of Human Endothelium in Septic Organ Failure. 2006 , 161-192	2
687	Glycosylphosphatidylinositol Anchors As Natural Immunological Adjuvants Derived From Protozoan Parasites. 2006 , 155-175	2

686	Promises and challenges in developing RNAi as a research tool and therapy. 2011 , 703, 173-87	37
685	Gene expression profiling of dendritic cells by microarray. 2007 , 380, 215-24	6
684	Analysis of the functional role of Toll-like receptor-4 tyrosine phosphorylation. 2009 , 517, 145-67	1
683	Experimental models of acute infection and Toll-like receptor driven septic shock. 2009 , 517, 313-27	3
682	Analysis of the TLR/NF-kappaB pathway in antigen-presenting cells in malignancies promoted by inflammation. 2009 , 512, 99-117	1
681	Deciphering the code of innate immunity recognition of siRNAs. 2009 , 487, 41-59	33
680	The therapeutic potential of LNA-modified siRNAs: reduction of off-target effects by chemical modification of the siRNA sequence. 2009 , 487, 189-203	43
679	Visualising PAMP-PRR interactions using nanoscale imaging. 2012 , 799, 253-66	7
678	shRNA-induced interferon-stimulated gene analysis. 2012 , 820, 163-77	4
677	The BB rat as a model of human type 1 diabetes. 2012 , 933, 31-44	25
676	The Immunology of Acne. 2008 , 217-222	1
675	Phage Interaction with the Mammalian Immune System. 2019 , 91-122	1
674	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. 2013 , 1-25	2
673	Role of Innate Immune Signaling in Nuclear Reprogramming. 2016 , 291-305	1
672	Kaposi sarcoma herpesvirus-encoded interferon regulator factors. 2007 , 312, 185-209	42
671	Structure of toll-like receptors. 2008 , 181-200	17
670	Autophagy and innate recognition systems. 2009 , 335, 107-21	26
669	Overview of toll-like receptors in the CNS. 2009 , 336, 1-14	28

668	Immune Recognition of Nucleic Acids and Their Metabolites. 2010 , 209-227	2
667	Evolution of the TIR, tolls and TLRs: functional inferences from computational biology. 2002 , 270, 1-21	105
666	MyD88 as a bottle neck in Toll/IL-1 signaling. 2002 , 270, 155-67	109
665	Signal Transduction Pathways Activated by the IL-1 Receptor/Toll-Like Receptor Superfamily. 2002 , 47-61	64
664	Toll-like receptors and their ligands. 2002 , 270, 81-92	196
663	TLR4 as the mammalian endotoxin sensor. 2002 , 270, 109-20	164
662	TLR2: cellular sensor for microbial and endogenous molecular patterns. 2002 , 270, 121-44	145
661	Bacterial CpG-DNA licenses TLR9. 2002 , 270, 145-54	47
660	Dendritic cell-based immunotherapy. 2003 , 276, 163-97	23
659	Itch control by Toll-like receptors. 2015 , 226, 135-50	15
658	Aging of the Immune System Across Different Species. 2010 , 353-376	4
657	Developmental Consequences of Prenatal Exposure to Maternal Immune Activation. 2011 , 263-285	1
656	TLR Agonists as Vaccine Adjuvants. 2012 , 205-228	4
655	Activation of TLR3 Enhance Stemness and Immunomodulatory Properties of Periodontal Ligament Stem Cells (PDLSCs). 2017 , 205-216	1
654	Infection and atherosclerosis: TLR-dependent pathways. 2020 , 77, 2751-2769	40
653	Immunology of the Upper Airway and Pathophysiology and Treatment of Allergic Rhinitis. 2010 , 597-623	2
652	Biology of Epithelial Cells. 2009 , 373-386	1
651	Neonatal Pulmonary Host Defense Mechanisms. 2004 , 1620-1673	1

650	CpG oligodeoxynucleotides as vaccine adjuvants. 2006 , 73-92	3
649	Intrauterine Infection, Preterm Parturition, and the Fetal Inflammatory Response Syndrome. 2011 , 457-468.e6	1
648	MIXED CONNECTIVE TISSUE DISEASE AND UNDIFFERENTIATED CONNECTIVE TISSUE DISEASE. 2011 , 448-457	1
647	Infections and Asthma. 2010 , 363-376	1
646	DNA vaccines for melanoma. 2005 , 22, 761-8	1
645	CHAPTER 13:Nucleic Acid Innate Immune Receptors. 2019 , 292-305	1
644	Chapter 11:Lipid-Mediated in vivo Delivery of Small Interfering RNAs. 2008 , 241-266	2
643	Bacterial lipopolysaccharide induces increased expression of toll-like receptor (TLR) 4 and downstream TLR signaling molecules in bovine mammary epithelial cells. 2008 , 39, 11	100
642	Innate immune responses elicited by Sin Nombre virus or type I IFN agonists protect hamsters from lethal Andes virus infections. 2018 ,	4
641	Genetic, transcriptome, proteomic and epidemiological evidence for blood brain barrier disruption and polymicrobial brain invasion as determinant factors in Alzheimer's disease.	2
640	A novel mycovirus evokes transcriptional rewiring in the fungus <i>Malassezia</i> and stimulates interferon- β production in macrophages.	3
639	IRAK1-mediated coincidence detection of microbial signals licenses inflammasome activation.	1
638	Global epidemiology, pathogenesis, immune response, diagnosis, treatment, economic and psychological impact, challenges, and future prevention of COVID-19: A Scoping review.	6
637	Immuno-informatics Characterization SARS-CoV-2 Spike Glycoprotein for Prioritization of Epitope based Multivalent Peptide Vaccine.	2
636	SARS-CoV-2 Spike protein promotes hyper-inflammatory response that can be ameliorated by Spike-antagonistic peptide and FDA-approved ER stress and MAP kinase inhibitors in vitro.	14
635	Adaptation to host cell environment during experimental evolution of Zika virus.	0
634	Tumor extracellular vesicles are required for tumor-associated macrophage programming.	3
633	Viral infection enhances vacuolation of intracellular fungi via Type I interferons.	1

632	The Interleukin-1 Receptor/Toll-Like Receptor Superfamily: Signal Transduction During Inflammation and Host Defense. 2003 , 2003, re3-re3	43
631	Signaling Receptome: A Genomic and Evolutionary Perspective of Plasma Membrane Receptors Involved in Signal Transduction. 2003 , 2003, re9-re9	11
630	Receptor-Mediated Recognition of Mycobacterium tuberculosis by Host Cells. 2005 , 405-426	16
629	Toll-Like Receptors: Ligands and Signaling. 255-270	3
628	Upregulation of Innate Defense Mechanisms by Enteric Infections. 155-174	1
627	Role of Toll-Like Receptors in Innate Immunity of the Intestine. 79-94	1
626	Noncoding RNA danger motifs bridge innate and adaptive immunity and are potent adjuvants for vaccination. 2002 , 110, 1175-1184	48
625	Noncoding RNA danger motifs bridge innate and adaptive immunity and are potent adjuvants for vaccination. 2002 , 110, 1175-84	20
624	Activation of antigen-presenting cells by microbial products breaks self tolerance and induces autoimmune disease. 2004 , 113, 990-7	136
623	Immunoprivileged status of the liver is controlled by Toll-like receptor 3 signaling. 2006 , 116, 2456-63	123
622	Cigarette smoke selectively enhances viral PAMP- and virus-induced pulmonary innate immune and remodeling responses in mice. 2008 , 118, 2771-84	174
621	Pneumonia research to reduce childhood mortality in the developing world. 2008 , 118, 1291-300	111
620	TLR3 deficiency impairs spinal cord synaptic transmission, central sensitization, and pruritus in mice. 2012 , 122, 2195-207	113
619	JUNB/AP-1 controls IFN- γ during inflammatory liver disease. 2013 , 123, 5258-68	22
618	Deficiency of base excision repair enzyme NEIL3 drives increased predisposition to autoimmunity. 2016 , 126, 4219-4236	45
617	Infections in the nose and exacerbations of chronic respiratory disorders. 67-86	1
616	Neurological consequences of COVID-19: what have we learned and where do we go from here?. 2020 , 17, 286	39
615	Overview of Immunity. 2008 , 1-28	1

614	Influenza virus and cell signaling pathways. 2011 , 17, RA148-54	71
613	Toll-like receptor 3 signaling on macrophages is required for survival following coxsackievirus B4 infection. 2009 , 4, e4127	112
612	RNAi methodologies for the functional study of signaling molecules. 2009 , 4, e4559	5
611	Toll-like receptor mRNA expression is selectively increased in the colonic mucosa of two animal models relevant to irritable bowel syndrome. 2009 , 4, e8226	54
610	MyD88-dependent signaling contributes to host defense against ehrlichial infection. 2010 , 5, e11758	23
609	Host immune response to mosquito-transmitted chikungunya virus differs from that elicited by needle inoculated virus. 2010 , 5, e12137	81
608	Activation of PKR causes amyloid β peptide accumulation via de-repression of BACE1 expression. 2011 , 6, e21456	40
607	LL37 and cationic peptides enhance TLR3 signaling by viral double-stranded RNAs. 2011 , 6, e26632	79
606	The 3' untranslated regions of influenza genomic sequences are 5'PPP-independent ligands for RIG-I. 2012 , 7, e32661	35
605	UNC93B1 mediates innate inflammation and antiviral defense in the liver during acute murine cytomegalovirus infection. 2012 , 7, e39161	15
604	Interleukin-1 receptor-associated kinase 2- and protein kinase D1-dependent regulation of IRAK-monocyte expression by CpG DNA. 2012 , 7, e43970	5
603	Sex bias in susceptibility to MCMV infection: implication of TLR9. 2012 , 7, e45171	23
602	Intranasal administration of dsRNA analog poly(I:C) induces interferon- β receptor-dependent accumulation of antigen experienced T cells in the airways. 2012 , 7, e51351	18
601	CD40 gene silencing reduces the progression of experimental lupus nephritis modulating local milieu and systemic mechanisms. 2013 , 8, e65068	22
600	TLR3, TLR4 and TLRs7-9 Induced Interferons Are Not Impaired in Airway and Blood Cells in Well Controlled Asthma. 2013 , 8, e65921	35
599	Comprehensive RNA-Seq expression analysis of sensory ganglia with a focus on ion channels and GPCRs in Trigeminal ganglia. 2013 , 8, e79523	93
598	Dynamic cross talk model of the epithelial innate immune response to double-stranded RNA stimulation: coordinated dynamics emerging from cell-level noise. 2014 , 9, e93396	23
597	Gender-dependent effects of maternal immune activation on the behavior of mouse offspring. 2014 , 9, e104433	73

596	A single naturally occurring 2'-O-methylation converts a TLR7- and TLR8-activating RNA into a TLR8-specific ligand. 2015 , 10, e0120498	15
595	Treatment with 4-methylpyrazole modulated stellate cells and natural killer cells and ameliorated liver fibrosis in mice. 2015 , 10, e0127946	12
594	Enhancing Interferon Regulatory Factor 7 Mediated Antiviral Responses and Decreasing Nuclear Factor Kappa B Expression Limit HIV-1 Replication in Cervical Tissues. 2015 , 10, e0131919	7
593	Inactivated Eyedrop Influenza Vaccine Adjuvanted with Poly(I:C) Is Safe and Effective for Inducing Protective Systemic and Mucosal Immunity. 2015 , 10, e0137608	15
592	The Viral Mimetic Polyinosinic:Polycytidylic Acid Alters the Growth Characteristics of Small Intestinal and Colonic Crypt Cultures. 2015 , 10, e0138531	14
591	Chlamydial Pre-Infection Protects from Subsequent Herpes Simplex Virus-2 Challenge in a Murine Vaginal Super-Infection Model. 2016 , 11, e0146186	6
590	Poly(I:C) Induces Human Lung Endothelial Barrier Dysfunction by Disrupting Tight Junction Expression of Claudin-5. 2016 , 11, e0160875	22
589	Targeting polyIC to EGFR over-expressing cells using a dsRNA binding protein domain tethered to EGF. 2016 , 11, e0162321	6
588	TLR3 is required for survival following Coxsackievirus B3 infection by driving T lymphocyte activation and polarization: The role of dendritic cells. 2017 , 12, e0185819	11
587	Adjuvants and the vaccine response to the DS-Cav1-stabilized fusion glycoprotein of respiratory syncytial virus. 2017 , 12, e0186854	29
586	Nod2: The intestinal gate keeper. 2017 , 13, e1006177	78
585	KSHV inhibits stress granule formation by viral ORF57 blocking PKR activation. 2017 , 13, e1006677	27
584	Pivotal role for the ESCRT-II complex subunit EAP30/SNF8 in IRF3-dependent innate antiviral defense. 2017 , 13, e1006713	7
583	Toll-like receptors and immune response in allergic disease. 2004 , 26, 115	2
582	B cell toll-like receptors with respect to the pathogenesis of Sjögren's syndrome. 2011 , 54, 51-7	7
581	Antagonism of interferon signaling by fibroblast growth factors promotes viral replication. 2020 , 12, e11793	4
580	Protective Effects of S-Adenosylmethionine and Its Combinations With Taurine and/or Betaine Against Lipopolysaccharide or Polyinosinic-polycytidylic Acid-induced Acute Hepatotoxicity. 2016 , 21, 152-163	12
579	Ligand dependent restoration of human TLR3 signaling and death in p53 mutant cells. 2016 , 7, 61630-61642	18

578	MicroRNA-22 negatively regulates poly(I:C)-triggered type I interferon and inflammatory cytokine production via targeting mitochondrial antiviral signaling protein (MAVS). 2016 , 7, 76667-76683	19
577	Stimulation of the toll-like receptor 3 promotes metabolic reprogramming in head and neck carcinoma cells. 2016 , 7, 82580-82593	18
576	Combination antiretroviral therapy (cART) restores HIV-1 infection-mediated impairment of JAK-STAT signaling pathway. 2017 , 8, 22524-22533	4
575	Azithromycin augments rhinovirus-induced IFN γ via cytosolic MDA5 in experimental models of asthma exacerbation. 2017 , 8, 31601-31611	20
574	(DEAD)-box RNA helicase 3 modulates NF- κ B signal pathway by controlling the phosphorylation of PP2A-C subunit. 2017 , 8, 33197-33213	18
573	SOCS2 overexpression alleviates diabetic nephropathy in rats by inhibiting the TLR4/NF- κ B pathway. 2017 , 8, 91185-91198	10
572	NAB2 is a novel immune stimulator of MDA-5 that promotes a strong type I interferon response. 2018 , 9, 5641-5651	7
571	Concepts and mechanisms underlying chemotherapy induced immunogenic cell death: impact on clinical studies and considerations for combined therapies. 2015 , 6, 41600-19	85
570	Saikosaponin a inhibits LPS-induced inflammatory response by inducing liver X receptor alpha activation in primary mouse macrophages. 2016 , 7, 48995-49007	30
569	Genes mediating environment interactions in type 1 diabetes. 2005 , 2, 192-207	8
568	Toll-like receptors in skin infections and inflammatory diseases. 2008 , 8, 144-55	80
567	Therapeutic Exploitation of Viral Interference. 2020 , 20, 423-432	6
566	Generation of eosinophils from unselected bone marrow progenitors: wild-type, TLR- and eosinophil-deficient mice. 2009 , 2, 163-167	10
565	Stimulation of human CD4+ T lymphocytes via TLR3, TLR5 and TLR7/8 up-regulates expression of costimulatory and modulates proliferation. 2009 , 3, 1-8	15
564	RNA interference for the treatment of papillomavirus disease. 2012 , 6, 204-15	10
563	The Effect of Estradiol and Progesterone on Toll Like Receptor Gene Expression in A Human Fallopian Tube Epithelial Cell Line. 2016 , 17, 678-91	15
562	Impact of influenza virus during pregnancy: from disease severity to vaccine efficacy. 2020 , 15, 441-453	2
561	[Virus-induced expression of type I interferon genes]. 2004 , 54, 161-7	5

560	Innate immunity in the pathogenesis of acne vulgaris. 2011 , 12-27	3
559	cDNA CLONING AND CHARACTERIZATION OF TOLL-LIKE RECEPTOR 3 IN BLUNTNOSE BLACK BREAM, MEGALOBrama amblycephala. 2010 , 33, 986-993	2
558	Role of Toll-like receptors in health and diseases of gastrointestinal tract. 2006 , 12, 2149-60	81
557	Interaction of hepatitis C virus with the type I interferon system. 2007 , 13, 4818-23	8
556	Inflammation and fibrosis in chronic liver diseases including non-alcoholic fatty liver disease and hepatitis C. 2020 , 26, 109-133	39
555	The epigenetic landscape of innate immunity. 2017 , 4, 110-139	2
554	Oxygen-glucose deprivation of neurons transfected with toll-like receptor 3-siRNA: Determination of an optimal transfection sequence. 2013 , 8, 3233-40	2
553	Cellular and molecular functions of hepatic stellate cells in inflammatory responses and liver immunology. 2014 , 3, 344-63	99
552	Enhancing the efficacy of mesenchymal stem cell therapy. 2014 , 6, 82-93	69
551	Role of Toll-like receptors in Helicobacter pylori infection and immunity. 2014 , 5, 133-46	63
550	Compound K (CK) Rich Fractions from Korean Red Ginseng Inhibit Toll-like Receptor (TLR) 4- or TLR9-mediated Mitogen-activated Protein Kinases Activation and Pro-inflammatory Responses in Murine Macrophages. 2007 , 31, 181-190	5
549	Expression patterns of innate immunity-related genes in response to polyinosinic:polycytidylic acid (poly[I:C]) stimulation in DF-1 chicken fibroblast cells. 2020 , 62, 385-395	3
548	Association of the toll-like receptor 9 gene polymorphisms with Behcet's disease in a Japanese population. 2012 , 58, 127-35	2
547	Paramyxovirus evasion of innate immunity: Diverse strategies for common targets. 2013 , 2, 57-70	59
546	Transcriptional regulation of chicken leukocyte cell-derived chemotaxin 2 in response to toll-like receptor 3 stimulation. 2019 , 32, 1942-1949	3
545	HCV dsRNA-Activated Macrophages Inhibit HCV Replication in Hepatocytes. 2015 , 15, e29282	6
544	Connections between various trigger factors and the RIP1/ RIP3 signaling pathway involved in necroptosis. 2013 , 14, 7069-74	9
543	UNC93B1 mediates differential trafficking of endosomal TLRs. 2013 , 2, e00291	173

542	Small molecule therapeutics for COVID-19: repurposing of inhaled furosemide. 2020 , 8, e9533	12
541	The Adaptor Protein MITA Links Virus-Sensing Receptors to IRF3 Transcription Factor Activation. 2008 , 29, 538-550	699
540	Immunology of SARS-CoV-2 infections and vaccines. 2021 , 151, 49-97	3
539	Picornaviral 2C proteins: A unique ATPase family critical in virus replication. 2021 , 49, 235-264	0
538	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. 2021 , 37, 109858	17
537	Toll-like Receptors in Viral Encephalitis. 2021 , 13,	1
536	Delivery of synthetic mRNAs for tissue regeneration. 2021 , 179, 114007	6
535	DNA binding to TLR9 expressed by red blood cells promotes innate immune activation and anemia. 2021 , 13, eabj1008	22
534	Interaction between coxsackievirus B3 infection and α -synuclein in models of Parkinson's disease. 2021 , 17, e1010018	1
533	Vaccines for Non-Viral Cancer Prevention. 2021 , 22,	0
532	Molecular characterization, immune responses, and functional activities of manganese superoxide dismutase in disk abalone (<i>Haliotis discus discus</i>). 2022 , 127, 104299	
531	Pattern Recognition Receptors in Innate Immunity to Obligate Intracellular Bacteria.. 2021 , 1,	0
530	A novel Pan-viral prophylaxis strategy using vaccine adjuvant CAF09b protects against influenza virus infection.	
529	Host-Viral Interactions in the Pathogenesis of Ulcerative Colitis. 2021 , 22,	0
528	Current Understanding of the Innate Control of Toll-like Receptors in Response to SARS-CoV-2 Infection. 2021 , 13,	4
527	Stronger population differentiation at infection-sensing than infection-clearing innate immune loci in songbirds: Different selective regimes for different defenses. 2021 , 75, 2736-2746	0
526	Mechanism of Rhinovirus Immunity and Asthma. 2021 , 12, 731846	2
525	Long-term protective immunity induced by an adjuvant-containing live-attenuated AIDS virus. 2021 , 6, 124	0

524 Post-Translational Modifications of Proteins Exacerbate Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV2).

523 Guanosine-specific single-stranded ribonuclease effectors of a phytopathogenic fungus potentiate host immune responses. ○

522 [Innate immunity and acquired immunity]. **2002**, 69, 410-4

521 Infektion und Entzündung. **2003**, 36-42

520 Delineation of NF- κ B Signaling by Gene Targeting. **2003**, 265-294

519 Innate Recognition of Viruses by Macrophage and Related Receptors: Potential Ligands for Antiviral Agents. **2003**, 385-407

518 Toll-like receptors and the cardiovascular system. **2003**, 129-141

517 Pathogen Associated Molecular Pattern Recognition in Innate Immunity. **2003**, 23, 211-217 2

516 Toll Family Receptors. **2003**, 333-337

515 Genetic Analysis of NF- κ B-Dependent Signaling Pathways in Mammalian Cells. **2003**, 241-264

514 Dendritic Cells Versus Macrophages as Antigen-Presenting Cells: Common and Unique Features. **2003**, 337-352

513 Interaction of Innate and Acquired Immune Response: Toll Receptors Potential Link of Infection to Rejection. **2004**, 459-475

512 Host Defense Mechanisms Against Viruses. **2004**, 1490-1511

511 Immunology of hepatitis C virus. **2004**, 107-123

510 New Biological Therapeutics: Competitors or Collaborators of Viral Therapy for Human Cancers. **2004**, 165-474

509 NF κ B-Dependent Signaling Pathways. **2005**,

508 Recent Advances in the Immunology of the Respiratory Tract. **2005**, 63-93

507 Expression and Purification of Toll-like Receptor 9 Cytoplasmic Domain in *Pichia pastoris*. **2005**, 32, 269-273

506 Innate immune mechanisms and the identification of immune potentiators as vaccine adjuvants. **2006**, 57-72

505 Microbial Pathogenesis and the Discovery of Toll-Like Receptor Function. **2006**, 1-24

504 Induction and Evasion of Innate Immunity by hepatitis C virus. **2006**, 47, 491-498

1

503 Toll-like family. **2006**, S132-S133

502 Immune Responses to Viral Vectors. **2006**, 1-15

501 NF- κ B in the Innate Immune System. **2006**, 107-129

500 Basic Studies on the Development of Adjuvant Immunotherapy. **2007**, 58, 85-95

499 Evolutionary Origins of the Brain's Immune Privilege. Implications for Novel Therapeutic Approaches: Gene Therapy. **2008**, 263-281

498 Toll-Like Receptors in the Mammalian Innate Immune System. **2008**, 135-167

497 Dendritic Cells as Sensors for Foreign and Self Nucleic Acids. **2008**, 59-73

496 Toll-Like Receptors in Development of Systemic Autoimmune Disease. **2008**, 159-170

495 RNA Interference in Scope of Immune System. **2008**, 207-226

494 Helicases at Frontline of RNA Virus Recognition. **2008**, 241-272

493 Recognition of Virus Invasion by Toll-Like Receptors and RIG-I-Like Helicases. **2008**, 31-41

492 Activation of Innate Pattern Recognition Pathways by Single-Stranded Ribonucleic Acids. **2008**, 189-205

491 Antiviral Signaling Through TLRs and RLHs. **2008**, 17-29

490 Impacts of Nucleoside Modification on RNAMediated Activation of Toll-Like Receptors. **2008**, 171-188

489 Innate Immune Recognition of Viruses and Viral Vectors. **2009**, 090105100304086

488 Innate Immune Responses to West Nile Virus Infection. **2009**, 169-187

487 Innate Immunity. **2009**, 19-35

486 Innate Immunity. **2009**, 277-290

485 Lipid Rafts, Lipopolysaccharide and Stress Proteins in Infectious Diseases. **2009**, 169-183

484 UP-REGULATING EXPRESSIONS OF TOLL-LIKE RECEPTOR 3 AND MX GENES IN GILLS BY GRASS CARP REOVIRUS IN RARE. **2009**, 32, 728-734

483 Interferon Signaling. **2010**, 189-200

2

482 Toll-like family. **2009**, 158, S178-S179

78

481 Toll-like Receptors.

480 Modulation and Regulation of Gene Expression by CpG Oligonucleotides. **2010**, 191-208

479 An Environmental Systems Biology Approach to the Study of Asthma. **2010**, 239-252

478 Host responses to infection. **2010**, 30-44

1

477 Pattern Recognition.

476 Long Double-stranded RNA Induces Sequence-specific RNA Interference and Type I Interferon Responses in Rock Bream (*Oplegnathus fasciatus*). **2010**, 13, 56-62

475 Innate Immune Recognition of Nucleic Acids. 261-278

474 Chapter RNA- and DNA-Based Therapies for Huntington's Disease. **2010**, 245-274

473 Interferon, Cytokine Induction, and other Potential In Vivo Toxicities. 216-271

472 Delivery Strategies for RNAi to the Nervous System. **2011**, 59-76

471 Innate Immunity and Host Defense against Microbial Infection. **2011**, 841-857

- 470 Design and Development of Recombinant Vaccines with Viral Properties. 19-63
- 469 Utilizing Mouse Models of Human Cancer for Assessing Immune Modulation of Cancer Development. **2012**, 443-463
- 468 Toll-Like Receptors and Their Regulatory Mechanisms. **2012**, 39-49
- 467 RNAi-Mediated Therapeutics.
- 466 Differential Expression of Toll-Like Receptors in Dendritic Cells of Patients with Dengue During Early and Late Acute Phases of the Disease.
- 465 Poly-I:C Decreases Dendritic Cell Viability Independent of PKR Activation. **2012**, 01, 1-6
- 464 Cell Surface Molecular Chaperones and the LPS Receptor. **2012**, 151-165
- 463 Type I Interferon Responses to Airway Pathogens. **2013**, 139-158
- 462 Immunobioengineering Approaches Towards Combinatorial Delivery of Immune-Modulators and Antigens. **2013**, 161-181
- 461 Toll-Like Receptor Function and Evolution in Primates. **2013**, 91-116
- 460 Toll-Like Receptors and Neuroinflammation. **2013**, 135-156
- 459 Hepatic Immunology. 13-25
- 458 Innate Immunity and Disorders of the Liver. **2014**, 65-77
- 457 Pathogenesis of Behçet Syndrome. **2014**, 53-66
- 456 Induction and Consequences of the Type I IFN Response to *Listeria monocytogenes*. **2014**, 17-32
- 455 Delivery Strategies for Developing siRNA-Based Vaginal Microbicides. **2014**, 345-365
- 454 Molecular Life Sciences. **2014**, 1-7
- 453 Contribution of Receptors, Transcription Factors, and Genes in the Induction of Neuroinflammation. **2014**, 111-142

452 Evolutionary Divergence in Human Versus Mouse Innate Immune Gene Regulation and Function. **2014**, 115-155

451 Signal Transduction in the Intestinal Mucosa. 265-281

450 Innate Immune Responses Elicited by Reovirus and Rotavirus. 403-422

449 Toll-Like Receptors: Novel Molecular Targets for Antiviral Immunotherapy. 333-346

448 RNA Virus Families: Distinguishing Characteristics, Differences, and Similarities. 195-210

447 Jak-Stat Pathway in Response to Virus Infection. 75-90

1

446 Toll-Like Receptors. 107-122

445 Role of Toll-Like Receptors in the Innate Immune Response to RNA Viruses. 7-27

444 USING OF MOUSE MODEL TO ANALYZE IMMUNE RESPONSE TO INFECTIOUS PATHOGENS BY THE METHODS OF CLASSICAL GENETICS. **2014**, 1, 293

443 CHAPTER 3:Developmental Neuroimmune Mechanisms in Schizophrenia. **2015**, 46-69

442 Mechanism of Action of PICKCa Adjuvant and Its Therapeutic Vaccines. **2015**, 03, 70-80

1

441 Rodent Models of Multiple Environmental Exposures with Relevance to Schizophrenia. **2016**, 23, 361-371

440 The 2015 Incentive Award of the Okayama Medical Association in General Medical Science (2015 Yuuki Prize). **2016**, 128, 91-94

439 Innate Cytokine Responses and Their Functions during Viral Infections. **2016**, 222-234

438 Immune Activation in the Liver by Nucleic Acids. **2016**, 4, 151-7

5

437 Loss of the homologous recombination gene rad51 leads to Fanconi anemia-like symptoms in zebrafish.

436 TLR3 Is a Death Receptor Target in Cancer Therapy. **2017**, 159-185

435 HostBiofilm Interactions at Mucosal Surfaces and Implications in Human Health. **2017**, 203-236

- 434 Production of RNase III-knockout, auxotrophic *Edwardsiella tarda* mutant for delivery of long double-stranded RNA and evaluation of its immunostimulatory potential. **2017**, 68, 474-478
- 433 High-Risk Pregnancy: Management Options. **2018**, 1
- 432 Molecular Life Sciences. **2018**, 1192-1198
- 431 Gene Profile Expression Related to Type I Interferons in HT-29 Cells Exposed to *Cryptosporidium parvum*. **2018**, 11,
- 430 Toll-like receptor 3 activation increases voluntary alcohol intake in C57BL/6J male mice.
- 429 TLR3 deficiency exacerbates the loss of epithelial barrier function during genital tract *Chlamydia muridarum* infection.
- 428 TLR3 Deficiency Leads to a Dysregulation in the Global Gene-Expression Profile in Murine Oviduct Epithelial Cells Infected with. **2019**, 1, 1-13 1
- 427 Analysis of Functional Virus-generated PAMP RNAs Using IFN γ ELISA Assay. **2019**, 9, e3282
- 426 Chapter 5: TBE in adults.
- 425 CHAPTER 14: Synthetic Agonists of Toll-like Receptors and Therapeutic Applications. **2019**, 306-338
- 424 An equilibrium binding model for CpG DNA-dependent dimerization of Toll-like receptor 9.
- 423 PROSPECTS OF TOLL-LIKE RECEPTOR AGONISTS AND ANTAGONISTS FOR PREVENTION AND TREATMENT OF VIRAL INFECTIONS. **2019**, 21, 397-406 0
- 422 Establishment of primary transgenic human airway epithelial cell cultures to study respiratory virus host interactions.
- 421 OPTN translocates to an ATG9A-positive compartment to regulate innate immune signalling and cytokine secretion.
- 420 m6A methylation potentiates cytosolic dsDNA recognition in a sequence-specific manner.
- 419 Differential remodeling of the electron transport chain is required to support TLR3 and TLR4 signaling and cytokine production in macrophages.
- 418 De novo EIF2AK1 and EIF2AK2 variants are associated with developmental delay, leukoencephalopathy, and neurologic decompensation.
- 417 Migration of intestinal dendritic cell subsets upon intrinsic and extrinsic TLR3 stimulation.

416	EFFICACY OF SPECIFIC PREVENTION OF INFLUENZA IN INDIVIDUALS WITH POLYMORPHISMS ARG753GLN OF TLR-2, LEU412PHE OF TLR-3, ASP299GLY OF TLR-4 GENES. 2020 , 73, 1944-1949	
415	Interferons and Their Role in Viral Infection. 2020 , 61-80	1
414	A 3D "" Model to Study Hyaluronan Effect in Nasal Epithelial Cell Line Exposed to Double-Stranded RNA Poly(I:C). 2020 , 28, 272-281	1
413	Long-term sterile immunity induced by an adjuvant-containing live-attenuated AIDS virus.	
412	Single-cell Profiling of the Response to Poly I:C in Peripheral Blood Mononuclear Cells in Severe Asthma.	
411	Vaccine development and technology for SARS-CoV-2: Current insight. 2021 ,	3
410	A Review of Human Coronaviruses' Receptors: The Host-Cell Targets for the Crown Bearing Viruses. 2021 , 26,	11
409	Exploiting viral sensing mediated by Toll-like receptors to design innovative vaccines. 2021 , 6, 127	8
408	The crosstalk between viral RNA- and DNA-sensing mechanisms. 2021 , 78, 7427-7434	3
407	The antiviral and immunomodulatory activities of propolis: An update and future perspectives for respiratory diseases. 2021 ,	3
406	Molecular Insight of PlantPathogen Interaction. 2020 , 481-511	
405	Inter-breeder differences in prepulse inhibition deficits of C57BL/6J mice in a maternal infection model for schizophrenia.	
404	Molecular evolution and expression pattern of Toll-like receptor 3 from the lamprey <i>Lampetra japonica</i> . 2021 , 53, 258-261	0
403	STAT1 and STAT2 Null Cells Are Resistant to RNA-Induced Apoptosis Due to Deficiency in Constitutive and Inducible Apoptosis-Regulating Genes. 2020 , 10, 165-187	
402	Defective influenza A virus RNA products mediate MAVS-dependent upregulation of human leukocyte antigen class I proteins.	
401	Patogenesis de vitigo. Teorã autoimune. 2020 , 29, 61-76	
400	Maternal Immune Activation as a Risk Factor for Schizophrenia: Evidence From Preclinical and Clinical Studies. 2020 , 129-154	1
399	Invasive Species Control and Resolution of Wildlife Damage Conflicts: A Framework for Chemical and Genetically Based Management Methods. 2020 , 193-222	1

- 398 Inborn errors of TLR3- or MDA5-dependent type I IFN immunity in children with enterovirus rhombencephalitis. **2021**, 218, 4
- 397 HIF-1 β Regulation of Cytokine Production following TLR3 Engagement in Murine Bone Marrow-Derived Macrophages Is Dependent on Viral Nucleic Acid Length and Glucose Availability. **2021**, 207, 2813-2827 0
- 396 Characterization of RNA Sensing Pathways in Hepatoma Cell Lines and Primary Human Hepatocytes. **2021**, 10, 0
- 395 Corticosteroid treatment in COVID-19 modulates host inflammatory responses and transcriptional signatures of immune dysregulation. **2021**, 110, 1225-1239 1
- 394 Inflammatory bowel diseases and genetic.
- 393 İflamatuvar barsak hastalıklarına genetik.
- 392 MDA5 is an essential vita-PAMP sensor necessary for host resistance against *Aspergillus fumigatus*.
- 391 Recognition of Pathogens: Toll-Like Receptors. **2008**, 1-36
- 390 Epithelial Cell Innate Responses to Rhinovirus Infection. **2009**, 267-284 1
- 389 The Central Role of NF- κ B in the Regulation of Immunity to Infection. **2006**, 91-111
- 388 Viral Pathogenesis and Toll-Like Receptors. **2005**, 221-243
- 387 How Viruses Elicit Interferon Production. **2005**, 19-34 1
- 386 Genes Modulated by Interferons and Double-Stranded RNA. **2005**, 35-63
- 385 Innate immune responses in inflammatory bowel disease. 3-11
- 384 DNA Vaccines Against Cancer. **2007**, 193-215
- 383 Polynucleotide Immunization for Cancer Therapy. **2005**, 185-197
- 382 Knockout and Disease Models in Toll-Like Receptor-Mediated Immunity. **2006**, 41-61
- 381 Gastrointestinal Mucosal Immunology. **2006**, 23-54

380	Toll-Like Receptors. 2008 , 67-84	
379	Neuroinflammation and Toll-Like Receptors in the Skin. 2009 , 89-102	
378	siRNA Therapeutic Design: Tools and Challenges. 2012 , 475-503	0
377	Activation of the antiviral factor RNase L triggers translation of non-coding mRNA sequences.	
376	Transmission routes of human immunodeficiency virus and affecting factors. 2020 , 28, 873-883	1
375	Sex differences and similarities in the neuroimmune response to central administration of poly I:C.	
374	Mechanistic analysis of the enhanced RNAi activity by 6-mCEPh-purine at the 5' end of the siRNA guide strand. 2021 , 27, 151-162	4
373	Toll-like receptors (TLRs) expression and function in response to inactivate hyphae of <i>Fusarium solani</i> in immortalized human corneal epithelial cells. 2007 , 13, 1953-61	25
372	Alteration of TLR3 pathways by glucocorticoids may be responsible for immunosusceptibility of human corneal epithelial cells to viral infections. 2009 , 15, 937-48	24
371	Pathophysiology of viral-induced exacerbations of COPD. 2007 , 2, 477-83	11
370	The role of immunostimulatory nucleic acids in septic shock. 2012 , 5, 1-23	9
369	Alzheimer's Disease: Fatty Acids We Eat may be Linked to a Specific Protection via Low-dose Aspirin. 2010 , 1, 37-59	7
368	A Toll-like receptor 3 agonist (polyI:C) elicits innate host responses in the spleen and lungs of chickens. 2012 , 76, 230-4	6
367	PATHOLOGICAL ASPECTS OF THE ANTI-INFLAMMATORY/IMMUNE SUPPRESSIVE RESPONSE IN SEPSIS AND SHOCK. 2003 , 5, 13-35	
366	Role of toll-like receptors in multiple sclerosis. 2013 , 2, 75-93	45
365	Increase in peripheral blood mononuclear cell Toll-like receptor 2/3 expression and reactivity to their ligands in a cohort of patients with wet age-related macular degeneration. 2013 , 19, 1826-33	8
364	The role of toll like receptors in pregnancy. 2013 , 7, 147-54	23
363	Targeting toll-like receptor signaling as a novel approach to prevent ocular infectious diseases. 2013 , 138, 609-19	20

362	Optimizing dendritic cell-based approaches for cancer immunotherapy. 2014 , 87, 491-518	37
361	The adaptor protein CARD9, from fungal immunity to tumorigenesis. 2020 , 10, 2203-2225	2
360	Association of Clonal Hematopoiesis with Chronic Obstructive Pulmonary Disease. 2021 ,	5
359	New Insights into the Role of Cysteine Cathepsins in Neuroinflammation.. 2021 , 11,	4
358	Inhibition of PI3K Differentially Regulates Poly I:C- and Human Metapneumovirus-Induced PD-L1 and PD-L2 Expression in Human Bronchial Epithelial Cells.. 2021 , 12, 767666	0
357	Polymers Strive for Accuracy: From Sequence-Defined Polymers to mRNA Vaccines against COVID-19 and Polymers in Nucleic Acid Therapeutics. 2021 ,	2
356	Gene profiling of Toll-like receptor signalling pathways in neutrophils of patients with acute-on-chronic liver failure. 2021 , 19, 465	0
355	Cerebral dysfunctions caused by sepsis during ageing. 2021 ,	6
354	T-cell intrinsic Toll-like receptor signaling: implications for cancer immunotherapy and CAR T-cells. 2021 , 9,	2
353	Epigenetic Regulation of Endothelial Dysfunction and Inflammation in Pulmonary Arterial Hypertension. 2021 , 22,	2
352	Multimodal Identification by Transcriptomics and Multiscale Bioassays of Active Components in Xuanfeibaidu Formula to Suppress Macrophage-Mediated Immune Response. 2021 ,	1
351	A Rat Model of Prenatal Zika Virus Infection and Associated Long-Term Outcomes. 2021 , 13,	0
350	Inflammation and Liver Cell Death in Patients with Hepatitis C Viral Infection. 2021 , 43, 2022-2035	1
349	TLR9 signalling inhibits Plasmodium liver infection by macrophage activation. 2021 ,	
348	Cross-species analysis of viral nucleic acid interacting proteins identifies TAOs as innate immune regulators. 2021 , 12, 7009	1
347	Modeling Innate Antiviral Immunity in Physiological Context. 2021 , 167374	1
346	Roles of antiviral sensing and type I interferon signaling in the restriction of SARS-CoV-2 replication. 2021 , 103553	1
345	Defects in Innate Immunity: Receptors and Signaling Components. 2021 ,	

344	Type I interferons: One stone to concurrently kill two birds, viral infections and cancers. 2021 , 2, 100014	0
343	Candidate Role for Toll-like Receptor 3 L412F Polymorphism and Infection in Acute Exacerbation of Idiopathic Pulmonary Fibrosis.. 2022 ,	1
342	Age-Related Impairment of Innate and Adaptive Immune Responses Following Intranasal Herpes Simplex Infection.	
341	Gender-specific development of experimental autoimmune cholangitis induced by double-stranded RNA.. 2021 , 588, 90-96	1
340	Role of macrophages in fetal development and perinatal disorders. 2021 , 90, 513-523	4
339	Toll-Like Receptors as Drug Targets in the Intestinal Epithelium. 2021 , 1	
338	TLR Signaling in Brain Immunity. 2021 ,	1
337	Mammalian antiviral systems directed by small RNA.. 2021 , 17, e1010091	2
336	Involvement of Inflammasome Components in Kidney Disease.. 2022 , 11,	4
335	Induction of TLR4/TLR2 Interaction and Heterodimer Formation by Low Endotoxic Atypical LPS.. 2021 , 12, 748303	0
334	Cysteine Peptidase Cathepsin X as a Therapeutic Target for Simultaneous TLR3/4-mediated Microglia Activation.. 2022 , 1	0
333	Elovanoids Counteract Inflammatory Signaling, Autophagy, Endoplasmic Reticulum Stress, and Senescence Gene Programming in Human Nasal Epithelial Cells Exposed to Allergens.. 2022 , 14,	0
332	Microglia activate early anti-viral responses upon HSV-1 entry into the brain to counteract development of encephalitis-like disease in mice.. 2022 , JVI0131121	0
331	Nanotechnologies in Delivery of DNA and mRNA Vaccines to the Nasal and Pulmonary Mucosa.. 2022 , 12,	2
330	Cytosolic dsRNA improves neonatal innate immune responses to adjuvants in use in pediatric vaccines.. 2022 ,	
329	Shaping the Innate Immune Response Through Post-Transcriptional Regulation of Gene Expression Mediated by RNA-Binding Proteins.. 2021 , 12, 796012	1
328	Lipopolysaccharide induced altered signaling pathways in various neurological disorders.. 2022 , 395, 285	2
327	SARS-CoV-2 NSP13 Inhibits Type I IFN Production by Degradation of TBK1 via p62-Dependent Selective Autophagy.. 2022 ,	9

326	Long dsRNA mediated RNA interference (dsRNAi) is antiviral in interferon competent mammalian cells.	
325	Activation and Immune Regulation Mechanisms of PYHIN Family During Microbial Infection.. 2021 , 12, 809412	0
324	RNA-Based Strategies for Cell Reprogramming toward Pluripotency.. 2022 , 14,	1
323	Evolution of RNA sensing receptors in birds.. 2022 , 74, 149	0
322	Targeted degradation of PCNA outperforms stoichiometric inhibition to result in programmed cell death.	
321	Antioxidant and Anti-Inflammatory Activity of Combined Phycocyanin and Palmitoylethanolamide in Human Lung and Prostate Epithelial Cells.. 2022 , 11,	1
320	FTY720 requires vitamin B12-TCN2-CD320 signaling in astrocytes to reduce disease in an animal model of multiple sclerosis.	0
319	Toll-like receptor 8 agonists improve NK-cell function primarily targeting CD56CD16 subset.. 2022 , 10,	1
318	CD14 Is Involved in the Interferon Response of Human Macrophages to Rubella Virus Infection.. 2022 , 10,	1
317	Strategies for fighting pandemic virus infections: Integration of virology and drug delivery.. 2022 ,	2
316	Curcumin attenuates poly(I:C)-induced immune and inflammatory responses in mouse macrophages by inhibiting TLR3/TBK1/IFN β cascade. 2022 , 89, 104949	0
315	The Emerging Role of RNA Modifications in the Regulation of Antiviral Innate Immunity.. 2022 , 13, 845625	0
314	Maternal immune activation with high molecular weight poly(I:C) in Wistar rats leads to elevated immune cell chemoattractants.. 2022 , 364, 577813	0
313	Intravenous liposomal vaccine enhances CTL generation, but not until antigen presentation.. 2022 , 343, 1-1	1
312	A Novel Prophylaxis Strategy Using Liposomal Vaccine Adjuvant CAF09b Protects against Influenza Virus Disease.. 2022 , 23,	0
311	Transcriptome Analysis of the Kidney of Obscure Puffer, , Challenged with Poly(I:C).. 2022 , 39, 198-205	
310	Influence of Prenatal Drug Exposure, Maternal Inflammation, and Parental Aging on the Development of Autism Spectrum Disorder.. 2022 , 13, 821455	2
309	NSG-Mice Reveal the Importance of a Functional Innate and Adaptive Immune Response to Overcome RVFV Infection.. 2022 , 14,	0

308	Bacterial and viral coinfection in idiopathic pulmonary fibrosis patients: the prevalence and possible role in disease progression.. 2022 , 22, 60	1
307	Modulation of the NLRP3 inflammasome by Sars-CoV-2 Envelope protein.. 2021 , 11, 24432	9
306	Genome-scale CRISPR screen identifies TMEM41B as a multi-function host factor required for coronavirus replication. 2021 , 17, e1010113	6
305	Toll-Like Receptor 3. 2022 , 1-24	
304	Molecular signaling of inflammatory responses in macrophages. 2022 , 73-97	
303	Immune Response to Viruses. 2022 , 429-444	0
302	Toll-Like Receptors (TLRs). 2022 , 607-630	
301	RNA interference as a novel treatment strategy for chronic hepatitis B infection.. 2022 ,	6
300	Transcriptional Expression Profiles of Olive Flounder (<i>Paralichthys olivaceus</i>) Toll-like Receptor 3 (TLR3) and TLR22 in Response to Extracellular Poly I:C Stimuli. 2022 , 34, 23-33	
299	Early events in reovirus infection influence induction of innate immune response.	0
298	LL-37 and Double-Stranded RNA Synergistically Upregulate Bronchial Epithelial TLR3 Involving Enhanced Import of Double-Stranded RNA and Downstream TLR3 Signaling.. 2022 , 10,	
297	COVID-19 mRNA vaccines: platforms and current developments.. 2022 ,	6
296	Modulation of Type I Interferon Responses to Influence Tumor-Immune Cross Talk in PDAC.. 2022 , 10, 816517	1
295	Recent Advances in the Development of Toll-like Receptor Agonist-Based Vaccine Adjuvants for Infectious Diseases.. 2022 , 14,	2
294	Sequential Combination of a Strong Interferon Inducer Viral Vector With Low Doses of Nivolumab Plus Ipilimumab Could Provide Functional Cure in Chronic Hepatitis B Virus infections: Technical Report Proposing a New Modality.. 2022 , 14, e22750	0
293	Retinoic Acid-Inducible Gene I-Mediated Innate Immune Stimulation by Chemically Synthesized Long Double-Stranded RNAs Is Structure and Sequence Dependent.. 2022 ,	
292	Coevolutionary Analysis Implicates Toll-Like Receptor 9 in Papillomavirus Restriction.. 2022 , e0005422	0
291	Human Multi-Compartment Platform for Emulating Respiratory Airborne Transmission: From Nose to Pulmonary Acini.. 2022 , 13, 853317	2

290	Mechanisms of innate and adaptive immunity to the Pfizer-BioNTech BNT162b2 vaccine.. 2022,	11
289	Autophagy Pathways in the Genesis of -Derived Microvesicles: A Double-Edged Sword?. 2022, 12,	0
288	Cancer vaccines as promising immuno-therapeutics: platforms and current progress.. 2022, 15, 28	16
287	Toll-Like Receptor 3 in Cardiovascular Diseases.. 2022,	1
286	Nanoscale delivery platforms for RNA therapeutics: Challenges and the current state of the art.. 2022, 3, 167-187	1
285	N1-methylpseudouridine-incorporated mRNA enhances exogenous protein expression and suppresses immunogenicity in primary human fibroblast-like synoviocytes.	
284	PM increases mouse blood pressure by activating toll-like receptor 3.. 2022, 234, 113368	1
283	Ribonuclease-1 treatment after traumatic brain injury preserves blood-brain barrier integrity and delays secondary brain damage in mice.. 2022, 12, 5731	0
282	Multimeric RNAs for efficient RNA-based therapeutics and vaccines.. 2022,	1
281	Isobavachalcone suppresses the TRIF-dependent signaling pathway of Toll-like receptors.. 2021, e2100404	0
280	External signals regulate continuous transcriptional states in hematopoietic stem cells.. 2021, 10,	0
279	Toll-Like Receptors (TLRs), NOD-Like Receptors (NLRs), and RIG-I-Like Receptors (RLRs) in Innate Immunity. TLRs, NLRs, and RLRs Ligands as Immunotherapeutic Agents for Hematopoietic Diseases.. 2021, 22,	9
278	Mini Review: Structure and Function of Nematode Phosphorylcholine-Containing Glycoconjugates. 2021, 2,	0
277	Activation of Innate Immunity by Therapeutic Nucleic Acids.. 2021, 22,	3
276	Alterations in Toll-Like Receptor 7 and -9 mRNA Levels in Lungs after Ovariohysterectomy in a Pyometra Mouse Model.. 2021, 1-13	
275	The Influence of Mitochondrial-DNA-Driven Inflammation Pathways on Macrophage Polarization: A New Perspective for Targeted Immunometabolic Therapy in Cerebral Ischemia-Reperfusion Injury.. 2021, 23,	3
274	Healing of Severe Herpes Zoster Ophthalmicus Within a Few Days: An Autobiographical Case Report.. 2021, 13, e20303	1
273	RNA metabolism and links to inflammatory regulation and disease.. 2021, 79, 21	

272	Porcine Reproductive and Respiratory Syndrome Virus Evades Antiviral Innate Immunity MicroRNAs Regulation.. 2021 , 12, 804264	1
271	The Kinase MAP4K1 Inhibits Cytosolic RNA-Induced Antiviral Signaling by Promoting Proteasomal Degradation of TBK1/IKK β 2021 , 9, e0145821	1
270	Baricitinib combination therapy: a narrative review of repurposed Janus kinase inhibitor against severe SARS-CoV-2 infection.. 2021 , 50, 295	2
269	Modified mRNA-Based Vaccines Against Coronavirus Disease 2019.. 2022 , 31, 9636897221090259	1
268	Nucleoside modifications of in vitro transcribed mRNA to reduce immunogenicity and improve translation of prophylactic and therapeutic antigens. 2022 , 141-169	
267	Multidimensional Roles of Microglial Cells in Neuroviral Infections. 2022 , 539-564	
266	Drop the Needle; A Temperature Stable Oral Tablet Vaccine Is Protective against Respiratory Viral Pathogens.. 2022 , 10,	0
265	A clinically validated, broadly active, oral viral superinfection therapy could mitigate symptoms in early-stage COVID-19 patients.. 2022 ,	0
264	Nuclear microRNAs release paused Pol II via the DDX21-CDK9 complex.. 2022 , 39, 110673	0
263	mRNA vaccines: the most recent clinical applications of synthetic mRNA.. 2022 , 45, 245	2
262	Emerging role of RNA sensors in tumor microenvironment and immunotherapy.. 2022 , 15, 43	0
261	Presentation_1.pptx. 2019 ,	
260	Image_1.pdf. 2018 ,	
259	Data_Sheet_1.pdf. 2020 ,	
258	Image_1.TIF. 2018 ,	
257	Image_2.TIF. 2018 ,	
256	Image_3.TIF. 2018 ,	
255	Image_4.TIF. 2018 ,	

254 Table_1.DOCX. 2018,

253 Table_2.XLSX. 2018,

252 Data_Sheet_1.PDF. 2018,

251 Data_Sheet_2.PDF. 2018,

250 Image_1.TIF. 2018,

249 Image_2.TIF. 2018,

248 Image_3.TIF. 2018,

247 Image_4.TIF. 2018,

246 Image_5.TIF. 2018,

245 Table_1.DOCX. 2018,

244 Data_Sheet_1.PDF. 2020,

243 Data_Sheet_1.PDF. 2018,

242 Presentation_1.zip. 2018,

241 Video_1.MP4. 2018,

240 Image_1.pdf. 2019,

239 Table_1.DOCX. 2019,

238 Image_1.TIF. 2020,

237 Image_2.TIF. 2020,

236 Image_3.TIF. 2020,

235 Image_4.TIF. 2020,

234 Table_1.DOC. 2020,

233 Data_Sheet_1.docx. 2019,

232 Data_Sheet_2.docx. 2019,

231 Data_Sheet_3.docx. 2019,

230 Image_1.JPEG. 2020,

229 Image_2.JPEG. 2020,

228 Image_3.JPEG. 2020,

227 Table_1.XLSX. 2019,

226 Table_2.XLSX. 2019,

225 Table_3.XLSX. 2019,

224 Table_4.XLSX. 2019,

223 Table_5.XLSX. 2019,

222 Table_6.XLSX. 2019,

221 Presentation_1.pptx. 2018,

220 Data_Sheet_1.zip. 2018,

219 Image_1.PDF. 2018,

218 data_sheet_1.DOCX. 2018,

217 Image_1.JPEG. 2020,

216 Table_1.DOCX. 2020,

215 Data_Sheet_1.docx. 2019,

214 Table_1.DOCX. 2020,

213 DataSheet1.pdf. 2018,

212 Image1.JPEG. 2018,

211 Image2.JPEG. 2018,

210 Image3.TIF. 2018,

209 Image_1.JPEG. 2020,

208 Image4.JPEG. 2018,

207 Image5.TIF. 2018,

206 Image6.TIF. 2018,

205 Image_1.JPEG. 2020,

204 Image_2.JPEG. 2020,

203 Image_3.JPEG. 2020,

202 Image_4.JPEG. 2020,

201 Table_1.XLSX. 2020,

200 Table_2.XLSX. 2020,

199 Table_3.docx. 2020,

198 Table_4.XLSX. 2020,

197 Data_Sheet_1.docx. 2020,

196 Image_1.JPEG. 2020,

195 Image_2.jpg. 2020,

194 Image_3.JPEG. 2020,

193 Image_4.JPEG. 2020,

192 Image_5.JPEG. 2020,

191 Image_6.jpg. 2020,

190 Advances in COVID-19 mRNA vaccine development.. 2022, 7, 94

11

189 Recent Patents on Nasal Vaccines Containing Nanoadjuvants.. 2022,

0

188 Nucleic Acid Sensing Pathways in DNA Repair Targeted Cancer Therapy.. 2022, 10, 903781

1

187 Molecular cloning, characterization and expression analysis of CXCR3a and CXCR3b from Nile tilapia (*Oreochromis niloticus*).. 2022,

186 Bacteria in cancer therapy: A new generation of weapons.. 2022,

0

185 Toll-like receptor-agonist-based therapies for respiratory viral diseases: thinking outside the cell.. 2022, 31,

2

184 Discovery and Use of Long dsRNA Mediated RNA Interference to Stimulate Antiviral Protection in Interferon Competent Mammalian Cells. 2022, 13,

0

183 Poly(I:C) exposure during in vitro fertilization disrupts first cleavage of mouse embryos and subsequent blastocyst development.. 2022, 151, 103635

- 182 [The innate immune response to SARS-CoV-2].. **2021**, 71, 33-40
- 181 Toll-like Receptor Response to Hepatitis C Virus Infection: A Recent Overview. **2022**, 23, 5475 1
- 180 Distinct Signature Type I Interferon Responses are Determined by the Infecting virus and the Target Cell. **2008**, 13, 409-422 24
- 179 DNA double-strand break repair and nucleic acid-related immunity. **2022**, 0
- 178 Regulation of TLR10 Expression and Its Role in Chemotaxis of Human Neutrophils. 1-14
- 177 Immunization with CSP and a RIG-I Agonist is Effective in Inducing a Functional and Protective Humoral Response Against Plasmodium. **2022**, 13, 1
- 176 mRNA-based therapies: Preclinical and clinical applications. **2022**, 1
- 175 Deubiquitinases in cell death and inflammation. **2022**, 479, 1103-1119 1
- 174 SARS-CoV-2 infection in patients with inborn errors of immunity due to DNA repair defects. **2022**, 0
- 173 Intranasal bovine β -defensin-5 enhances antituberculosis immunity in a mouse model by a novel protein-based respiratory mucosal vaccine. **2022**, 13, 949-962 1
- 172 Changes in Pulmonary Microenvironment Aids Lung Metastasis of Breast Cancer. 12,
- 171 Chapter 5: TBE in adults. **2022**,
- 170 Multicomponent encapsulation into fully degradable protein nanocarriers via interfacial azide-alkyne click reaction in miniemulsion allows the co-delivery of immunotherapeutics. 1
- 169 A distal enhancer is required for TNF gene transcription in human macrophages in response to TLR3 stimulation.
- 168 Trypanthrin attenuates TLR3-mediated STAT1 activation in THP-1 cells.
- 167 Cyprinid-specific duplicated membrane TLR5 senses dsRNA as functional homodimeric receptors. 0
- 166 MiR-142-5p/FAM134B Axis Manipulates ER-Phagy to Control PRRSV Replication. 13,
- 165 Understanding Necroptosis in Pancreatic Diseases. **2022**, 12, 828 1

164	Non-standard viral genome-derived RNA activates TLR3 and type I IFN signaling to induce cDC1-dependent CD8+ T-cell responses during vaccination in mice.	
163	Research advances on interferon (IFN) response during BVDV infection. 2022 ,	0
162	Poly(I:C) transfection induces a pro-inflammatory cascade in murine mammary carcinoma and fibrosarcoma cells. 2022 , 19, 841-851	1
161	HAO1-mediated oxalate metabolism promotes lung pre-metastatic niche formation by inducing neutrophil extracellular traps.	1
160	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. 2022 , 219,	5
159	Cryo-electron Microscopic Analysis of Single-Pass Transmembrane Receptors.	1
158	Human Testicular Germ Cells, a Reservoir for Zika Virus, Lack Antiviral Response Upon Zika or Poly(I:C) Exposure. 13,	0
157	N1-methylpseudouridine-incorporated mRNA enhances exogenous protein expression and suppresses immunogenicity in primary human fibroblast-like synoviocytes.	0
156	Interferon induction, evasion, and paradoxical roles during SARS-CoV-2 infection.	3
155	mRNA vaccine development for cholangiocarcinoma: a precise pipeline. 2022 , 9,	0
154	Genetic polymorphisms in TLR3, IL10 and CD209 influence the risk of BK polyomavirus infection after kidney transplantation. 2022 , 12,	0
153	Messenger RNA Based Vaccines and Their immunological effect on diseases. 2022 , 22, 28-34	
152	Nucleic acid receptor ligands improve vaccination efficacy against the filarial nematode <i>Litomosoides sigmodontis</i> .	
151	Microbial RNA, the New PAMP of Many Faces. 3,	
150	Early Events in Reovirus Infection Influence Induction of Innate Immune Response.	0
149	Apoptotic caspases suppress an MDA5-driven IFN response during productive replication of human papillomavirus type 31. 2022 , 119,	0
148	Proteoglycans in Toll-like receptor responses and innate immunity. 2022 , 323, C202-C214	0
147	Application of potential probiotic strain <i>Streptomyces</i> sp. SH5 on anti- <i>Aeromonas</i> infection in zebrafish larvae. 2022 , 127, 375-385	0

146	Combining Innate Immunity With Radiation Therapy for Cancer Treatment. 2005 , 11, 7-11	4
145	Roles of RNA Sensors in Host Innate Response to Influenza Virus and Coronavirus Infections. 2022 , 23, 8285	1
144	Effect of mild intermittent cold stimulation on thymus immune function in broilers. 2022 , 102073	0
143	Immunomodulatory roles of red blood cells. Publish Ahead of Print,	0
142	Biological response of extracorporeal shock wave therapy to tendinopathy in vivo (review). 9,	0
141	TRIM18 is a critical regulator of viral myocarditis and organ inflammation. 2022 , 29,	0
140	Human Lung Fibroblasts Exhibit Induced Inflammation Memory via Increased IL6 Gene Expression and Release. 13,	0
139	Transcriptional response to VZV infection is modulated by RNA polymerase III in lung epithelial cell lines. 12,	
138	PKR and TLR3 trigger distinct signals that coordinate the induction of antiviral apoptosis. 2022 , 13,	1
137	Immune responses and immunosuppressive strategies for adeno-associated virus based gene therapy for treatment of central nervous system disorders: current knowledge and approaches.	
136	Properties of Cephalopod Skin Ommochromes to Inhibit Free Radicals, and the Maillard Reaction and Retino-Protective Mechanisms in Cellular Models Concerning Oxidative Stress, Angiogenesis, and Inflammation. 2022 , 11, 1574	
135	Maternal immune activation in rats induces dysfunction of placental leucine transport and alters fetal brain growth. 2022 , 136, 1117-1137	1
134	Studies on chitosan-. 2022 , 75, 467-476	
133	Molecular characterization and functional analysis of DIGIRR from golden pompano (<i>Trachinotus ovatus</i>). 13,	0
132	Toll-like receptors and their role in neuropathic pain and migraine. 2022 , 15,	2
131	Receptor for advanced glycation end-products (RAGE) mediates phagocytosis in nonprofessional phagocytes. 2022 , 5,	2
130	Nile tilapia TLR3 recruits MyD88 and TRIF as adaptors and is involved in the NF- κ B pathway in the immune response. 2022 , 218, 878-890	0
129	Effects of niacin on intestinal epithelial Barrier, intestinal Immunity, and microbial community in weaned piglets challenged by PDCoV. 2022 , 111, 109054	1

- 128 LncRNA-mRNA integrated profiling analysis in response to white spot syndrome virus in hepatopancreas in *Penaeus japonicus*. **2022**, 129, 251-262 0
- 127 Salmonid alphavirus non-structural protein 2 is a key protein that activates the NF- κ B signaling pathway to mediate inflammatory responses. **2022**, 129, 182-190 0
- 126 The subversion of toll-like receptor signaling by bacterial and viral proteases during the development of infectious diseases. **2022**, 88, 101143 1
- 125 Expression of Toll-like receptor and cytokine mRNAs in feline odontoclastic resorptive lesion (FORL) and feline oral health. **2022**, 152, 395-402 0
- 124 Cyclosporin A inhibits dendritic cell maturation promoted by TNF- α or LPS but not by double-stranded RNA or CD40L. **2002**, 72, 953-961 10
- 123 COVID-19: possible role of vitamin D supplementation in preventing infection and reducing symptom severity. **2021**, 1, 80-86 0
- 122 Host-pathogen protein-nucleic acid interactions: A comprehensive review. **2022**, 20, 4415-4436 2
- 121 Synthetic mRNA Gene Therapies and Hepatotropic Non-viral Vectors for the Treatment of Chronic HBV Infections. **2022**, 157-179 0
- 120 Unconventional functions of miRNAs. **2022**, 181-214 0
- 119 Impact of SARS-CoV-2 infection during pregnancy on postnatal brain development: The potential role of glial cells. **2022**, 46, 2517-2523 0
- 118 Hospital-Based RNA Therapeutics. **2022**, 73-92 0
- 117 Identification of Avian Toll-Like Receptor 3 and 7 and Analysis of Gene Variation Sites. **2022**, 24, 0
- 116 Gut Non-Bacterial Microbiota: Emerging Link to Irritable Bowel Syndrome. **2022**, 14, 596 1
- 115 The intersection molecule MDA5 in Cancer and COVID-19. 13, 0
- 114 COVID-19 plasma exosomes promote pro-inflammatory immune responses in peripheral blood mononuclear cells. 0
- 113 An Orally Administered Nonpathogenic Attenuated Vaccine Virus Can Be Used to Control SARS-CoV-2 Infection: A Complementary Plan B to COVID-19 Vaccination. **2022**, 0
- 112 Enhancing the immune effect of oHSV-1 therapy through TLR3 signaling in uveal melanoma. 0
- 111 COVID-19 plasma exosomes promote pro-inflammatory immune responses in peripheral blood mononuclear cells. 0

110	Toll-like Receptor Mediation in SARS-CoV-2: A Therapeutic Approach. 2022 , 23, 10716	2
109	Cytokine storm and neuropathological alterations in patients with neurological manifestations of COVID-19. 2022 , 19,	1
108	IFITM3 restricts virus-induced inflammatory cytokine production by limiting Nogo-B mediated TLR responses. 2022 , 13,	1
107	Impact of genetic polymorphisms related to innate immune response on respiratory syncytial virus infection in children.	1
106	Novel Therapies in Clinical Development for Advanced Disease.	0
105	Extracellular self-RNA: A danger elicitor in pepper induces immunity against bacterial and viral pathogens in the field. 13,	0
104	Adjuvant effect of IRES-based single-stranded RNA on melanoma immunotherapy. 2022 , 22,	0
103	Comparing the expression levels of tripartite motif containing 28 in mild and severe COVID-19 infection. 2022 , 19,	0
102	Pattern Recognition Receptors and Fulminant Myocarditis. 2022 , 11-26	0
101	Recent insights into crosstalk between genetic parasites and their host genome.	0
100	Gelatin/Hyaluronic Acid Scaffold Coupled to CpG and MAGE-A5 as a Treatment against Murine Melanoma. 2022 , 14, 4608	0
99	Of Flies and Men—the Discovery of TLRs. 2022 , 11, 3127	1
98	Adaptation to host cell environment during experimental evolution of Zika virus. 2022 , 5,	0
97	Personalized pancreatic cancer therapy: from the perspective of mRNA vaccine. 2022 , 9,	0
96	Effect of Haemophilus influenzae , Streptococcus pneumoniae and influenza vaccinations on infections, immune response and asthma control in preschool children with asthma.	0
95	Anti-inflammatory effects of theaflavin-3?-gallate during influenza virus infection through regulating the TLR4/MAPK/p38 pathway. 2022 , 175332	0
94	Targeted degradation of PCNA outperforms stoichiometric inhibition to result in programmed cell death. 2022 ,	0
93	Mitochondrial Electron Transport Chain Complex II Dysfunction Causes Premature Aging of Hematopoietic Stem Cells.	0

92	Nucleic acid-sensing toll-like receptors: Important players in Sjögren's syndrome. 13,	0
91	HSC-Derived Fatty Acid Oxidation in Steady-State and Stressed Hematopoiesis. 2022 ,	0
90	Toll-like receptor 3 neuroimmune activation and behavior change: a strain comparison between Lewis and Wistar rats. 2022 , 114200	0
89	Adjuvants influence the maturation of VRC01-like antibodies during immunization. 2022 , 105473	0
88	RNA sensor response in HeLa cells for transfected mRNAs prepared in vitro by SP6 and HiT7 RNA polymerases: A comparative study. 10,	0
87	Non-standard viral genome-derived RNA activates TLR3 and type I IFN signaling to induce cDC1-dependent CD8+ T-cell responses during vaccination in mice. 2022 ,	0
86	Toll-Like Receptor 3. 2022 , 1279-1302	0
85	Innate immune mechanisms of mRNA vaccines. 2022 , 55, 1993-2005	4
84	SRA Suppresses Antiviral Innate Immune Response in Macrophages by Limiting TBK1 K63 Ubiquitination via Deubiquitinase USP15.	0
83	Differential Expression of Endogenous Retroviruses and Inflammatory Mediators in Female and Male Offspring in a Mouse Model of Maternal Immune Activation. 2022 , 23, 13930	1
82	Co-infection of porcine deltacoronavirus and porcine epidemic diarrhea virus induces early TRAF6-mediated NF- κ B and IRF7 signaling pathways through TLRs. 2022 , 12,	0
81	TLR3 forms a highly organized cluster when bound to a poly(I:C) RNA ligand. 2022 , 13,	0
80	Effect of TLR3/dsRNA complex inhibitor on Poly(I:C)-induced airway inflammation in Swiss albino mice.	0
79	IL-33 promotes increased replication of Theiler's Murine Encephalomyelitis Virus in RAW264.7 macrophage cells with an IRF3-dependent response. 2022 , 199007	0
78	Functions and cellular signaling by ribosomal extracellular RNA (rexRNA): Facts and hypotheses on a non-typical DAMP. 2023 , 1870, 119408	0
77	Maternal behaviours and adult offspring behavioural deficits are predicted by maternal TNF α concentration in a rat model of neurodevelopmental disorders. 2023 , 108, 162-175	1
76	Innate antiviral immunity and immunometabolism in hepatocytes. 2023 , 80, 102267	0
75	Nanoformulations targeting immune cells for cancer therapy: mRNA therapeutics. 2023 , 23, 438-470	0

- 74 Stimulation of the immune system by a tumor antigen-bearing adenovirus-inspired VLP allows control of melanoma growth. **2023**, 28, 76-89 ○
- 73 Distinct changes in endosomal composition promote NLRP3 inflammasome activation. 1
- 72 dsRNA-induced immunity targets plasmodesmata and is suppressed by viral movement proteins. ○
- 71 N-acetylcysteine Reduces Inflammasome Activation Induced by SARS-CoV-2 Proteins In Vitro. **2022**, 23, 14518 ○
- 70 Mechanism of herpesvirus protein kinase UL13 in immune escape and viral replication. 13, ○
- 69 Virus-like Particles for TEM Regulation and Antitumor Therapy. **2022**, 13, 304 ○
- 68 U5 snRNP Core Proteins Are Key Components of the Defense Response against Viral Infection through Their Roles in Programmed Cell Death and Interferon Induction. **2022**, 14, 2710 1
- 67 Strengthening of the barrier function in human telomerase reverse transcription (hTERT) immortalized corneal and conjunctival epithelium by double-stranded RNA. **2022**, 109357 ○
- 66 Crosstalk between mitophagy and innate immunity in viral infection. 13, ○
- 65 New Insights into the Crosstalk among the Interferon and Inflammatory Signaling Pathways in Response to Viral Infections: Defense or Homeostasis. **2022**, 14, 2798 ○
- 64 Cold exposure impairs extracellular vesicle swarm-mediated nasal antiviral immunity. **2022**, ○
- 63 Effectiveness of seasonal influenza vaccine in elementary and middle schools: a 10-year follow-up investigation. **2022**, 22, ○
- 62 COVID-19 plasma exosomes promote proinflammatory immune responses in peripheral blood mononuclear cells. **2022**, 12, ○
- 61 The game between host antiviral innate immunity and immune evasion strategies of senecavirus A - A cell biological perspective. 13, ○
- 60 Toll-like Receptor 3 in the Hybrid Yellow Catfish (*Pelteobagrus fulvidraco* × *P. vachelli*): Protein Structure, Evolution and Immune Response to Exogenous *Aeromonas hydrophila* and Poly (I:C) Stimuli. **2023**, 13, 288 ○
- 59 Antiviral Approaches against Influenza Virus. 1
- 58 DNA Nanomaterials-Based Platforms for Cancer Immunotherapy. 2201518 ○
- 57 Differential response of RTGUTGC and RTGILL-W1 rainbow trout epithelial cell lines to viral stimulation. ○

- 56 TLR3 forms a laterally aligned multimeric complex along double-stranded RNA for efficient signal transduction. **2023**, 14, ○
- 55 Complexing CpG adjuvants with cationic liposomes enhances vaccine-induced formation of liver TRM cells. **2023**, ○
- 54 Innovative Vaccine Strategy: Self-Adjuvanting Conjugate Vaccines. **2023**, 55-72 ○
- 53 Dendritic cells and natural killer cells: The road to a successful oncolytic virotherapy. 13, ○
- 52 Innate sensing and cellular metabolism: role in fine tuning antiviral immune responses. ○
- 51 Towards the development of subunit vaccines against tuberculosis: The key role of adjuvant. **2023**, 102307 1
- 50 Liquid-liquid phase separation in viral function. **2023**, 167955 ○
- 49 Apoptosis recognition receptors regulate skin tissue repair in mice. ○
- 48 Rabies virus P protein binds to TBK1 and interferes with the formation of innate immunity-related liquid condensates. **2023**, 42, 111949 ○
- 47 Immunomodulatory and Antioxidant Properties of a Novel Potential Probiotic *Bacillus clausii* CSI08. **2023**, 11, 240 ○
- 46 The mRNA Vaccine Technology Era and the Future Control of Parasitic Infections. 1
- 45 Theilovirus 3C Protease Cleaves the C-Terminal Domain of the Innate Immune RNA Sensor, Melanoma Differentiation-Associated Gene 5, and Impairs Double-Stranded RNA-Mediated IFN Response. **2023**, 210, 335-347 ○
- 44 Double-Stranded RNA Induces Mortality in an MDA5-Mediated Type I Interferonopathy Model. **2022**, 209, 2093-2103 ○
- 43 Potent and Targeted Sindbis Virus Platform for Immunotherapy of Ovarian Cancer. **2023**, 12, 77 ○
- 42 Viral and host small RNA transcriptome analysis of SARS-CoV-1 and SARS-CoV-2-infected human cells reveals novel viral short RNAs. ○
- 41 Shaping the host cell environment with viral noncoding RNAs. **2022**, ○
- 40 The Latest Approach of Immunotherapy with Endosomal TLR Agonists Improving NK Cell Function: An Overview. **2023**, 11, 64 ○
- 39 Selection and Verification of Reference Genes for Gene Expression Studies in Different Cell Lines of Golden Pompano (*Trachinotus ovatus*). **2023**, 8, 8 ○

- 38 Viral infection and its management. **2023**, 189-207
- 37 Oncolytic Measles Virus Encoding MicroRNA for Targeted RNA Interference. **2023**, 15, 308
- 36 Sex-dependent behavioral alterations in a poly(I:C)-induced maternal immune activation model without segment filamentous bacteria.
- 35 Modulatory Effects of Heat-Inactivated Streptococcus Thermophilus Strain 7 on the Inflammatory Response: A Study on an Animal Model with TLR3-Induced Intestinal Injury. **2023**, 11, 278
- 34 Therapeutic immunomodulation by rationally designed nucleic acids and nucleic acid nanoparticles. 14,
- 33 High-salt transcription from enzymatically gapped promoters nets higher yields and purity of transcribed RNAs.
- 32 TLR3 recognition of viral double-stranded RNA in human dental pulp cells is important for the innate immunity. **2023**, 119, 110161
- 31 Toll-like receptor-3 contributes to the development of aortic valve stenosis. **2023**, 118,
- 30 Combination Therapy for the Treatment of Shingles with an Immunostimulatory Vaccine Virus and Acyclovir. **2023**, 16, 226
- 29 Signaling events induced by lipopolysaccharide-activated Toll in response to bacterial infection in shrimp. 14,
- 28 Nucleic DHX9 cooperates with STAT1 to transcribe interferon-stimulated genes. **2023**, 9,
- 27 Immune Functions of Astrocytes in Viral Neuroinfections. **2023**, 24, 3514
- 26 LL-37-dsRNA Complexes Modulate Immune Response via RIG-I in Oral Keratinocytes.
- 25 Preclinical-to-clinical Anti-cancer Drug Response Prediction and Biomarker Identification Using TINDL. **2023**,
- 24 Inborn Errors of Immunity Predisposing to Herpes Simplex Virus Infections of the Central Nervous System. **2023**, 12, 310
- 23 HECTD1 is both a positive regulator and substrate of caspase-3 activity during apoptotic cell death.
- 22 Targeting the MR1-MAIT Cell Axis Improves Vaccine Efficacy and Affords Protection against Viral Pathogens.
- 21 Association of COVID-19 with Comorbidities: An Update. **2023**, 6, 334-354

20	Modified mRNA as a Treatment for Myocardial Infarction. 2023 , 24, 4737	1
19	Insights into dendritic cell maturation during infection with application of advanced imaging techniques. 13,	0
18	Single immunizations of self-amplifying or non-replicating mRNA-LNP vaccines control HPV-associated tumors in mice. 2023 , 15,	1
17	Raddeanin A Enhances Mitochondrial DNA-cGAS/STING Axis-Mediated Antitumor Immunity by Targeting Transactive Responsive DNA-Binding Protein 43. 2206737	0
16	The pH-Responsive CS-g-PEI-g-PEG Graft Copolymer as Poly(C)/OVA Drug Carrier. 2022 , 64, 704-713	0
15	Developmental Competence of Embryo vis- [^] -vis Lipopolysaccharide. 2022 , 3, 30-39	0
14	Cancer Therapy-Induced Inflammation and Its Consequences. 2023 , 49-75	0
13	The Microbiota-Gut-Brain Axis: Psychoneuroimmunological Insights. 2023 , 15, 1496	0
12	Immunogenicity in renal cell carcinoma: shifting focus to alternative sources of tumour-specific antigens.	0
11	Alzheimer's Disease and COVID-19 Pathogenic Overlap: Implications for Drug Repurposing. 1-12	0
10	The innate and T-cell mediated immune response during acute and chronic gammaherpesvirus infection. 13,	0
9	Adjuvants influence the maturation of VRC01-like antibodies during immunization.	0
8	Revolutionizing viral disease vaccination: the promising clinical advancements of non-replicating mRNA vaccines. 2023 , 20,	0
7	Recognition System for Text Images with Uneven Illumination Based on Deep Learning. 2023 , 587-596	0
6	Anti-inflammatory properties of antiangiogenic fucoidan in retinal pigment epithelium cells. 2023 , 9, e15202	0
5	Association of Toll-Like Receptor 3 Polymorphisms with Kaposi's Sarcoma-Associated Herpesvirus Infection Among Human Immunodeficiency Virus-Infected Individuals in Xinjiang, China.	0
4	Natural and Engineered Resistance Mechanisms in Plants against Phytoviruses. 2023 , 12, 619	0
3	Differential immunophenotype of circulating monocytes from pregnant women in response to viral ligands. 2023 , 23,	0

- 2 Viral protein nanoparticles (Part 1): pharmaceutical characteristics. **2023**, 106460
- 1 Chapter 5: TBE in adults. **2023**,