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Toll-like receptors and innate immunity

DOI: 10.1038/35100529 Nature Reviews Immunology, 2001, 1, 135-45.

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#	Paper	IF	Citations
2286	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
2285	imd unveiled. <i>Nature Reviews Immunology</i> , 2001 , 1, 93-93	36.5	
2284	Phosphatidylinositol 3-kinase activity negatively regulates stability of cyclooxygenase 2 mRNA. 2002 , 277, 32992-3000		73
2283	Cutting edge: CATERPILLER: a large family of mammalian genes containing CARD, pyrin, nucleotide-binding, and leucine-rich repeat domains. 2002 , 169, 4088-93		236
2282	Mitogen-activated protein kinases and NF-kappa B are involved in TNF-alpha responses to group B streptococci. 2002 , 169, 1401-9		67
2281	A plague on host defense. 2002 , 196, 1009-12		9
2280	Critical role of signaling through IL-1 receptor for development of arthritis and sepsis during Staphylococcus aureus infection. 2002 , 168, 5207-12		68
2279	Carbohydrate epitopes and their relevance for the diagnosis and treatment of allergic diseases. 2002 , 129, 189-97		160
2278	Lipopolysaccharide-enhanced, toll-like receptor 4-dependent T helper cell type 2 responses to inhaled antigen. 2002 , 196, 1645-51		953
2277	Immune tolerance after delivery of dying cells to dendritic cells in situ. 2002, 196, 1091-7		390
2276	Toll Receptors. 2002 , 52, 14.12.1-14.12.11		5
2275	The epithelial cell cytoskeleton and intracellular trafficking. V. Polarized compartmentalization of antigen processing and Toll-like receptor signaling in intestinal epithelial cells. 2002 , 283, G833-9		39
2274	Immunology. 2002 , 18, 688-90		1
2273	Role of heat shock proteins in atherosclerosis. 2002 , 22, 1547-59		259
2272	DNA vaccines as a tool for analysing the protective immune response against rhabdoviruses in rainbow trout. 2002 , 12, 439-53		90
2271	Expression of functional Toll-like receptor 2 on human epidermal keratinocytes. 2002 , 30, 185-94		122
2270	SOCS-1 participates in negative regulation of LPS responses. 2002 , 17, 677-87		533

Host/pathogen interactions at mucosal surfaces: immune consequences. 2002 , 153, 455-9	6
2268 Fungi, dendritic cells and receptors: a host perspective of fungal virulence. 2002 , 10, 508-14	112
Origin and filiation of human plasmacytoid dendritic cells. 2002 , 63, 1081-93	42
2266 Genetic factors affecting susceptibility of dairy cows to udder pathogens. 2002 , 88, 103-10	30
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
2264 Expression of Toll-Like Receptors in Human Atherosclerotic Lesions. 2002 , 105, 1158-1161	684
Tissue and stage-specific expression of the Tolls in Drosophila embryos. 2002 , 2, 311-7	71
2262 Innate immunity: the worm fights back. 2002 , 12, R731-2	12
2261 A universal role for MyD88 in TLR/IL-1R-mediated signaling. 2002 , 27, 474-82	320
Clinical implications of antigen transfer mechanisms from malignant to dendritic cells. exploiting cross-priming. 2002 , 30, 1355-64	32
Modulation of lipopolysaccharide-induced NF-IL6 activation by protein kinase C-alpha in a mouse macrophage cell line. 2002 , 32, 2897-904	8
2258 CpG-DNA aided cross-presentation of soluble antigens by dendritic cells. 2002 , 32, 2356-64	146
Differential recognition of structural details of bacterial lipopeptides by toll-like receptors. 2002 , 32, 3337-47	60
2256 Control of adaptive immune responses by Toll-like receptors. 2002 , 14, 380-3	287
2255 Interferon-producing cells: on the front line in immune responses against pathogens. 2002 , 14, 373-9	203
The role of dendritic cells during Salmonella infection. 2002 , 14, 437-43	38
2253 Introduction: innate recognition of bacteria and protozoan parasites. 2002 , 4, 883-6	27
2252 The future of vaccination as a treatment strategy in dermatological diseases. 2002 , 27, 608-13	1

2251 Die Zukunft von Impfungen als Therapiestrategie bei dermatologischen Erkrankungen. **2002**, 77, 685-690

2250	Genetic regulation of host responses to Salmonella infection in mice. 2002 , 3, 381-93	71
2249	Protective role of phospholipid oxidation products in endotoxin-induced tissue damage. 2002 , 419, 77-81	327
2248	The adaptor molecule TIRAP provides signalling specificity for Toll-like receptors. 2002 , 420, 329-33	684
2247	Essential role for TIRAP in activation of the signalling cascade shared by TLR2 and TLR4. 2002 , 420, 324-9	809
2246	Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. 2002 , 420, 182-6	550
2245	Human TLR7 or TLR8 independently confer responsiveness to the antiviral compound R-848. 2002 , 3, 499	723
2244	To kill or be killed: viral evasion of apoptosis. 2002 , 3, 1013-8	339
2243	Innate and acquired immunity in atherogenesis. 2002 , 8, 1218-26	553
2242	Hyporesponsiveness to vaccination with Borrelia burgdorferi OspA in humans and in TLR1- and TLR2-deficient mice. 2002 , 8, 878-84	356
2241	Toll-like receptors as potential therapeutic targets for multiple diseases. 2002 , 1, 797-807	168
2240	MIF keeps macrophages on guard. <i>Nature Reviews Immunology</i> , 2002 , 2, 70 36.5	2
2239	Untangling the TLRs. <i>Nature Reviews Immunology</i> , 2002 , 2, 904-904 36.5	
2238	Bacterial anti-apoptotic activities. 2002 , 211, 1-6	31
2237	Decoding the patterns of self and nonself by the innate immune system. 2002 , 296, 298-300	1635
2236	Seeing strangers or announcing "danger": galectin-3 in two models of innate immunity. 2002 , 19, 583-91	117
2235	Mouse mammary tumor virus and the immune system. 2003 , 27, 469-80	21
2234	Evolution of complement as an effector system in innate and adaptive immunity. 2003 , 27, 549-64	49

(2003-2003)

2233	Activation and suppression of the proinflammatory immune response by Vibrio cholerae toxins. 2003 , 5, 1241-7	35
2232	Dendritic cell regulation of immune responses: a new role for interleukin 2 at the intersection of innate and adaptive immunity. 2003 , 22, 2546-51	81
2231	Toll pathway-dependent blockade of CD4+CD25+ T cell-mediated suppression by dendritic cells. 2003 , 299, 1033-6	1763
2230	Toll-like receptors: balancing host resistance with immune tolerance. 2003 , 15, 677-82	113
2229	Dendritic cells and immunotherapy for cancer. 2003 , 77, 439-43	17
2228	Recognition of bacterial peptidoglycan by the innate immune system. 2003 , 60, 1793-804	147
2227	The art of war: Innate and adaptive immune responses. 2003 , 60, 2604-21	93
2226	Hsp90 binds CpG oligonucleotides directly: implications for hsp90 as a missing link in CpG signaling and recognition. 2003 , 60, 422-9	37
2225	Prediction of the prototype of the human Toll-like receptor gene family from the pufferfish, Fugurubripes, genome. 2003 , 54, 791-800	260
2224	Antimicrobial peptides in innate immunity of the human intestine. 2003 , 38, 717-26	43
2223	The STIR-domain superfamily in signal transduction, development and immunity. 2003, 28, 226-9	191
2222	Langerhans cells beta 2-adrenoceptors: role in migration, cytokine production, Th priming and contact hypersensitivity. 2003 , 144, 91-9	87
2221	Molecular mechanisms of macrophage activation and deactivation by lipopolysaccharide: roles of the receptor complex. 2003 , 100, 171-94	405
2220	Skin immune responses to peptide and protein antigen are TLR4 independent. 2003 , 226, 116-23	4
2219	New approaches in vaccine development. 2003 , 26, 329-41	27
2218	What it takes to become an effector T cell: the process, the cells involved, and the mechanisms. 2003 , 195, 392-401	77
2217	Activation of src-family tyrosine kinases by LPS regulates cytokine production in dendritic cells by controlling AP-1 formation. 2003 , 33, 2832-41	51
2216	Treponemal glycoconjugate inhibits Toll-like receptor ligand-induced cell activation by blocking LPS-binding protein and CD14 functions. 2003 , 33, 3196-204	27

2215	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
2214	Essential role for TLR4 and MyD88 in the development of chronic intestinal nematode infection. 2003 , 33, 2974-9	71
2213	Production of the soluble pattern recognition receptor PTX3 by myeloid, but not plasmacytoid, dendritic cells. 2003 , 33, 2886-93	151
2212	Disposal of dying cells: a balancing act between infection and autoimmunity. 2003 , 48, 6-11	31
2211	Viruses and Toll-like receptors. 2003 , 5, 961-8	50
2210	Dendritic cells in peripheral tolerance and immunity. 2003 , 111, 766-75	38
2209	A bioinformatic approach to the identification of bacterial proteins interacting with Toll-interleukin 1 receptor-resistance (TIR) homology domains. 2003 , 37, 13-21	5
2208	Osteoclast differentiation by human osteoblastic cell line SaOS-2 primed with bacterial lipid A. 2003 , 38, 71-9	11
2207	Toll-like receptors and innate antiviral responses. 2003 , 15, 402-7	65
2206	Recognition of microbial infection by Toll-like receptors. 2003 , 15, 396-401	466
2206	Recognition of microbial infection by Toll-like receptors. 2003 , 15, 396-401 Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003 , 33, 665-76	466 84
2205	Expression profiling of the host response to bacterial infection: the transition from basal to	
2205	Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003 , 33, 665-76	84
2205 2204 2203	Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003 , 33, 665-76 Cell activation by monosaccharide lipid A analogues utilizing Toll-like receptor 4. 2003 , 110, 66-72 Toll-like receptor 2 (TLR2) mediates astrocyte activation in response to the Gram-positive	84
2205 2204 2203 2202	Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003, 33, 665-76 Cell activation by monosaccharide lipid A analogues utilizing Toll-like receptor 4. 2003, 110, 66-72 Toll-like receptor 2 (TLR2) mediates astrocyte activation in response to the Gram-positive bacterium Staphylococcus aureus. 2004, 88, 746-58	84 48 123
2205 2204 2203 2202 2201	Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003, 33, 665-76 Cell activation by monosaccharide lipid A analogues utilizing Toll-like receptor 4. 2003, 110, 66-72 Toll-like receptor 2 (TLR2) mediates astrocyte activation in response to the Gram-positive bacterium Staphylococcus aureus. 2004, 88, 746-58 Toll receptors and pathogen resistance. 2003, 5, 143-53	84 48 123 233
2205 2204 2203 2202 2201	Expression profiling of the host response to bacterial infection: the transition from basal to induced defence responses in RPM1-mediated resistance. 2003, 33, 665-76 Cell activation by monosaccharide lipid A analogues utilizing Toll-like receptor 4. 2003, 110, 66-72 Toll-like receptor 2 (TLR2) mediates astrocyte activation in response to the Gram-positive bacterium Staphylococcus aureus. 2004, 88, 746-58 Toll receptors and pathogen resistance. 2003, 5, 143-53 Genetic control of susceptibility to bacterial infections in mouse models. 2003, 5, 299-313	84 48 123 233 42

(2003-2003)

2197	Normal development of the gut-associated lymphoid tissue except Peyer's patch in MyD88-deficient mice. 2003 , 58, 620-7		19	
2196	Polarisation of a T-helper cell immune response by activation of dendritic cells with CpG-containing oligonucleotides: a potential therapeutic regime for bladder cancer immunotherapy. 2003 , 89, 2312-9		25	
2195	Toll-like receptors and their role in experimental models of microbial infection. 2003, 4, 87-94		215	
2194	Linking Toll-like receptors to IFN-alpha/beta expression. 2003 , 4, 432-3		51	
2193	TICAM-1, an adaptor molecule that participates in Toll-like receptor 3-mediated interferon-beta induction. 2003 , 4, 161-7		981	
2192	Toll-like receptor-4 (TLR4) signaling augments chemokine-induced neutrophil migration by modulating cell surface expression of chemokine receptors. 2003 , 9, 315-21		206	
2191	Mice, microbes and models of infection. 2003 , 4, 195-205		69	
2190	Overcoming TReg-cell blockade. <i>Nature Reviews Immunology</i> , 2003 , 3, 89-89	36.5	1	
2189	To respond or not to respond: T cells in allergic asthma. <i>Nature Reviews Immunology</i> , 2003 , 3, 405-12	36.5	281	
2188	NODs: intracellular proteins involved in inflammation and apoptosis. <i>Nature Reviews Immunology</i> , 2003 , 3, 371-82	36.5	824	
2187	TREMs in the immune system and beyond. <i>Nature Reviews Immunology</i> , 2003 , 3, 445-53	36.5	489	
2186	NALPs: a novel protein family involved in inflammation. 2003 , 4, 95-104		597	
2185	The role of relB in regulating the adaptive immune response. 2003, 987, 249-57		51	
2184	A genome-wide analysis of the acute-phase response and its regulation by Stat3beta. 2003 , 987, 280-4		19	
2183	Antigen presentation and processing in the intestinal mucosa and lymphocyte homing. 2003 , 90, 28-33		75	
2182	Intestinal myofibroblasts in innate immune responses of the intestine. 2003 , 124, 1866-78		199	
2181	Innate immune activation as a broad-spectrum biodefense strategy: prospects and research challenges. 2003 , 112, 686-94		53	
2180	TLR4 gene variants modify endotoxin effects on asthma. 2003 , 112, 323-30		145	

2179	Immunology of term and preterm labor. 2003 , 1, 122	152
2178	Infections in patients with inherited defects in phagocytic function. 2003 , 16, 597-621	116
2177	Lessons from Nod2 studies: towards a link between Crohn's disease and bacterial sensing. 2003 , 24, 652-8	131
2176	Heterogeneity of macrophage activation in anti-Thy-1.1 nephritis. 2003 , 163, 2033-41	27
2175	Widespread production of novel soluble protein isoforms by alternative splicing removal of transmembrane anchoring domains. 2003 , 555, 572-8	52
2174	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
2173	Recombinant congenic strains of mice: a new tool for the genetic dissection of efficacy and toxicity of adjuvants. 2003 , 21, 832-5	1
2172	Transferrin and the innate immune response of fish: identification of a novel mechanism of macrophage activation. 2003 , 27, 539-54	138
2171	A toll-like receptor (TLR) gene that is up-regulated in activated goldfish macrophages. 2003, 27, 685-98	99
2170	Synthetic mycoplasma-derived lipopeptide MALP-2 induces maturation and function of dendritic cells. 2003 , 207, 223-33	55
2169	Endothelium activation in the anti-phospholipid syndrome. 2003 , 57, 282-6	16
2168	Functional diversity and regulation of different interleukin-1 receptor-associated kinase (IRAK) family members. 2003 , 11, 293-302	465
2167	Crosstalk between LXR and toll-like receptor signaling mediates bacterial and viral antagonism of cholesterol metabolism. 2003 , 12, 805-16	391
2166	The biology of IL-12: coordinating innate and adaptive immune responses. 2003 , 14, 361-8	411
2165	PI3K and negative regulation of TLR signaling. 2003, 24, 358-63	508
2164	Nod1 detects a unique muropeptide from gram-negative bacterial peptidoglycan. 2003, 300, 1584-7	1229
2163	Enhancement of antigen-specific immunity via the TLR4 ligands MPL adjuvant and Ribi.529. 2003 , 2, 219-29	198
2162	Polymeric nanoparticles for targeted delivery of therapeutic vaccines to dendritic cells.	

2161	Proinflammatory activity of cell-wall constituents from gram-positive bacteria. 2003, 35, 632-41	79
2160	Characterization of monoclonal antibody HTA125 with specificity for human TLR4. 2003 , 22, 357-65	18
2159	Acylated cholesteryl galactoside as a novel immunogenic motif in Borrelia burgdorferi sensu stricto. 2003 , 278, 33645-53	68
2158	Respiratory syncytial virus up-regulates TLR4 and sensitizes airway epithelial cells to endotoxin. 2003 , 278, 53035-44	204
2157	Intracellular recognition of lipopolysaccharide by toll-like receptor 4 in intestinal epithelial cells. 2003 , 198, 1225-35	268
2156	Receptors involved in the oxidized 1-palmitoyl-2-arachidonoyl-sn-glycero-3-phosphorylcholine-mediated synthesis of interleukin-8. A role for Toll-like receptor 4 and a glycosylphosphatidylinositol-anchored protein. 2003 , 278, 29661-6	140
2155	Soluble forms of Toll-like receptor (TLR)2 capable of modulating TLR2 signaling are present in human plasma and breast milk. 2003 , 171, 6680-9	267
2154	Severity of E. coli mastitis is mainly determined by cow factors. 2003 , 34, 521-64	388
2153	Increased susceptibility to LPS-induced endotoxin shock in secretory leukoprotease inhibitor (SLPI)-deficient mice. 2003 , 197, 669-74	110
2152	Signal 3 determines tolerance versus full activation of naive CD8 T cells: dissociating proliferation and development of effector function. 2003 , 197, 1141-51	392
2151	Recombinant human heat shock protein 60 does not induce the release of tumor necrosis factor alpha from murine macrophages. 2003 , 278, 22523-9	174
2150	Dendritic cell responses to early murine cytomegalovirus infection: subset functional specialization and differential regulation by interferon alpha/beta. 2003 , 197, 885-98	301
2149	Herpes simplex virus type 1 DNA is immunostimulatory in vitro and in vivo. 2003 , 77, 11158-69	63
2148	CARD6 is a modulator of NF-kappa B activation by Nod1- and Cardiak-mediated pathways. 2003 , 278, 31941-9	53
2147	Endotoxin contamination in recombinant human heat shock protein 70 (Hsp70) preparation is responsible for the induction of tumor necrosis factor alpha release by murine macrophages. 2003 , 278, 174-9	320
2146	Malaria blood stage suppression of liver stage immunity by dendritic cells. 2003 , 197, 143-51	193
2145	Effect of probiotic bacteria on induction and maintenance of oral tolerance to beta-lactoglobulin in gnotobiotic mice. 2003 , 10, 787-92	55
2144	Flexibility of mouse classical and plasmacytoid-derived dendritic cells in directing T helper type 1 and 2 cell development: dependency on antigen dose and differential toll-like receptor ligation. 2003 , 197, 101-9	476

2143	Role of Toll-like receptor 4 in macrophage activation and tolerance during Salmonella enterica serovar Typhimurium infection. 2003 , 71, 4873-82	39
2142	Toll-like receptor 4-defective C3H/HeJ mice are not more susceptible than other C3H substrains to infection with Mycobacterium tuberculosis. 2003 , 71, 4112-8	64
2141	Fascination with epithelia: architecture, proteins, and functions. 2003 , 82, 866-9	16
2140	Identification of a novel CpG DNA class and motif that optimally stimulate B cell and plasmacytoid dendritic cell functions. 2003 , 73, 781-92	211
2139	Calf intestinal alkaline phosphatase, a novel therapeutic drug for lipopolysaccharide (LPS)-mediated diseases, attenuates LPS toxicity in mice and piglets. 2003 , 307, 737-44	125
2138	Role of Toll-like receptors in pathogen recognition. 2003 , 16, 637-46	413
2137	Simultaneous blocking of human Toll-like receptors 2 and 4 suppresses myeloid dendritic cell activation induced by Mycobacterium bovis bacillus Calmette-Gufin peptidoglycan. 2003 , 71, 4238-49	130
2136	Minimally modified LDL binds to CD14, induces macrophage spreading via TLR4/MD-2, and inhibits phagocytosis of apoptotic cells. 2003 , 278, 1561-8	299
2135	Differential induction of interleukin-10 and interleukin-12 in dendritic cells by microbial toll-like receptor activators and skewing of T-cell cytokine profiles. 2003 , 71, 3337-42	108
2134	Activation of natural killer T cells by alpha-galactosylceramide rapidly induces the full maturation of dendritic cells in vivo and thereby acts as an adjuvant for combined CD4 and CD8 T cell immunity to a coadministered protein. 2003 , 198, 267-79	601
2133	The role of dendritic cell C-type lectin receptors in HIV pathogenesis. 2003, 74, 710-8	99
2132	Identification of a sequence in human toll-like receptor 5 required for the binding of Gram-negative flagellin. 2003 , 278, 23624-9	118
2131	Collaborative induction of inflammatory responses by dectin-1 and Toll-like receptor 2. 2003 , 197, 1107-17	1285
2130	Injury primes the innate immune system for enhanced Toll-like receptor reactivity. 2003, 171, 1473-83	212
2129	Interactions between Brucella melitensis and human phagocytes: bacterial surface O-Polysaccharide inhibits phagocytosis, bacterial killing, and subsequent host cell apoptosis. 2003 , 71, 2110-9	92
2128	Toll-like receptor 9-mediated recognition of Herpes simplex virus-2 by plasmacytoid dendritic cells. 2003 , 198, 513-20	968
2127	The role of disulfide bonds in the assembly and function of MD-2. 2003 , 100, 3919-24	64
2126	Cell surface expression of an endoplasmic reticulum resident heat shock protein gp96 triggers MyD88-dependent systemic autoimmune diseases. 2003 , 100, 15824-9	159

2125	TRANCE-RANK costimulation is required for IL-12 production and the initiation of a Th1-type response to Leishmania major infection in CD40L-deficient mice. 2003 , 171, 5437-41	24
2124	Strategic compartmentalization of Toll-like receptor 4 in the mouse gut. 2003 , 170, 3977-85	303
2123	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
2122	Innate and acquired immunity intersect in a global view of the acute-phase response. 2003 , 100, 1157-62	82
2121	Toll-like receptor 2 pathway drives streptococcal cell wall-induced joint inflammation: critical role of myeloid differentiation factor 88. 2003 , 171, 6145-53	180
2120	Inhibition of a p38/stress-activated protein kinase-2-dependent phosphatase restores function of IL-1 receptor-associate kinase-1 and reverses Toll-like receptor 2- and 4-dependent tolerance of macrophages. 2003 , 171, 1456-65	53
2119	Proliferation and survival of activated B cells requires sustained antigen receptor engagement and phosphoinositide 3-kinase activation. 2003 , 170, 5851-60	72
2118	Toll-like receptor 2 participates in mediation of immune response in experimental pneumococcal meningitis. 2003 , 170, 438-44	188
2117	Early IL-2 production by mouse dendritic cells is the result of microbial-induced priming. 2003 , 170, 5075-81	142
2116	Maturation of dendritic cell 2 phenotype by a helminth glycan uses a Toll-like receptor 4-dependent mechanism. 2003 , 171, 5837-41	242
2115	Treponemal phospholipids inhibit innate immune responses induced by pathogen-associated molecular patterns. 2003 , 278, 44205-13	38
2114	TREM-1 (triggering receptor expressed on myeloid cells): a new player in acute inflammatory responses. 2003 , 187 Suppl 2, S397-401	207
2113	Tumor cell-induced deactivation of human monocytes. 2003 , 74, 1094-101	59
2112	Phagocytosis and the inflammatory response. 2003 , 187 Suppl 2, S340-5	193
2111	Regulation of dendritic cell function through toll-like receptors. 2003 , 3, 759-71	104
2110	TNF-receptor-associated factors as targets for drug development. 2003 , 7, 411-25	32
2109	T cell-intrinsic requirement for NF-kappa B induction in postdifferentiation IFN-gamma production and clonal expansion in a Th1 response. 2003 , 171, 1816-24	83
2108	Infections, heat shock proteins, and atherosclerosis. 2003 , 18, 245-52	34

2107	Update on vascular disease in systemic lupus erythematosus. 2003 , 15, 519-27	59
2106	Metropolitan endotoxin exposure, allergy and asthma. 2003 , 3, 331-5	6
2105	Toll-like receptors and T-helper-1/T-helper-2 responses. 2003 , 16, 199-204	155
2104	Toll receptors modulate allergic responses: interaction with dendritic cells, T cells and mast cells. 2003 , 3, 487-94	23
2103	Role of flagellin in the pathogenesis of shock and acute respiratory distress syndrome: therapeutic opportunities. 2003 , 31, S39-45	16
2102	Metalloendopeptidase inhibition regulates phosphorylation of p38-mitogen-activated protein kinase and nitric oxide synthase in heart after endotoxemia. 2003 , 20, 375-81	19
2101	Persistent infection with Helicobacter pylori and the development of gastric cancer. 2003, 90, 63-89	39
2100	Handbook of Fermented Functional Foods. 2003,	50
2099	Natto 🛘 A Food Made by Fermenting Cooked Soybeans with Bacillus subtilis (natto). 2003 , 227-250	10
2098	The role of the endothelium in severe sepsis and multiple organ dysfunction syndrome. 2003 , 101, 3765-77	873
2098	The role of the endothelium in severe sepsis and multiple organ dysfunction syndrome. 2003 , 101, 3765-77 Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003 , 102, 763-71	8 ₇₃
	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003 , 102, 763-71	
2097	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003, 102, 763-71 The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and	67
2097 2096	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003, 102, 763-71 The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. 2003, 102, 2940-7 Functional comparison of DCs generated in vivo with Flt3 ligand or in vitro from blood monocytes:	67 89
2097 2096 2095	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003, 102, 763-71 The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. 2003, 102, 2940-7 Functional comparison of DCs generated in vivo with Flt3 ligand or in vitro from blood monocytes: differential regulation of function by specific classes of physiologic stimuli. 2003, 102, 1753-63 A caspaselike activity is triggered by LPS and is required for survival of human dendritic cells. 2003,	67 89 94
2097 2096 2095 2094 2093	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003, 102, 763-71 The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. 2003, 102, 2940-7 Functional comparison of DCs generated in vivo with Flt3 ligand or in vitro from blood monocytes: differential regulation of function by specific classes of physiologic stimuli. 2003, 102, 1753-63 A caspaselike activity is triggered by LPS and is required for survival of human dendritic cells. 2003, 102, 2910-5 Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated proliferation of	67 89 94 24
2097 2096 2095 2094 2093	Early changes in gene expression profiles of hepatic GVHD uncovered by oligonucleotide microarrays. 2003, 102, 763-71 The scavenger receptor MARCO mediates cytoskeleton rearrangements in dendritic cells and microglia. 2003, 102, 2940-7 Functional comparison of DCs generated in vivo with Flt3 ligand or in vitro from blood monocytes: differential regulation of function by specific classes of physiologic stimuli. 2003, 102, 1753-63 A caspaselike activity is triggered by LPS and is required for survival of human dendritic cells. 2003, 102, 2910-5 Cyclic ADP-ribose is a second messenger in the lipopolysaccharide-stimulated proliferation of human peripheral blood mononuclear cells. 2003, 375, 395-403	67 89 94 24 51

(2004-2003)

2089	aeruginosa flagellin. 2003 , 44, 4247-54	157
2088	Genetic Polymorphism and Tumor Immunotherapy. 2003 , 1, 37-57	3
2087	Selective transport of cytokine-induced neutrophil chemoattractant from the lung to the blood facilitates pulmonary neutrophil recruitment. 2004 , 286, L465-72	62
2086	The Role of Bacteria in the Development of Intestinal Protective Function. 2004 , 53, 153-177	2
2085	Osteoclasts, mononuclear phagocytes, and c-Fos: new insight into osteoimmunology. 2004 , 53, 78-84	30
2084	[Toll-like receptors that sense viral infection]. 2004 , 54, 1-8	6
2083	Interpreting the host-pathogen dialogue through microarrays. 2004 , 54, 291-331	6
2082	New and emerging vaccination strategies for prevention and treatment of dermatological diseases. 2004 , 3, 421-31	3
2081	Immunostimulatory oligonucleotides attenuate airways remodeling in allergic monkeys. 2004 , 170, 1153-7	59
2080	Neutrophils in innate immunity. 2004 , 25, 33-41	20
2079	Engineered killer mimotopes: new synthetic peptides for antimicrobial therapy. 2004 , 11, 1793-800	23
2078	Initiation of lung immunity: the afferent limb and the role of dendritic cells. 2004, 25, 11-20	5
2077	Adoptive Immunotherapy: Methods and Protocols. 2004,	
2076	Contribution of Burkholderia cenocepacia flagella to infectivity and inflammation. 2004 , 72, 5126-34	72
2075	Mast cells and innate cytokines are associated with susceptibility to autoimmune heart disease following coxsackievirus B3 infection. 2004 , 37, 131-45	79
2074	Toll-like receptor 9 signaling activates NF-kappaB through IFN regulatory factor-8/IFN consensus sequence binding protein in dendritic cells. 2004 , 172, 6820-7	128
2073	Role of Toll-like receptor 4 in gram-positive and gram-negative pneumonia in mice. 2004 , 72, 788-94	203
2072	Bacterial endotoxin modifies heat shock factor-1 activity in RAW 264.7 cells: implications for TNF-H regulation during exposure to febrile range temperatures. 2004 , 10, 175-184	24

2071	Reactive oxygen and nitrogen species differentially regulate Toll-like receptor 4-mediated activation of NF-kappa B and interleukin-8 expression. 2004 , 72, 2123-30	155
2070	Flow-dependent regulation of endothelial Toll-like receptor 2 expression through inhibition of SP1 activity. 2004 , 95, 684-91	91
2069	Nod1 is an essential signal transducer in intestinal epithelial cells infected with bacteria that avoid recognition by toll-like receptors. 2004 , 72, 1487-95	203
2068	Lipopolysaccharide activation of the TPL-2/MEK/extracellular signal-regulated kinase mitogen-activated protein kinase cascade is regulated by IkappaB kinase-induced proteolysis of NF-kappaB1 p105. 2004 , 24, 9658-67	164
2067	Activation of airway epithelial cells by toll-like receptor agonists. 2004 , 31, 358-64	392
2066	Induction of antiviral immunity requires Toll-like receptor signaling in both stromal and dendritic cell compartments. 2004 , 101, 16274-9	101
2065	Toll gates and traffic arteries: from endothelial TLR2 to atherosclerosis. 2004 , 95, 657-9	15
2064	Th2 cells: orchestrating barrier immunity. 2004 , 83, 163-89	39
2063	p38 activation through Toll-like receptors modulates IFN-gamma-induced expression of the Tap-1 gene only in macrophages. 2004 , 75, 560-8	7
2062	Functional modulation of enterocytes by gram-positive and gram-negative microorganisms. 2004 , 286, G613-26	292
2061	Acute renal failure in endotoxemia is dependent on caspase activation. 2004, 15, 3093-102	112
2060	The domains of apoptosis: a genomics perspective. 2004 , 2004, re9	140
2059	Toll-like receptor 2 plays a role in the early inflammatory response to murine pneumococcal pneumonia but does not contribute to antibacterial defense. 2004 , 172, 3132-8	229
2058	Role of EGFR transactivation in preventing apoptosis in Pseudomonas aeruginosa-infected human corneal epithelial cells. 2004 , 45, 2569-76	45
2057	Haemophilus influenzae porin induces Toll-like receptor 2-mediated cytokine production in human monocytes and mouse macrophages. 2004 , 72, 1204-9	65
2056	Regulated recruitment of MHC class II and costimulatory molecules to lipid rafts in dendritic cells. 2004 , 173, 6119-24	37
2055	Physiology of the endothelium. 2004 , 93, 105-13	377
2054	Cryptic O2generating NADPH oxidase in dendritic cells. 2004 , 117, 2215-26	43

(2004-2004)

2053	Mitogen activated protein kinases as targets for development of novel anti-inflammatory drugs. 2004 , 63 Suppl 2, ii62-ii64	38
2052	The major surface protein of Wolbachia endosymbionts in filarial nematodes elicits immune responses through TLR2 and TLR4. 2004 , 173, 437-45	169
2051	Arthritogenic properties of double-stranded (viral) RNA. 2004 , 172, 5656-63	79
2050	Toll-like receptor 4 dependence of innate and adaptive immunity to Salmonella: importance of the Kupffer cell network. 2004 , 172, 6202-8	145
2049	Increased expression of toll-like receptor 2 on monocytes in HIV infection: possible roles in inflammation and viral replication. 2004 , 39, 264-9	65
2048	Direct evidence that toll-like receptor 9 (TLR9) functionally binds plasmid DNA by specific cytosine-phosphate-guanine motif recognition. 2004 , 279, 15124-9	83
2047	Biology of Toll receptors: lessons from insects and mammals. 2004 , 75, 18-26	115
2046	Adjuvant-mediated tumor regression and tumor-specific cytotoxic response are impaired in MyD88-deficient mice. 2004 , 64, 757-64	100
2045	The innate immune response in the central nervous system and its role in glioma immune surveillance. 2004 , 27, 487-91	16
2044	Toll-like receptors: emerging targets of immunomodulation. 2004 , 14, 85-100	7
2043	Major human cytomegalovirus structural protein pp65 (ppUL83) prevents interferon response factor 3 activation in the interferon response. 2004 , 78, 10995-1006	157
2042	Panax ginseng induces production of proinflammatory cytokines via toll-like receptor. 2004 , 24, 93-100	44
2041	Intestinal inflammation in mice deficient in Tir8, an inhibitory member of the IL-1 receptor family. 2004 , 101, 3522-6	220
2040	Sensing bacterial flagellin by membrane and soluble orthologs of Toll-like receptor 5 in rainbow trout (Onchorhynchus mikiss). 2004 , 279, 48588-97	157
2039	T-cell epitope peptide vaccines. 2004 , 3, 563-75	17
2038	The transcriptional activation program of human neutrophils in skin lesions supports their important role in wound healing. 2004 , 172, 7684-93	164
2037	Pneumocystis activates human alveolar macrophage NF-kappaB signaling through mannose receptors. 2004 , 72, 3147-60	78
2036	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

2035	Tolerance induced by the lipopeptide Pam3Cys is due to ablation of IL-1R-associated kinase-1. 2004 , 173, 2736-45	62
2034	Microtubule-associated serine/threonine kinase-205 kDa and Fc gamma receptor control IL-12 p40 synthesis and NF-kappa B activation. 2004 , 172, 2559-68	11
2033	Cytoplasmic entry of Listeria monocytogenes enhances dendritic cell maturation and T cell differentiation and function. 2004 , 173, 2641-51	53
2032	Role of Toll-like receptor 4 in endotoxin-induced acute renal failure. 2004 , 172, 2629-35	195
2031	Toll-like receptors are temporally involved in host defense. 2004 , 172, 4463-9	176
2030	Human monocytes infected with Yersinia pestis express cell surface TLR9 and differentiate into dendritic cells. 2004 , 173, 7426-34	52
2029	TLR2 recognizes a bacterial lipopeptide through direct binding. 2004 , 173, 7401-5	50
2028	Mycobacterium bovis BCG cell wall-specific differentially expressed genes identified by differential display and cDNA subtraction in human macrophages. 2004 , 72, 937-48	64
2027	Cyclic AMP modulates the functional plasticity of immature dendritic cells by inhibiting Src-like kinases through protein kinase A-mediated signaling. 2004 , 279, 32507-14	41
2026	Lipopolysaccharide binding protein binds to triacylated and diacylated lipopeptides and mediates innate immune responses. 2004 , 173, 2683-91	132
2025	Gangliosides act as co-receptors for Salmonella enteritidis FliC and promote FliC induction of human beta-defensin-2 expression in Caco-2 cells. 2004 , 279, 12213-9	42
2024	A specific gene expression program triggered by Gram-positive bacteria in the cytosol. 2004 , 101, 11386-91	164
2023	A nuclear receptor corepressor transcriptional checkpoint controlling activator protein 1-dependent gene networks required for macrophage activation. 2004 , 101, 14461-6	149
2022	Imiquimod treatment induces expression of opioid growth factor receptor: a novel tumor antigen induced by interferon-alpha?. 2004 , 10, 4959-70	31
2021	Efficient replication by herpes simplex virus type 1 involves activation of the IkappaB kinase-IkappaB-p65 pathway. 2004 , 78, 13582-90	105
2020	Activity of inducible and neuronal nitric oxide synthases in colonic mucosa predicts progression of ulcerative colitis. 2004 , 99, 1756-64	22
2019	Contribution of Toll-like receptor 9 signaling to the acute inflammatory response to nonviral vectors. 2004 , 9, 241-8	75
2018	Toll-like receptor 4 signaling by intestinal microbes influences susceptibility to food allergy. 2004 , 172, 6978-87	295

2017	Autoimmune and inflammatory mechanisms in atherosclerosis. 2004 , 22, 361-403	344
2016	Cutting edge: activation of Toll-like receptor 2 induces a Th2 immune response and promotes experimental asthma. 2004 , 172, 2739-43	382
2015	Toll-like receptor 2 mediates Staphylococcus aureus-induced myocardial dysfunction and cytokine production in the heart. 2004 , 110, 3693-8	117
2014	Toll-like receptor 4-dependent activation of dendritic cells by a retrovirus. 2004 , 78, 576-84	106
2013	Lipoptosis: tumor-specific cell death by antibody-induced intracellular lipid accumulation. 2004 , 64, 3900-6	59
2012	Development and function of T helper 1 cells. 2004 , 83, 133-62	53
2011	Induction of nuclear factor- kappa B and c-Jun/activator protein-1 via toll-like receptor 2 in macrophages by antimycotic-treated Candida albicans. 2004 , 190, 1318-26	38
2010	Bacterial endotoxin modifies heat shock factor-1 activity in RAW 264.7 cells: implications for TNF-alpha regulation during exposure to febrile range temperatures. 2004 , 10, 175-84	22
2009	Adipocyte differentiation induces dynamic changes in NF-kappaB expression and activity. 2004 , 287, E1178-88	119
2008	Inhibition of LPS- and CpG DNA-induced TNF-alpha response by oxidized phospholipids. 2004 , 286, L808-16	60
2007	Rat plasmacytoid dendritic cells are an abundant subset of MHC class II+ CD4+CD11b-OX62- and type I IFN-producing cells that exhibit selective expression of Toll-like receptors 7 and 9 and strong responsiveness to CpG. 2004 , 172, 7485-94	87
2006	Complete Freunds adjuvant-induced peripheral inflammation evokes glial activation and proinflammatory cytokine expression in the CNS. 2004 , 20, 467-73	444
2005	Disabling surveillance: bacterial type III secretion system effectors that suppress innate immunity. 2004 , 6, 1027-40	141
2004	Lymphoid organ dendritic cells: beyond the Langerhans cells paradigm. 2004 , 82, 91-8	70
2003	Expression and subcellular distribution of toll-like receptors TLR4, TLR5 and TLR9 on the gastric epithelium in Helicobacter pylori infection. 2004 , 136, 521-6	199
2002	Toll-like receptor (TLR) expression and TLR-mediated cytokine/chemokine production by human uterine epithelial cells. 2004 , 112, 428-36	258
2001	The potential for Toll-like receptors to collaborate with other innate immune receptors. 2004 , 112, 521-30	116

1999	Epithelial responses in airway inflammation and immunity. 2004 , 4, 176-182		4
1998	Signal transduction and functional changes in neutrophils with aging. 2004 , 3, 217-26		245
1997	Multiple facets of macrophages in renal injury. 2004 , 66, 542-57		110
1996	Limited role of the Toll-like receptor-2 in resistance to Mycobacterium avium. 2004 , 111, 179-85		28
1995	The phylogenetic origins of the antigen-binding receptors and somatic diversification mechanisms. 2004 , 200, 12-22		96
1994	Signaling by IL-12 and IL-23 and the immunoregulatory roles of STAT4. 2004 , 202, 139-56		426
1993	Invertebrate immune systemsnot homogeneous, not simple, not well understood. 2004 , 198, 10-24		503
1992	Lack of interferon response in animals to naked siRNAs. 2004 , 22, 1579-82		159
1991	Differential regulation of interleukin 1 receptor and Toll-like receptor signaling by MEKK3. 2004 , 5, 98-103	3	226
1990	The extracellular matrix protein mindin is a pattern-recognition molecule for microbial pathogens. 2004 , 5, 88-97		132
1989	Fas ligation on macrophages enhances IL-1R1-Toll-like receptor 4 signaling and promotes chronic inflammation. 2004 , 5, 380-7		113
1988	Toll-like receptor control of the adaptive immune responses. 2004 , 5, 987-95		3232
1987	Immune surveillance in the skin: mechanisms and clinical consequences. <i>Nature Reviews Immunology</i> , 2004 , 4, 211-22	5.5	565
1986	Toll-like receptor signalling. <i>Nature Reviews Immunology</i> , 2004 , 4, 499-511	5.5	6402
1985	Genetic analysis of innate immunity in resistance to Candida albicans. 2004 , 5, 576-87		36
1984	Toll-like receptor 4 is expressed with enteroviral replication in myocardium from patients with dilated cardiomyopathy. 2004 , 84, 173-81		41
1983	The protein kinase PKR is required for macrophage apoptosis after activation of Toll-like receptor 4. 2004 , 428, 341-5		310
1982	Inhibition of toll-like receptor and cytokine signalinga unifying theme in ischemic tolerance. 2004 , 24, 1288-304		208

(2004-2004)

198	TH1 immune responses to fully MHC mismatched allografts are diminished in the absence MyD88, a toll-like receptor signal adaptor protein. 2004 , 4, 1429-39	of	114
198	Rapid and inexpensive real-time PCR for genotyping functional polymorphisms within the receptor -2, -4, and -9 genes. 2004 , 285, 281-91	Toll-like	52
19	g Immunopathways in giant cell arteritis and polymyalgia rheumatica. 2004 , 3, 46-53		88
197	$\cdot 8$ Impaired innate immunity predicts frailty in old age. The Leiden 85-plus study. 2004 , 39, 14	07-14	93
19	Systematic identification of immunoreceptor tyrosine-based inhibitory motifs in the huma proteome. 2004 , 16, 435-56	١	40
197	Novel approaches to vaccine delivery. 2004 , 21, 1519-30		102
19	The same IkappaBalpha mutation in two related individuals leads to completely different c syndromes. 2004 , 200, 559-68	linical	114
197	$_{4}$ The immunology of Leishmania infection and the implications for vaccine development. 20	04 , 1026, 267-72	46
197	PASSCLAIMgut health and immunity. 2004 , 43 Suppl 2, II118-II173		147
197	$_{2}$ Microbial-gut interactions in health and disease. Epithelial cell responses. 2004 , 18, 373-86		12
197	Characterization of gene structure and expression of two toll-like receptors from Japanese flounder, Paralichthys olivaceus. 2004 , 56, 38-46	2	112
197	Genetic analysis of Toll/Interleukin-1 Receptor (TIR) domain sequences from rhesus macaq Toll-like receptors (TLRs) 1-10 reveals high homology to human TLR/TIR sequences. 2004 , 5	ue 56, 667-74	28
190	Modulation of skin norepinephrine turnover by allergen sensitization: impact on contact hypersensitivity and T helper priming. 2004 , 122, 119-24		20
190	Impaired host defense to infection and Toll-like receptor 2-independent killing of Borrelia burgdorferi clinical isolates in TLR2-deficient C3H/HeJ mice. 2004 , 231, 219-25		50
190	Immune biasing by helminth glycans. 2004 , 6, 13-22		117
190	Ehrlichia chaffeensis downregulates surface Toll-like receptors 2/4, CD14 and transcription PU.1 and inhibits lipopolysaccharide activation of NF-kappa B, ERK 1/2 and p38 MAPK in homonocytes. 2004 , 6, 175-86		60
190	IL-1 acts on antigen-presenting cells to enhance the in vivo proliferation of antigen-stimula naive CD4 T cells via a CD28-dependent mechanism that does not involve increased expres CD28 ligands. 2004 , 34, 1085-90		33
190	64 Control of cross-presentation during dendritic cell maturation. 2004 , 34, 398-407		121

1963	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
1962	Heat shock protein 60 from Chlamydia pneumoniae elicits an unusual set of inflammatory responses via Toll-like receptor 2 and 4 in vivo. 2004 , 34, 2874-84	78
1961	Selective priming to Toll-like receptor 4 (TLR4), not TLR2, ligands by P. acnes involves up-regulation of MD-2 in mice. 2004 , 40, 555-64	58
1960	Innate immune recognition of microbes through Nod1 and Nod2: implications for disease. 2004 , 6, 609-16	57
1959	Toll-like receptors: linking innate and adaptive immunity. 2004 , 6, 1382-7	349
1958	Candida albicans and Saccharomyces cerevisiae induce interleukin-8 production from intestinal epithelial-like Caco-2 cells in the presence of butyric acid. 2004 , 41, 227-35	48
1957	Effect of rLcrV and rYopB from Yersinia pestis on murine peritoneal macrophages in vitro. 2004 , 93, 179-87	11
1956	Toll-like receptors and other links between innate and acquired alloimmunity. 2004, 16, 538-44	81
1955	PmrAB, a two-component regulatory system of Pseudomonas aeruginosa that modulates resistance to cationic antimicrobial peptides and addition of aminoarabinose to lipid A. 2004 , 186, 575-9	292
1954	NEUROPEPTIDES AND NEUROGENIC MECHANISMS IN ORAL AND PERIODONTAL INFLAMMATION. 2004 , 15, 82-98	95
1953	Lipopolysaccharide from Coxiella burnetii is involved in bacterial phagocytosis, filamentous actin reorganization, and inflammatory responses through Toll-like receptor 4. 2004 , 172, 3695-703	94
1952	Differential expression of Toll-like receptors 2 and 4 in tissues of the human female reproductive tract. 2004 , 72, 5799-806	179
1951	TLR2 and TLR4 stimulation differentially induce cytokine secretion in human neonatal, adult, and murine mononuclear cells. 2004 , 24, 543-52	33
1950	CpG DNA induces IgG class switch DNA recombination by activating human B cells through an innate pathway that requires TLR9 and cooperates with IL-10. 2004 , 173, 4479-91	245
1949	Diversification of Ig superfamily genes in an invertebrate. 2004 , 305, 251-4	321
1948	iNOS (NOS2) at a glance. 2004 , 117, 2865-7	191
1947	Functions of NF-kappaB1 and NF-kappaB2 in immune cell biology. 2004 , 382, 393-409	469
1946	Cutting edge: 1,25-dihydroxyvitamin D3 is a direct inducer of antimicrobial peptide gene expression. 2004 , 173, 2909-12	1163

1945	Deficient host-bacteria interactions in inflammatory bowel disease? The toll-like receptor (TLR)-4 Asp299gly polymorphism is associated with Crohn's disease and ulcerative colitis. 2004 , 53, 987-92	462
1944	Nods and ?intracellular? innate immunity. 2004 , 327, 551-551	
1943	Sepsis in adults and foals. 2004 , 20, 41-61	33
1942	Functions of Toll-like receptors: lessons from KO mice. 2004 , 327, 581-581	
1941	Mechanisms of cross hyporesponsiveness to Toll-like receptor bacterial ligands in intestinal epithelial cells. 2004 , 126, 1054-70	407
1940	Mast cells in innate immunity. 2004 , 114, 21-7	156
1939	Natural anticoagulant inhibitors: activated Protein C. 2004 , 17, 161-82	18
1938	The role of Tec family kinases in myeloid cells. 2004 , 134, 65-78	74
1937	Stimulation of allergen-loaded macrophages by TLR9-ligand potentiates IL-10-mediated suppression of allergic airway inflammation in mice. 2004 , 5, 21	17
1936	The Zebrafish Immune System. 2004 , 449-472	
1935	Association of hypo-responsive toll-like receptor 4 variants with risk of myocardial infarction. 2004 , 25, 1447-53	113
1934	Phagocytes: mechanisms of inflammation and tissue destruction. 2004 , 30, 19-39, v	48
1933	Inflammation and activated innate immunity in the pathogenesis of type 2 diabetes. 2004 , 27, 813-23	1001
1932	Investigating pathogen-specific TLR signaling of innate immune cells for biosensor applications.	
1931	Direct Toll-like receptor 2 mediated co-stimulation of T cells in the mouse system as a basis for chronic inflammatory joint disease. 2004 , 6, R433-46	68
1930	Endothelial cell activation by antiphospholipid antibodies. 2004 , 112, 169-74	76
1929	Nods and 'intracellular' innate immunity. 2004 , 327, 551-5	31
1928	Functions of toll-like receptors: lessons from KO mice. 2004 , 327, 581-9	143

1927	Recombinant transferrin induces nitric oxide response in goldfish and murine macrophages. 2004 , 17, 171-85	30
1926	NFAT and NF-kappaB factors-the distant relatives. 2004 , 36, 1166-70	63
1925	Toll-like receptor 4 mutation impairs the macrophage TNFalpha response to peptidoglycan. 2004 , 325, 91-6	6
1924	Toll-like receptors 2 and 4, and acute phase cytokine gene expression in dexamethasone and growth hormone treated dairy calves. 2004 , 98, 115-25	27
1923	Inflammatory response and the endothelium. 2004 , 114, 329-34	62
1922	Battling enteroinvasive bacteria: Nod1 comes to the rescue. 2004 , 12, 529-32	19
1921	Toll-like receptors and acquired immunity. 2004 , 16, 23-6	161
1920	Maturation of dendritic cells by bacterial immunomodulators. 2004 , 22, 2761-8	38
1919	Host cell-pathogen interface: molecular mechanisms and genetics. 2004 , 22 Suppl 1, S21-4	7
1918	The innate pulmonary granuloma: characterization and demonstration of dendritic cell recruitment and function. 2004 , 164, 1021-30	33
1917	Bacteria as DNA vaccine carriers for genetic immunization. 2004 , 294, 319-35	93
1916	CpG-DNA as immune response modifier. 2004 , 294, 345-54	25
1915	OM-197-MP-AC adjuvant properties: the in vitro maturation of normal and leukemic dendritic cells in a serum-free culture model. 2004 , 209, 67-77	3
1914	TLR9-dependent recognition of MCMV by IPC and DC generates coordinated cytokine responses that activate antiviral NK cell function. 2004 , 21, 107-19	594
1913	The two NF-kappaB activation pathways and their role in innate and adaptive immunity. 2004 , 25, 280-8	2540
1912	Activation of innate immune responses by IL-2-expressing Salmonella typhimurium is independent of Toll-like receptor 4. 2004 , 40, 671-9	9
1911	Expression analysis of the Toll-like receptor and TIR domain adaptor families of zebrafish. 2004, 40, 773-83	408
1910	In vitro activation of murine peritoneal macrophages by ultraviolet B radiation: upregulation of CD18, production of NO, proinflammatory cytokines and a signal transduction pathway. 2004 , 40, 1315-23	22

1909 Dendritic cells and complement: at the cross road of innate and adaptive immunity. 2004 , 41,	, 133-40 32
Taenia crassiceps carbohydrates stimulate IL-6 expression in nalle murine macrophages via Toronomic receptors (TLRs). 2004 , 41, 391-8	oll-like ₂₈
1907 The expanding family of MyD88-like adaptors in Toll-like receptor signal transduction. 2004 ,	41, 577-82 119
Primary immunodeficiency to pneumococcal infection due to a defect in Toll-like receptor signaling. 2004 , 144, 512-8	55
Inflammation and wound healing: the role of bacteria in the immuno-regulation of wound he 2004 , 3, 201-8	aling. 60
1904 Cytokine function of heat shock proteins. 2004 , 286, C739-44	227
1903 Exploiting Dendritic Cells for Active Immunotherapy of Cancer and Chronic Infection. 2005 , 0	001-018
Immune system paralysis by anthrax lethal toxin: the roles of innate and adaptive immunity. 3 4, 166-70	2004, 48
Pneumatocoele formation during Pneumocystis carinii pneumonia in a man with HIV-1 infect 2004 , 4, 170	ion.
Increased expression of toll-like receptor-2 and -4 on leukocytes from patients with sepsis. 2 0 22, 403-9	004 ,
Evidence for a role of toll-like receptor 4 in development of chronic allograft rejection after transplantation. 2004 , 78, 1324-31	cardiac 67
1898 Role of the innate immune system in mediating lung allograft rejection. 2004 , 9, 320-324	
Polymicrobial sepsis induces divergent effects on splenic and peritoneal dendritic cell function mice. 2004 , 22, 137-44	on in 59
Role of Toll-like receptor 4 on pancreatic and pulmonary injury in a mice model of acute pancreatitis associated with endotoxemia. 2004 , 32, 1759-63	48
Reconstitution dynamics of plasmacytoid and myeloid dendritic cell precursors after allogend myeloablative hematopoietic stem cell transplantation. 2004 , 104, 281-9	eic 49
Herpes simplex virus type 1 activates murine natural interferon-producing cells through toll-receptor 9. 2004 , 103, 1433-7	like 556
Plants as a Production and Delivery Vehicle for Orally Delivered Subunit Vaccines. 2004 ,	
Bacterial genes involved in type I secretion and sulfation are required to elicit the rice Xa21-mediated innate immune response. 2004 , 17, 593-601	105

1891	The lung in sepsis: fueling the fire. 2004 , 328, 230-7	12
1890	New adjuvants for parenteral and mucosal vaccines. 2005 , 60, 235-41	14
1889	TLR2 and MyD88 contribute to Lactobacillus casei extract-induced focal coronary arteritis in a mouse model of Kawasaki disease. 2005 , 112, 2966-73	66
1888	LPS activation of Toll-like receptor 4 signals CD11b/CD18 expression in neutrophils. 2005 , 288, L655-62	71
1887	The role of toll-like receptor 9 in the intestine. 2005 , 21, 360-2	3
1886	Dehydroepiandrosterone modulates toll-like receptor expression on splenic macrophages of mice after severe polymicrobial sepsis. 2005 , 24, 364-9	12
1885	The role of postischemic reperfusion injury and other nonantigen-dependent inflammatory pathways in transplantation. 2005 , 79, 505-14	190
1884	The Induction of Dendritic Cell Activation and Maturation by Toll-Like Receptor Signaling. 2005, 147-161	
1883	Extracellular nucleotide signaling by P2 receptors inhibits IL-12 and enhances IL-23 expression in human dendritic cells: a novel role for the cAMP pathway. 2005 , 105, 1582-9	178
1882	Reversal of long-term sepsis-induced immunosuppression by dendritic cells. 2005 , 105, 3588-95	110
1881	Oxidized beta2-glycoprotein I induces human dendritic cell maturation and promotes a T helper type 1 response. 2005 , 106, 3880-7	65
1880	Dialogue entre les lymphocytes et les cellules dendritiques au cours de l'inflammation rhumatode. 2005 , 72, 297-302	2
1879	Toll-like receptor 2 antagonists. Part 1: preliminary SAR investigation of novel synthetic phospholipids. 2005 , 15, 5494-8	13
1878	Plasmacytoid dendritic cells: in search of their niche in immune responses. 2005 , 32, 75-83	16
1877	Effects of flagellin on innate and adaptive immunity. 2005 , 33, 83-101	120
1876	Development of adjunctive therapies for bacterial meningitis and lessons from knockout mice. 2005 , 2, 313-24	12
1875	Differences in inflammatory cytokine and Toll-like receptor genes and bacterial vaginosis in pregnancy. 2005 , 193, 1478-85	41
1874	Tuning of inflammatory cytokines and toll-like receptors by TIR8/SIGIRR, a member of the IL-1 receptor family with unique structure and regulation. 2006 , 213-222	

(2005-2005)

1873	Toll-like receptors: linking innate and adaptive immunity. 2005 , 560, 11-8		379
1872	Signal transduction in Campylobacter jejuni-induced cytokine production. 2005 , 7, 655-65		76
1871	Cat allergen induces proinflammatory responses by human monocyte-derived macrophages but not by dendritic cells. 2005 , 60, 1184-91		5
1870	A novel role for lectins in xenotransplantation. 2005 , 12, 7-12		8
1869	Evidence of macrophage receptors capable of direct recognition of xenogeneic epitopes without opsonization. 2005 , 12, 13-9		33
1868	Plasmacytoid dendritic cells and the regulation of immunoglobulin heavy chain class switching. 2005 , 83, 554-62		45
1867	Interleukin-17 and lipopolysaccharides synergistically induce cyclooxygenase-2 expression in human intestinal myofibroblasts. 2005 , 20, 619-27		26
1866	Tissue localization of Toll-like receptors in biopsy specimens of liver from children infected with hepatitis C virus. 2005 , 62, 407-12		26
1865	Induction of interleukin-8 production via nuclear factor-kappaB activation in human intestinal epithelial cells infected with Vibrio vulnificus. 2005 , 115, 506-15		21
1864	Differential immune effects mediated by Toll-like receptors stimulation in precursor B-cell acute lymphoblastic leukaemia. 2006 , 132, 452-8		16
1863	Targeting the dendritic cell: the key to immunotherapy in cancer?. 2005 , 139, 395-7		5
1862	Linking stress to immunity?. 2005 , 6, 541-2		19
1861	ROS-dependent activation of the TRAF6-ASK1-p38 pathway is selectively required for TLR4-mediated innate immunity. 2005 , 6, 587-92		554
1860	Negative regulation of toll-like receptor-mediated immune responses. <i>Nature Reviews Immunology</i> , 2005 , 5, 446-58	6.5	1230
1859	LPS, TLR4 and infectious disease diversity. 2005 , 3, 36-46		718
1858	Heritability estimates of innate immunity: an extended twin study. 2005 , 6, 167-70		152
1857	A randomized, double-blind trial of Lactobacillus GG versus placebo in addition to standard maintenance therapy for children with Crohn's disease. 2005 , 11, 833-9		250
1856	The physiological regulation of toll-like receptor expression and function in humans. 2005 , 563, 945-55		116

1855	Integral role of IRF-5 in the gene induction programme activated by Toll-like receptors. 2005, 434, 243-9	776
1854	Generation of inflammatory stimuli: how bacteria set up inflammatory responses in the gingiva. 2005 , 32 Suppl 6, 57-71	191
1853	Role for innate immunity in rheumatoid arthritis. 2005 , 72, 17-25	29
1852	Microbial cell wall agents as an occupational hazard. 2005 , 207, 310-9	34
1851	Toll-like receptors and their role in the trophoblast. 2005 , 26, 540-7	133
1850	Toll-like receptors on astrocytes: patterning for immunity. 2005 , 159, 1-2	9
1849	Uptake, intracellular distribution, and novel binding proteins of immunostimulatory CpG oligodeoxynucleotides in microglial cells. 2005 , 160, 32-40	13
1848	Impact of the Asp299Gly polymorphism in the toll-like receptor 4 (tlr-4) gene on disease course of multiple sclerosis. 2005 , 165, 161-5	24
1847	MyD88 is critical for the development of innate and adaptive immunity during acute lymphocytic choriomeningitis virus infection. 2005 , 35, 822-30	117
1846	CpG-activated Thy1.2+ dendritic cells protect against lethal Listeria monocytogenes infection. 2005 , 35, 2397-405	20
1845	Integrin activation by bacterial fimbriae through a pathway involving CD14, Toll-like receptor 2, and phosphatidylinositol-3-kinase. 2005 , 35, 1201-10	86
1844	Differential activation of astrocytes by innate and adaptive immune stimuli. 2005, 49, 360-74	297
1843	Altered monocyte responses to defined TLR ligands in patients with primary biliary cirrhosis. 2005 , 42, 802-8	153
1842	The adaptive immune response in neonatal cerebral white matter damage. 2005 , 58, 821-8	68
1841	Oxidized phospholipids as triggers of inflammation in atherosclerosis. 2005 , 49, 1063-71	60
1840	Identification and sequence analysis of chicken Toll-like receptors. 2005 , 56, 743-53	131
1839	Protein-bound polysaccharide isolated from basidiomycetes inhibits endotoxin-induced activation by blocking lipopolysaccharide-binding protein and CD14 functions. 2005 , 43, 91-8	10
1838	Gene-inducing program of human dendritic cells in response to BCG cell-wall skeleton (CWS), which reflects adjuvancy required for tumor immunotherapy. 2005 , 98, 280-90	31

(2005-2005)

1837	Rle de l'immunit'inne dans la polyarthrite rhumatode. 2005 , 72, 17-26	1
1836	No life without deathapoptosis as prerequisite for T cell activation. 2005 , 10, 707-15	36
1835	Inhibition of Toll Like Receptor immune responses by microbial pathogens. 2005 , 10, 582-7	31
1834	Heat Shock Proteins, Their Cell Surface Receptors and Effect on the Immune System. 2005 , 160-178	2
1833	Characterization of the expression of TLR2 (toll-like receptor 2) and TLR4 on circulating monocytes in coronary artery disease. 2005 , 12, 53-60	45
1832	. 2005,	
1831	. 2005,	3
1830	Regulatory T cells and the innate immune system. 2005 , 77-91	
1829	Immature CD4- CD103+ rat dendritic cells induce rapid caspase-independent apoptosis-like cell death in various tumor and nontumor cells and phagocytose their victims. 2005 , 175, 2408-17	47
1828	Exposure to bacterial cell wall products triggers an inflammatory phenotype in hepatic stellate cells. 2005 , 289, G571-8	113
1827	Inflammatory responses of corneal epithelial cells to Pseudomonas aeruginosa infection. 2005 , 30, 527-34	42
1826	Interleukin-1, Neutrophil Elastase, and Lipopolysaccharide: Key Pro- Inflammatory Stimuli Regulating Inflammation in Cystic Fibrosis. 2005 , 1, 43-67	5
1825	Peripheral Tolerization of Effector and Memory T Cells: Implications for Autoimmunity and Tumor-Immunity. 2005 , 1, 21-28	6
1824	Antimicrobial peptides in the oral environment: expression and function in health and disease. 2005 , 7, 119-33	253
1823	Essential role of the MyD88 pathway, but nonessential roles of TLRs 2, 4, and 9, in the adjuvant effect promoting Th1-mediated autoimmunity. 2005 , 175, 6303-10	119
1822	Cross-priming of T cell responses by synthetic microspheres carrying a CD8+ T cell epitope requires an adjuvant signal. 2005 , 174, 3432-9	15
1821	Inflammation, stress, and diabetes. 2005 , 115, 1111-1119	1212
1820	CpG RNA: identification of novel single-stranded RNA that stimulates human CD14+CD11c+ monocytes. 2005 , 174, 2273-9	74

1819	Peptide mapping of bacterial fimbrial epitopes interacting with pattern recognition receptors. 2005 , 280, 38902-13	59
1818	HIV impairs TNF-alpha release in response to Toll-like receptor 4 stimulation in human macrophages in vitro. 2005 , 33, 610-21	51
1817	From the Th1/Th2 paradigm towards a Toll-like receptor/T-helper bias. 2005 , 49, 3991-6	143
1816	Type I interferon dependence of plasmacytoid dendritic cell activation and migration. 2005 , 201, 1157-67	269
1815	The cysteine-rich region of respiratory syncytial virus attachment protein inhibits innate immunity elicited by the virus and endotoxin. 2005 , 102, 8996-9001	93
1814	The expression and roles of Toll-like receptors in the biology of the human neutrophil. 2005 , 77, 886-92	125
1813	The mast cell and gut nematodes: damage and defence. 2006 , 90, 128-140	42
1812	NF-kappaB- and C/EBPbeta-driven interleukin-1beta gene expression and PAK1-mediated caspase-1 activation play essential roles in interleukin-1beta release from Helicobacter pylori lipopolysaccharide-stimulated macrophages. 2005 , 280, 4279-88	111
1811	Characterization of Listeria monocytogenes expressing anthrolysin O and phosphatidylinositol-specific phospholipase C from Bacillus anthracis. 2005 , 73, 6639-46	27
1810	Inflammation-activated protein kinases as targets for drug development. 2005 , 2, 386-90; discussion 394-5	103
1809	New insights into alternative mechanisms of immune receptor diversification. 2005 , 87, 209-36	30
1808	Pulmonary dendritic cells. 2005, 172, 530-51	222
1807	Efficacy of macrophage-activating lipopeptide-2 combined with interferon-gamma in a murine asthma model. 2005 , 172, 566-72	26
1806	Lung transplantation: opportunities for research and clinical advancement. 2005 , 172, 944-55	79
1805	Evidence for the presence of toll-like receptor 4 system in the human endometrium. 2005 , 90, 548-56	93
1804	Regulation of antigen presentation and cross-presentation in the dendritic cell network: facts, hypothesis, and immunological implications. 2005 , 86, 241-305	123
1803	DNA Sequence-Specific Transcription Factors. 2005 , 91-109	3
1802	Monocyte toll-like receptor 4 expression and LPS-induced cytokine production increase during gestational aging. 2005 , 58, 121-4	137

1801	TGF-alpha regulates TLR expression and function on epidermal keratinocytes. 2005 , 174, 6137-43	132
1800	IL-32 synergizes with nucleotide oligomerization domain (NOD) 1 and NOD2 ligands for IL-1beta and IL-6 production through a caspase 1-dependent mechanism. 2005 , 102, 16309-14	249
1799	NF-kappaB activation and potentiation of proinflammatory responses by the Helicobacter pylori CagA protein. 2005 , 102, 9300-5	394
1798	In vivo activity of released cell wall lipids of Mycobacterium bovis bacillus Calmette-Gufin is due principally to trehalose mycolates. 2005 , 174, 5007-15	157
1797	Polymorphonuclear neutrophils improve replication of Chlamydia pneumoniae in vivo upon MyD88-dependent attraction. 2005 , 174, 4836-44	49
1796	Identification of stimulating and inhibitory epitopes within the heat shock protein 70 molecule that modulate cytokine production and maturation of dendritic cells. 2005 , 174, 3306-16	110
1795	The functional and structural properties of MD-2 required for lipopolysaccharide binding are absent in MD-1. 2005 , 174, 340-4	41
1794	Low TLR4 expression by liver dendritic cells correlates with reduced capacity to activate allogeneic T cells in response to endotoxin. 2005 , 174, 2037-45	135
1793	Cutting edge: expression of IL-1 receptor-associated kinase-4 (IRAK-4) proteins with mutations identified in a patient with recurrent bacterial infections alters normal IRAK-4 interaction with components of the IL-1 receptor complex. 2005 , 174, 6587-91	48
1792	The reciprocal interaction of NK cells with plasmacytoid or myeloid dendritic cells profoundly affects innate resistance functions. 2005 , 174, 727-34	324
1791	Dendritic cell maturation induced by muramyl dipeptide (MDP) derivatives: monoacylated MDP confers TLR2/TLR4 activation. 2005 , 174, 7096-103	85
1790	Lipoprotein I, a TLR2/4 ligand modulates Th2-driven allergic immune responses. 2005 , 174, 1097-103	90
1789	Roles of specific amino acids in the N terminus of Pseudomonas aeruginosa flagellin and of flagellin glycosylation in the innate immune response. 2005 , 73, 8237-46	94
1788	Phagocytosis-induced apoptosis in macrophages is mediated by up-regulation and activation of the Bcl-2 homology domain 3-only protein Bim. 2005 , 174, 671-9	46
1787	Cross talk between MyD88 and focal adhesion kinase pathways. 2005 , 174, 7393-7	58
1786	Innate signals compensate for the absence of PKC-{theta} during in vivo CD8(+) T cell effector and memory responses. 2005 , 102, 14374-9	61
1785	Participation of Rip2 in lipopolysaccharide signaling is independent of its kinase activity. 2005 , 280, 16278-83	52
1784	Suppressor alphabeta T lymphocytes control innate resistance to endotoxic shock. 2005 , 192, 1039-46	5

1783	Human tumor antigen MUC1 is chemotactic for immature dendritic cells and elicits maturation but does not promote Th1 type immunity. 2005 , 175, 1628-35	87
1782	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
1781	Role of innate and adaptive immunity in the pathogenesis of keratitis. 2005, 13, 133-8	43
1780	The molecular pathophysiology of bacterially induced preterm labor: insights from the murine model. 2005 , 12, 145-55	85
1779	A synthetic derivative of the natural product rocaglaol is a potent inhibitor of cytokine-mediated signaling and shows neuroprotective activity in vitro and in animal models of Parkinson's disease and traumatic brain injury. 2005 , 67, 1544-55	49
1778	10t,12c-conjugated linoleic acid inhibits lipopolysaccharide-induced cyclooxygenase expression in vitro and in vivo. 2005 , 46, 2134-42	47
1777	Lipopolysaccharide-induced cytokine and chemokine expression in human carotid lesions. 2005 , 42, 266-71	15
1776	Proteomic characterization of skin and epidermis in response to environmental agents. 2005 , 2, 809-20	11
1775	Innate Immunity in the Skin: How Keratinocytes Fight Against Pathogens. 2005, 1, 29-42	55
1774	TLRs and NODs mRNA expression pattern in healthy mouse eye. 2005 , 89, 904-10	41
1773	Complete structural characterization of the lipid A fraction of a clinical strain of B. cepacia genomovar I lipopolysaccharide. 2005 , 15, 561-70	53
1772	Defects in regulation of local immune responses resulting in atherosclerosis. 2005 , 12, 225-34	13
1771	Synthetic TLR agonists reveal functional differences between human TLR7 and TLR8. 2005, 174, 1259-68	556
1770	Oxidized phospholipids negatively regulate dendritic cell maturation induced by TLRs and CD40. 2005 , 175, 501-8	100
1769	NF-kappaB protects macrophages from lipopolysaccharide-induced cell death: the role of caspase 8 and receptor-interacting protein. 2005 , 280, 41827-34	73
1768	Comparison of lipopolysaccharide-binding functions of CD14 and MD-2. 2005 , 12, 1292-7	8
1767	Bacteroides fragilis-derived lipopolysaccharide produces cell activation and lethal toxicity via toll-like receptor 4. 2005 , 73, 5620-7	62
1766	A Toll-interleukin 1 repeat protein at the synapse specifies asymmetric odorant receptor expression via ASK1 MAPKKK signaling. 2005 , 19, 270-81	131

(2005-2005)

1765	Phosphatidylinositol-specific phospholipase C of Bacillus anthracis down-modulates the immune response. 2005 , 174, 8011-6	26
1764	TLR activation synergizes with Kilham rat virus infection to induce diabetes in BBDR rats. 2005 , 174, 131-42	119
1763	Escherichia coli K1 inhibits proinflammatory cytokine induction in monocytes by preventing NF-kappaB activation. 2005 , 78, 544-54	30
1762	The Role of Mucosal Microbiota in the Development, Maintenance, and Pathologies of the Mucosal Immune System. 2005 , 335-368	11
1761	The role of natural antibodies in atherogenesis. 2005 , 46, 1353-63	202
1760	Single nucleotide polymorphisms of Toll-like receptors and susceptibility to infectious disease. 2005 , 5, 156-64	387
1759	The heritage of pathogen pressures and ancient demography in the human innate-immunity CD209/CD209L region. 2005 , 77, 869-86	79
1758	Toll-like Receptors in Inflammation. 2005,	1
1757	Regulatory T Cells in Inflammation. 2005 ,	1
1756	Toll and Toll-Like Receptors: An Immunologic Perspective. 2005 ,	
1756 1755	Toll and Toll-Like Receptors: An Immunologic Perspective. 2005, Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005, 102, 10279-84	69
, ,	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a	69
, ,	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005 , 102, 10279-84	
1755 1754	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005 , 102, 10279-84 IL-23: changing the verdict on IL-12 function in inflammation and autoimmunity. 2005 , 9, 1123-36	11
1755 1754 1753	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005, 102, 10279-84 IL-23: changing the verdict on IL-12 function in inflammation and autoimmunity. 2005, 9, 1123-36 Innate immunity influences long-term outcomes after human lung transplant. 2005, 171, 780-5	11
1755 1754 1753 1752	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005, 102, 10279-84 IL-23: changing the verdict on IL-12 function in inflammation and autoimmunity. 2005, 9, 1123-36 Innate immunity influences long-term outcomes after human lung transplant. 2005, 171, 780-5 Clinical review: role of triggering receptor expressed on myeloid cells-1 during sepsis. 2005, 9, 485-9 Intestinal permeability and genetic determinants in patients, first-degree relatives, and controls in	11 108 67
1755 1754 1753 1752 1751	Structure of the ectodomain of Drosophila peptidoglycan-recognition protein LCa suggests a molecular mechanism for pattern recognition. 2005, 102, 10279-84 IL-23: changing the verdict on IL-12 function in inflammation and autoimmunity. 2005, 9, 1123-36 Innate immunity influences long-term outcomes after human lung transplant. 2005, 171, 780-5 Clinical review: role of triggering receptor expressed on myeloid cells-1 during sepsis. 2005, 9, 485-9 Intestinal permeability and genetic determinants in patients, first-degree relatives, and controls in a high-incidence area of Crohn's disease in Southern Italy. 2005, 100, 2730-6	111086760

1747	Activation of rainbow trout (Oncorhynchus mykiss) mononuclear phagocytes by different pathogen associated molecular pattern (PAMP) bearing agents. 2005 , 42, 1215-23	67
1746	Adjuvant effect of Taenia crassiceps glycans against leishmanial antigens in mice infected with Leishmania mexicana. 2005 , 42, 1495-502	3
1745	Toll-like receptors TLR4, TLR5 and TLR9 on gastric carcinoma cells: an implication for interaction with Helicobacter pylori. 2005 , 295, 179-85	174
1744	Interplay of bacterial toxins with host defence: molecular mechanisms of immunomodulatory signalling. 2005 , 295, 519-30	18
1743	Complexity and complementarity of outer membrane protein A recognition by cellular and humoral innate immunity receptors. 2005 , 22, 551-60	226
1742	Cell type-specific involvement of RIG-I in antiviral response. 2005 , 23, 19-28	1074
1741	Suppression of RNA recognition by Toll-like receptors: the impact of nucleoside modification and the evolutionary origin of RNA. 2005 , 23, 165-75	1027
1740	Humoral autoimmunity against endothelium: theory or reality?. 2005 , 26, 275-81	45
1739	Human endometrial epithelial cells cyclically express Toll-like receptor 3 (TLR3) and exhibit TLR3-dependent responses to dsRNA. 2005 , 66, 469-82	45
1738	The IB kinase (IKK) complex as a critical regulator of immune responses. 2005, 1285, 97-103	8
1737	Role of toll-like receptordommensal interactions in intestinal inflammation. 2005 , 1285, 3-9	
1736	Regulatory role of phosphoinositide 3-kinase in immune response. 2005 , 1285, 114-120	
1735	IRF family transcription factors in type I interferon induction. 2005 , 1285, 104-113	6
1734	Role of Toll-like receptor-driven innate immunity in thoracic organ transplantation. 2005 , 24, 1721-9	31
1733	Characterization of a galactose binding serum lectin from the Indian catfish, Clarias batrachus: possible involvement of fish lectins in differential recognition of pathogens. 2005 , 141, 76-84	31
1732	TICAM-1 and TICAM-2: toll-like receptor adapters that participate in induction of type 1 interferons. 2005 , 37, 524-9	41
1731	Cytokine and chemokine inter-regulation in the inflamed or injured CNS. 2005, 48, 178-84	104
1730	Endotoxin recognition: in fish or not in fish?. 2005 , 579, 6519-28	164

New facets of the neuropathology and molecular profile of human temporal lobe epilepsy. **2005**, 7, 190-203 Regulation of transplantation tolerance by antigen-presenting cells. 2005, 19, 123-137 Humoral immune response and B-cell functions including immunoglobulin class switch are 1727 105 downregulated in aged mice and humans. 2005, 17, 378-84 Plasmacytoid dendritic cells--virus experts of innate immunity. 2005, 17, 253-61 153 The elicitation of plant innate immunity by lipooligosaccharide of Xanthomonas campestris. 2005, 1725 145 280. 33660-8 Regulation of the type I IFN induction: a current view. 2005, 17, 1367-78 272 17Beta-estradiol suppresses TLR3-induced cytokine and chemokine production in endometrial 1723 39 epithelial cells. **2005**, 3, 74 DNA vaccine. **2005**, 54, 257-89 1722 61 Change in IFN-gamma-producing capacity in early life and exposure to environmental microbes. 36 1721 **2005**, 116, 1048-52 Role of endoplasmic reticulum stress and c-Jun NH2-terminal kinase pathways in inflammation and 1720 272 origin of obesity and diabetes. 2005, 54 Suppl 2, S73-8 1719 NOD-LRR proteins: role in host-microbial interactions and inflammatory disease. 2005, 74, 355-83 793 Pentraxins at the crossroads between innate immunity, inflammation, matrix deposition, and 666 1718 female fertility. **2005**, 23, 337-66 1717 Immunophysiology of the Male Reproductive Tract. 2006, 1195-1286 18 1716 Immunology of Pregnancy. 2006, 6 Expression of CRAMP via PGN-TLR-2 and of alpha-defensin-3 via CpG-ODN-TLR-9 in corneal 16 1715 fibroblasts. 2006, 90, 378-82 Different effects of arborinine alkaloid obtained from Brazilian Erthela baihensis on spleen and 6 1714 thymus cells stimulated in vitro with different mitogens. 2006, 28, 361-76 [Primary immune deficiencies in neutrophil functioning]. 2006, 35, 871-8 1713 4 Eminent role of ICOS costimulation for T cells interacting with plasmacytoid dendritic cells. 2006, 1712 29 118, 353-60

1711 [Cutaneous expression and function of Toll-like receptors]. **2006**, 133, 268-71

1710	The translation of Helicobacter pylori basic research to patient care. 2006 , 130, 188-206; quiz 212-3	110
1709	Role of toll-like receptors on human adipose-derived stromal cells. 2006 , 24, 2744-52	227
1708	Toll-like receptors in cellular subsets of human tonsil T cells: altered expression during recurrent tonsillitis. 2006 , 7, 36	66
1707	Endogenous TLR ligands and autoimmunity. 2006 , 91, 159-73	91
1706	Toll-like receptor function and signaling. 2006 , 117, 979-87; quiz 988	660
1705	Invited review: MDP and other muropeptides direct and synergistic effects on the immune system. 2006 , 12, 69-85	6
1704	Lipopolysaccharide from Escherichia coli induces the expression of vascular endothelial growth factor via toll-like receptor 4 in human limbal fibroblasts. 2006 , 83, 1373-7	19
1703	Immune relevant genes of Japanese flounder, Paralichthys olivaceus. 2006 , 1, 115-21	14
1702	Activation of the hypothalamic-pituitary-adrenal axis and autonomic nervous system during inflammation and altered programming of the neuroendocrine-immune axis during fetal and neonatal development: lessons learned from the model inflammagen, lipopolysaccharide. 2006 , 20, 144-58	101
1701	Dioscorin isolated from Dioscorea alata activates TLR4-signaling pathways and induces cytokine expression in macrophages. 2006 , 339, 137-44	54
1700	TLR4 expression in mouse embryonic stem cells and in stem cell-derived vascular cells is regulated by epigenetic modifications. 2006 , 347, 89-99	49
1699	Human corneal epithelial cells respond to ocular-pathogenic, but not to nonpathogenic-flagellin. 2006 , 347, 238-47	20
1698	Auranofin, as an anti-rheumatic gold compound, suppresses LPS-induced homodimerization of TLR4. 2006 , 350, 866-71	62
1697	MIF production by dendritic cells is differentially regulated by Toll-like receptors and increased during rheumatoid arthritis. 2006 , 36, 51-6	28
1696	Host defenses against Staphylococcus aureus infection require recognition of bacterial lipoproteins. 2006 , 103, 13831-6	185
1695	TLR signaling. 2006 , 311, 1-16	389
1694	The mast cell mediator PGD2 suppresses IL-12 release by dendritic cells leading to Th2 polarized immune responses in vivo. 2006 , 211, 463-72	61

(2006-2006)

1693	Apoptotic vesicles crossprime CD8 T cells and protect against tuberculosis. 2006 , 24, 105-17	297
1692	The immunostimulant RU41740 from Klebsiella pneumoniae activates human cells in whole blood to potentially stimulate innate and adaptive immune responses. 2006 , 6, 635-46	9
1691	Mechanism of macrophage activation by (1,4)-alpha-D-glucan isolated from Tinospora cordifolia. 2006 , 6, 1815-24	72
1690	MAP kinase kinase kinases and innate immunity. 2006 , 27, 40-8	111
1689	Delayed separation of the umbilical cord in two siblings with Interleukin-1 receptor-associated kinase 4 deficiency: rapid screening by flow cytometer. 2006 , 148, 546-8	48
1688	Advances in the molecular dissection of inflammatory bowel disease. 2006 , 18, 244-53	17
1687	Salmonella enterica serovar Choleraesuis infection of the porcine jejunal Peyer's patch rapidly induces IL-1beta and IL-8 expression. 2006 , 109, 1-11	28
1686	Role of lymph-borne cells in the early stages of scrapie agent dissemination from the skin. 2006 , 109, 267-78	12
1685	Expression and function of TLR2, TLR4, and Nod2 in primary canine colonic epithelial cells. 2006 , 114, 313-9	36
1684	The immune gene repertoire encoded in the purple sea urchin genome. 2006 , 300, 349-65	442
1683	Preparation and characterization of truncated human lipopolysaccharide-binding protein in Escherichia coli. 2006 , 49, 276-83	12
1682	Toll like receptors and acute allograft rejection. 2006 , 17, 11-5	35
1681	How bacteria and their products provide clues to vaccine and adjuvant development. 2006 , 24 Suppl 2, S2-13-9	8
1680	Genomic dissection of mucosal immunobiology in the porcine small intestine. 2006 , 28, 5-14	14
1679	Gastrointestinal manifestations of primary immunodeficiency. 2006, 601-616	
1678	A burning issue: do sepsis and systemic inflammatory response syndrome (SIRS) directly contribute to cardiac dysfunction?. 2006 , 11, 15-22	49
1677	Probiotics and prebiotics in chronic inflammatory bowel diseases. 2006 , 12, 5941-50	113
1676	Association of the RIP2 gene with childhood atopic asthma. 2006 , 55, 77-83	21

Signal transduction in the regulation of hematopoiesis. 125-149

1674 [Innate immunity: cutaneous expression of Toll-like receptors]. 2006 , 22, 149-52	4
1673 T	foll-like receptors and the eye. 2006 , 47, 1255-63	59
	itimulation of Antigen Presenting Cells: from Classical Adjuvants to Toll-like Receptor (TLR) igands. 2006 , 221-243	O
1671 T	ranscriptional Profiling of Dendritic Cells in Response to Pathogens. 2006 , 461-486	
1670 [Intra- and extracellular recognition of pathogens and activation of innate immunity]. 2006 , 126, 1213-8	O
	synergistic activation of dendritic cells by combined Toll-like receptor ligation induces superior CTL esponses in vivo. 2006 , 108, 544-50	204
	The Wingless homolog WNT5A and its receptor Frizzled-5 regulate inflammatory responses of numan mononuclear cells induced by microbial stimulation. 2006 , 108, 965-73	285
1667 C	Dendritic Cells. 2006 ,	
1666 N	Neonatal necrotizing enterocolitis: clinical observations and pathophysiology. 482-491	
	Distinct roles of TLR2 and the adaptor ASC in IL-1beta/IL-18 secretion in response to Listeria nonocytogenes. 2006 , 176, 4337-42	153
1664 f	Mutations in innate immune system NOD2/CARD 15 and TLR-4 (Thr399Ile) genes influence the risk or severe acute graft-versus-host disease in patients who underwent an allogeneic ransplantation. 2006 , 81, 247-54	105
1663 E	Emerging paradigm: toll-like receptor 4-sentinel for the detection of tissue damage. 2006 , 26, 430-7	255
1662 T	The role of toll-like receptors in solid organ transplantation. 2006 , 81, 497-502	60
	Genetic polymorphisms of CD14, toll-like receptor 4, and caspase-recruitment domain 15 are not associated with necrotizing enterocolitis in very low birth weight infants. 2006 , 42, 27-31	44
	he neutrophil-activating protein of Helicobacter pylori promotes Th1 immune responses. 2006 , 16, 1092-101	214
	Review: Ubiquitination and de-ubiquitination: role in regulation of signaling by Toll-like receptors. 2 006 , 12, 337-345	1
	systemic inflammatory response syndrome (SIRS): molecular pathophysiology and gene therapy. 2006, 101, 189-98	120

1657	Immunosuppression caused by measles virus: role of viral proteins. 2006 , 16, 49-63	55
1656	Central tolerance: good but imperfect. 2006 , 209, 290-6	155
1655	Donor polymorphisms in Toll-like receptor-4 influence the development of rejection after renal transplantation. 2006 , 20, 30-6	73
1654	Induction of Porphyromonas gingivalis GroEL signaling via binding to Toll-like receptors 2 and 4. 2006 , 21, 245-51	33
1653	Differential interactions of fimbriae and lipopolysaccharide from Porphyromonas gingivalis with the Toll-like receptor 2-centred pattern recognition apparatus. 2006 , 8, 1557-70	139
1652	Maturation state of dendritic cells during the extracorporeal photopheresis and its relevance for the treatment of chronic graft-versus-host disease. 2006 , 46, 55-65	59
1651	Moderate alcohol intake in humans attenuates monocyte inflammatory responses: inhibition of nuclear regulatory factor kappa B and induction of interleukin 10. 2006 , 30, 135-9	115
1650	Cytokines and alcohol. 2006 , 30, 720-30	293
1649	Developing insect models for the study of current and emerging human pathogens. 2006 , 263, 1-9	56
1648	Role of SLC11A1 (formerly NRAMP1) in regulation of signal transduction induced by Toll-like receptor 7 ligands. 2006 , 47, 138-47	10
1647	The influence of uremic serum on interleukin-1beta and interleukin-1 receptor antagonist production by peripheral blood mononuclear cells. 2006 , 10, 65-71	5
1646	Differences in innate immune responses upon stimulation with gram-positive and gram-negative bacteria. 2006 , 41, 447-54	50
1645	Interleukin 12 production by monocytes from patients with psoriasis and its inhibition by ciclosporin A. 2006 , 154, 1180-3	19
1644	Toll-like receptor (TLR) 4 polymorphisms are associated with a chronic course of sarcoidosis. 2006 , 143, 420-6	83
1643	Toll-like receptor 3 agonist poly(I:C)-induced antiviral response in human corneal epithelial cells. 2006 , 117, 11-21	158
1642	Herpes simplex virus 1 infection induces the expression of proinflammatory cytokines, interferons and TLR7 in human corneal epithelial cells. 2006 , 117, 167-76	110
1641	Systemic activation of dendritic cells by Toll-like receptor ligands or malaria infection impairs cross-presentation and antiviral immunity. 2006 , 7, 165-72	291
1640	Smad6 negatively regulates interleukin 1-receptor-Toll-like receptor signaling through direct interaction with the adaptor Pellino-1. 2006 , 7, 1057-65	98

1639	Fat fuels insulin resistance through Toll-like receptors. 2006 , 12, 1359-61	28
1638	Lipopolysaccharide signaling in endothelial cells. 2006 , 86, 9-22	414
1637	IkappaB kinase-alpha is critical for interferon-alpha production induced by Toll-like receptors 7 and 9. 2006 , 440, 949-53	297
1636	Nuclear factor-kappaB in cancer development and progression. 2006 , 441, 431-6	2885
1635	Intracellular pattern recognition receptors in the host response. 2006 , 442, 39-44	927
1634	Insights into human hypertension: the role of endothelial dysfunction. 2006 , 20, 725-6	17
1633	Toll-like receptor 2 mediates early inflammation by leptospiral outer membrane proteins in proximal tubule cells. 2006 , 69, 815-22	84
1632	Escherichia coli lipopolysaccharide inhibits renin activity in human mesangial cells. 2006 , 69, 974-80	20
1631	"Dirty little secrets"endotoxin contamination of recombinant proteins. 2006, 106, 1-7	70
1630	Probiotic Lactobacillus casei activates innate immunity via NF-kappaB and p38 MAP kinase signaling pathways. 2006 , 8, 994-1005	87
1629	TLR-4 signaling promotes tumor growth and paclitaxel chemoresistance in ovarian cancer. 2006 , 66, 3859-68	403
1628	Sympathetic nervous system influence on the innate immune response. 2006 , 1069, 195-207	62
1627	Immunophysiology of epithelial cells and pattern-recognition receptors. 2006 , 32, 224-234	5
1626	New immunologyImmunology of pattern recognition receptors. 2006 , 33, 417-426	3
1625	Overview: Helicobacter pylori and extragastric disease. 2006 , 84, 291-300	30
1624	Toll-like receptor signaling and IRF transcription factors. 2006 , 58, 290-5	44
1623	Natural IgM antibodies: the orphaned molecules in immune surveillance. 2006 , 58, 755-65	58
1622	Murine osteoblasts respond to LPS and IFN-gamma similarly to macrophages. 2006 , 24, 454-60	11

(2006-2006)

1621	An association study of asthma and related phenotypes with polymorphisms in negative regulator molecules of the TLR signaling pathway. 2006 , 51, 284-291	31
1620	B cells play an important role in lipopolysaccharide-induced bone resorption. 2006 , 78, 125-32	23
1619	Streptococcus pyogenes induces epithelial inflammatory responses through NF-kappaB/MAPK signaling pathways. 2006 , 8, 1440-9	22
1618	Oxidized lipids: the two faces of vascular inflammation. 2006 , 8, 223-31	44
1617	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
1616	The role of hyaluronan degradation products as innate alloimmune agonists. 2006 , 6, 2622-35	155
1615	A role for IFNgamma in differential superantigen stimulation of conventional versus plasmacytoid DCs. 2006 , 242, 9-22	5
1614	Toll-like receptor (TLR) 2-9 agonists-induced cytokines and chemokines: I. Comparison with T cell receptor-induced responses. 2006 , 243, 48-57	84
1613	Innate and adaptive immune responses in CNS disease. 2006 , 6, 227-236	5
1612	Inhibition of homodimerization of Toll-like receptor 4 by curcumin. 2006 , 72, 62-9	179
1612 1611	Inhibition of homodimerization of Toll-like receptor 4 by curcumin. 2006 , 72, 62-9 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	179
	Suppression of MyD88- and TRIF-dependent signaling pathways of Toll-like receptor by	
1611	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the	
1611 1610	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the bedside. 2006 , 30, 819-22 High-avidity antitumor T-cell generation by toll receptor 8-primed, myeloid-derived dendritic cells	126
1611 1610 1609	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the bedside. 2006 , 30, 819-22 High-avidity antitumor T-cell generation by toll receptor 8-primed, myeloid- derived dendritic cells is mediated by IL-12 production. 2006 , 140, 170-8 Encapsulation of the immune potentiators MPL and RC529 in PLG microparticles enhances their	126 38
1611 1610 1609 1608	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the bedside. 2006 , 30, 819-22 High-avidity antitumor T-cell generation by toll receptor 8-primed, myeloid- derived dendritic cells is mediated by IL-12 production. 2006 , 140, 170-8 Encapsulation of the immune potentiators MPL and RC529 in PLG microparticles enhances their potency. 2006 , 110, 566-73 Expression and distribution of Toll-like receptors in the brain during murine neurocysticercosis.	126 38 96
1611 1610 1609 1608	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the bedside. 2006, 30, 819-22 High-avidity antitumor T-cell generation by toll receptor 8-primed, myeloid- derived dendritic cells is mediated by IL-12 production. 2006, 140, 170-8 Encapsulation of the immune potentiators MPL and RC529 in PLG microparticles enhances their potency. 2006, 110, 566-73 Expression and distribution of Toll-like receptors in the brain during murine neurocysticercosis. 2006, 181, 46-56 The catabolic pathway mediated by Toll-like receptors in human osteoarthritic chondrocytes. 2006,	126 38 96 129
1611 1610 1609 1608 1607	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 The quest for new therapies in patients with cirrhosis and sepsis. Time to move from the lab to the bedside. 2006, 30, 819-22 High-avidity antitumor T-cell generation by toll receptor 8-primed, myeloid- derived dendritic cells is mediated by IL-12 production. 2006, 140, 170-8 Encapsulation of the immune potentiators MPL and RC529 in PLG microparticles enhances their potency. 2006, 110, 566-73 Expression and distribution of Toll-like receptors in the brain during murine neurocysticercosis. 2006, 181, 46-56 The catabolic pathway mediated by Toll-like receptors in human osteoarthritic chondrocytes. 2006, 54, 2152-63 RNA interference reveals a role for TLR2 and TLR3 in the recognition of Leishmania donovani	126 38 96 129 209

1603	Interleukin-10 derived from macrophages and/or neutrophils regulates the inflammatory response to LPS but not the response to CpG DNA. 2006 , 36, 3248-55	102
1602	NF-kappaB and cancer: mechanisms and targets. 2006 , 45, 355-61	223
1601	Reduced expression of toll-like receptor 2 on peripheral monocytes in patients with chronic hepatitis B. 2006 , 13, 972-4	48
1600	Differential roles of CD14 and toll-like receptors 4 and 2 in murine Acinetobacter pneumonia. 2006 , 173, 122-9	128
1599	Lipopolysaccharide-induced human enterocyte tolerance to cytokine-mediated interleukin-8 production may occur independently of TLR-4/MD-2 signaling. 2006 , 59, 89-95	32
1598	The immunological basis of the hygiene hypothesis. 2006 , 91, 30-48	49
1597	Heat Shock Proteins (HSP): Future Trends in Cancer Immunotherapy. 2006 , 4, 1-10	5
1596	Different roles for human lung dendritic cell subsets in pulmonary immune defense mechanisms. 2006 , 35, 387-93	102
1595	The innate antiviral response: new insights into a continuing story. 2007 , 69, 1-66	20
1594	Endotoxin, TLR4 signaling and vascular inflammation: potential therapeutic targets in cardiovascular disease. 2006 , 12, 4229-45	98
1593	Purification of splenic dendritic cells induces maturation and capacity to stimulate Th1 response in vivo. 2006 , 18, 445-52	16
1592	The immunological function of iGb3. 2006 , 7, 325-33	24
1591	Induction of innate immunity against herpes simplex virus type 2 infection via local delivery of Toll-like receptor ligands correlates with beta interferon production. 2006 , 80, 9943-50	85
1590	Promoter variation in the DC-SIGN-encoding gene CD209 is associated with tuberculosis. 2006 , 3, e20	152
1589	Negative regulators of toll-like receptor 4-mediated macrophage inflammatory response. 2006 , 12, 4143-53	27
1588	Intracellular Life of Coxiella burnetii in Macrophages: Insight into Q Fever Immunopathology. 2006 , 2, 225-232	3
1587	Toll-like receptors, cytokines and the immunotherapeutics of asthma. 2006 , 12, 2365-74	9
1586	GM-CSF priming of human monocytes is dependent on ERK1/2 activation. 2006 , 12, 10-20	13

(2006-2006)

1585	Intervention of Toll-like receptor-mediated human innate immunity and inflammation by synthetic compounds and naturally occurring products. 2006 , 13, 1389-95	18
1584	Lipoprotein is a predominant Toll-like receptor 2 ligand in Staphylococcus aureus cell wall components. 2006 , 18, 355-62	130
1583	Expression of Toll-like receptors (TLR) and responsiveness to TLR agonists by polarized mouse uterine epithelial cells in culture. 2006 , 75, 131-9	43
1582	Ubiquitination and de-ubiquitination: role in regulation of signaling by Toll-like receptors. 2006 , 12, 337-45	14
1581	MDP and other muropeptidesdirect and synergistic effects on the immune system. 2006 , 12, 69-85	69
1580	Toll-like receptors and corneal innate immunity. 2006 , 6, 327-37	94
1579	Plant and animal pathogen recognition receptors signal through non-RD kinases. 2006 , 2, e2	198
1578	MHC class II molecules control murine B cell responsiveness to lipopolysaccharide stimulation. 2006 , 177, 4620-6	10
1577	The emerging role of toll-like receptor pathways in surgical diseases. 2006 , 141, 595-601	10
1576	c-Fos suppresses systemic inflammatory response to endotoxin. 2006 , 18, 671-7	70
1575	The ASK1-MAP kinase signaling in ER stress and neurodegenerative diseases. 2006 , 6, 87-97	123
1574	The role of TLR2 in vivo following challenge with Staphylococcus aureus and prototypic ligands. 2006 , 177, 8154-63	68
1573	Toll-like receptor 4 in rat prostate: modulation by testosterone and acute bacterial infection in epithelial and stromal cells. 2006 , 75, 664-72	42
1572	The front line of enteric host defense against unwelcome intrusion of harmful microorganisms: mucins, antimicrobial peptides, and microbiota. 2006 , 19, 315-37	372
1571	NF-B/Rel Transcription Factor Family. 2006,	3
1570	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
1569	MyD88-dependent pathways mediate resistance to Cryptosporidium parvum infection in mice. 2006 , 74, 549-56	38
1568	Ex vivo CD(+) T-cell cytokine expression from patients with Sjgren's syndrome following in vitro stimulation to induce proliferation. 2006 , 45, 392-9	8

1567	Hughes Syndrome. 2006,	5
1566	TLR4 links innate immunity and fatty acid-induced insulin resistance. 2006 , 116, 3015-25	2539
1565	The functional effects of physical interactions among Toll-like receptors 7, 8, and 9. 2006 , 281, 37427-34	99
1564	Francisella tularensis LPS induces the production of cytokines in human monocytes and signals via Toll-like receptor 4 with much lower potency than E. coli LPS. 2006 , 18, 785-95	57
1563	Porphyromonas gingivalis fimbriae proactively modulate beta2 integrin adhesive activity and promote binding to and internalization by macrophages. 2006 , 74, 5658-66	75
1562	Escherichia coli strain Nissle 1917 ameliorates experimental colitis via toll-like receptor 2- and toll-like receptor 4-dependent pathways. 2006 , 74, 4075-82	146
1561	Free radical production requires both inducible nitric oxide synthase and xanthine oxidase in LPS-treated skin. 2006 , 103, 4616-21	61
1560	Triggering receptor expressed on myeloid cells-1 (TREM-1) amplifies the signals induced by the NACHT-LRR (NLR) pattern recognition receptors. 2006 , 80, 1454-61	97
1559	AsialoGM1-mediated IL-8 release by human corneal epithelial cells requires coexpression of TLR5. 2006 , 47, 4810-8	17
1558	Arsenic ecotoxicology and innate immunity. 2006 , 46, 1040-54	39
1557	Cytokine secretion via cholesterol-rich lipid raft-associated SNAREs at the phagocytic cup. 2006 , 281, 11949-54	87
1556	Robustness trade-offs and host-microbial symbiosis in the immune system. 2006 , 2, 2006.0022	96
1555	Flagellin is an effective adjuvant for immunization against lethal respiratory challenge with Yersinia pestis. 2006 , 74, 1113-20	216
1554	Helicobacter pylori induces IkappaB kinase alpha nuclear translocation and chemokine production in gastric epithelial cells. 2006 , 74, 1452-61	36
1553	Activation of plasmacytoid dendritic cells with TLR9 agonists initiates invariant NKT cell-mediated cross-talk with myeloid dendritic cells. 2006 , 177, 1028-39	66
1552	Bacterial lipoprotein-induced self-tolerance and cross-tolerance to LPS are associated with reduced IRAK-1 expression and MyD88-IRAK complex formation. 2006 , 79, 867-75	56
1551	Endotoxin-induced expression of murine bactericidal permeability/increasing protein is mediated exclusively by toll/IL-1 receptor domain-containing adaptor inducing IFN-beta-dependent pathways. 2006 , 176, 522-8	27
1550	MyD88 and TNF receptor-associated factor 6 are critical signal transducers in Helicobacter pylori-infected human epithelial cells. 2006 , 176, 3796-803	64

(2006-2006)

1549	TLR4-dependent NF-kappaB activation and mitogen- and stress-activated protein kinase 1-triggered phosphorylation events are central to Helicobacter pylori peptidyl prolyl cis-, trans-isomerase (HP0175)-mediated induction of IL-6 release from macrophages. 2006 , 177, 7950-8	87
1548	Receptor activator of NF-kappa B ligand and osteoprotegerin regulate proinflammatory cytokine production in mice. 2006 , 177, 3799-805	84
1547	Identification of proinflammatory flagellin proteins in supernatants of Vibrio cholerae O1 by proteomics analysis. 2006 , 5, 2374-83	32
1546	Ricin toxin B subunit enhancement of rotavirus NSP4 immunogenicity in mice. 2006 , 19, 54-63	13
1545	Hemorrhagic shock-activated neutrophils augment TLR4 signaling-induced TLR2 upregulation in alveolar macrophages: role in hemorrhage-primed lung inflammation. 2006 , 290, L738-L746	69
1544	IRF-8/interferon (IFN) consensus sequence-binding protein is involved in Toll-like receptor (TLR) signaling and contributes to the cross-talk between TLR and IFN-gamma signaling pathways. 2006 , 281, 10073-80	112
1543	Pertussis toxin is superior to TLR ligands in enhancing pathogenic autoimmunity, targeted at a neo-self antigen, by triggering robust expansion of Th1 cells and their cytokine production. 2006 , 177, 6896-903	38
1542	Sertoli cells initiate testicular innate immune responses through TLR activation. 2006, 177, 7122-30	94
1541	Regulation of allergic airway inflammation through Toll-like receptor 4-mediated modification of mast cell function. 2006 , 103, 2286-91	129
1540	H2-M3-restricted T cells participate in the priming of antigen-specific CD4+ T cells. 2006 , 177, 5098-104	11
1539	MyD88-dependent IFN-gamma production by NK cells is key for control of Legionella pneumophila infection. 2006 , 176, 6162-71	92
1538	GM-CSF priming of human monocytes is dependent on ERK1/2 activation. 2006 , 12, 10-20	12
1537	Absence of innate MyD88 signaling promotes inducible allograft acceptance. 2006 , 177, 5307-16	93
1536	Host genetics of Bordetella pertussis infection in mice: significance of Toll-like receptor 4 in genetic susceptibility and pathobiology. 2006 , 74, 2596-605	36
1535	A polymeric bacterial protein activates dendritic cells via TLR4. 2006 , 176, 2366-72	48
1534	Dual recognition of herpes simplex viruses by TLR2 and TLR9 in dendritic cells. 2006 , 103, 17343-8	222
1533	Toll-like receptor modulation in cardiovascular disease: a target for intervention?. 2006, 15, 857-71	12
1532	Respiratory syncytial virus and innate immunity: a complex interplay of exploitation and subversion. 2006 , 5, 371-80	1

1531	Toll-Like Receptors and Pregnancy. 2006 , 15-25	2
1530	Cathepsin E-deficient mice show increased susceptibility to bacterial infection associated with the decreased expression of multiple cell surface Toll-like receptors. 2006 , 140, 57-66	42
1529	VP1686, a Vibrio type III secretion protein, induces toll-like receptor-independent apoptosis in macrophage through NF-kappaB inhibition. 2006 , 281, 36897-904	54
1528	Infectious origin of the antiphospholipid syndrome. 2006 , 65, 2-6	130
1527	Postnatal acquisition of endotoxin tolerance in intestinal epithelial cells. 2006 , 203, 973-84	388
1526	Distinct functions between toll-like receptors 3 and 9 in retinal pigment epithelial cells. 2007, 39, 155-63	43
1525	Rickettsial Diseases. 2007,	16
1524	Exosomes released from macrophages infected with intracellular pathogens stimulate a proinflammatory response in vitro and in vivo. 2007 , 110, 3234-44	429
1523	Avian genomics and the innate immune response to viruses. 2007 , 117, 207-12	7
1522	Lipopolysaccharide analogs improve efficacy of acellular pertussis vaccine and reduce type I hypersensitivity in mice. 2007 , 14, 821-9	32
1521	TLR9-signaling pathways are involved in Kilham rat virus-induced autoimmune diabetes in the biobreeding diabetes-resistant rat. 2007 , 178, 693-701	91
1520	Inducible expression of the proallergic cytokine thymic stromal lymphopoietin in airway epithelial cells is controlled by NFkappaB. 2007 , 104, 914-9	293
1519	A MyD88-deficient mouse model reveals a role for Nramp1 in Campylobacter jejuni infection. 2007 , 75, 1994-2003	56
1518	Echinococcus granulosus antigen B impairs human dendritic cell differentiation and polarizes immature dendritic cell maturation towards a Th2 cell response. 2007 , 75, 1667-78	109
1517	Host transcription profiles upon primary respiratory syncytial virus infection. 2007 , 81, 5958-67	55
1516	Chlamydia pneumoniaeinduced macrophage foam cell formation is mediated by Toll-like receptor 2. 2007 , 75, 753-9	131
1515	Modulation of the interferon antiviral response by the TBK1/IKKi adaptor protein TANK. 2007, 282, 11817-26	162
1514	Normal establishment of virus-specific memory CD8 T cell pool following primary infection during pregnancy. 2007 , 179, 4383-9	43

1513	Caspase-4 interacts with TNF receptor-associated factor 6 and mediates lipopolysaccharide-induced NF-kappaB-dependent production of IL-8 and CC chemokine ligand 4 (macrophage-inflammatory protein-1). 2007 , 179, 8480-90	46
1512	Complement receptor 3 blockade promotes IL-12-mediated clearance of Porphyromonas gingivalis and negates its virulence in vivo. 2007 , 179, 2359-67	90
1511	TLR signaling fine-tunes anti-influenza B cell responses without regulating effector T cell responses. 2007 , 178, 2182-91	166
1510	Activation of innate immune defense mechanisms by signaling through RIG-I/IPS-1 in intestinal epithelial cells. 2007 , 179, 5425-32	71
1509	TLR4 hyperresponsiveness via cell surface expression of heat shock protein gp96 potentiates suppressive function of regulatory T cells. 2007 , 178, 3219-25	43
1508	Toll-like receptor 4 is involved in brain damage and inflammation after experimental stroke. 2007 , 115, 1599-608	460
1507	Has toll-like receptor 4 been prematurely dismissed as an inflammatory bowel disease gene? Association study combined with meta-analysis shows strong evidence for association. 2007 , 102, 2504-12	102
1506	Toll-like receptor signal transduction. 2007 , 39, 421-38	180
1505	Chicken toll-like receptor 3 recognizes its cognate ligand when ectopically expressed in human cells. 2007 , 27, 97-101	54
1504	Long pentraxin 3 in pulmonary infection and acute lung injury. 2007 , 292, L1039-49	89
1503	Bacterial ligands generated in a phagosome are targets of the cytosolic innate immune system. 2007 , 3, e51	128
1502	Full structural characterization of Shigella flexneri M90T serotype 5 wild-type R-LPS and its delta galU mutant: glycine residue location in the inner core of the lipopolysaccharide. 2008 , 18, 260-9	18
1501	Enteroendocrine cells express functional Toll-like receptors. 2007 , 292, G1770-83	150
1500	Downregulation of migration inhibitory factor is critical for estrogen-mediated attenuation of lung tissue damage following trauma-hemorrhage. 2007 , 292, L1227-32	45
1499	The PYRIN domain in signal transduction. 2007 , 8, 293-310	20
1498	Toll-Like Receptors in Vertebrates. 2007 , 1-7	
1497	Toll-like receptors in brain development and homeostasis. 2007 , 2007, pe47	28
1496	Increased mucosal expression of Toll-like receptor (TLR)2 and TLR4 in coeliac disease. 2007 , 45, 187-93	69

1495	Role of Toll-like receptors in transplantation tolerance. 2007 , 3, 139-44	2
1494	Diacylglycerol kinase zeta regulates microbial recognition and host resistance to Toxoplasma gondii. 2007 , 204, 781-92	54
1493	Accumulation of dendritic cells and increased CCL20 levels in the airways of patients with chronic obstructive pulmonary disease. 2007 , 175, 998-1005	186
1492	c-Jun N-terminal kinases as potential therapeutic targets. 2007 , 11, 1339-53	28
1491	c-Fos-deficient mice are susceptible to Salmonella enterica serovar Typhimurium infection. 2007 , 75, 1520-3	18
1490	IL-6 and maturation govern TLR2 and TLR4 induced TLR agonist tolerance and cross-tolerance in dendritic cells. 2007 , 179, 5811-8	53
1489	Role of Toll-like receptor 2 in recognition of Legionella pneumophila in a murine pneumonia model. 2007 , 56, 305-312	52
1488	Role of MyD88 in route-dependent susceptibility to vesicular stomatitis virus infection. 2007 , 178, 5173-81	40
1487	Listeria monocytogenes promotes tumor growth via tumor cell toll-like receptor 2 signaling. 2007 , 67, 4346-52	160
1486	Role of CD14 promoter polymorphisms in Helicobacter pylori infectionrelated gastric carcinoma. 2007 , 13, 2362-8	36
1485	hCTR9, a component of Paf1 complex, participates in the transcription of interleukin 6-responsive genes through regulation of STAT3-DNA interactions. 2007 , 282, 34727-34	22
1484	Modulation of corneal epithelial innate immune response to pseudomonas infection by flagellin pretreatment. 2007 , 48, 4664-70	54
1483	Detailed characterization of the lipid A fraction from the nonpathogen Acinetobacter radioresistens strain S13. 2007 , 48, 1045-51	25
1482	Deficiencies of myeloid differentiation factor 88, Toll-like receptor 2 (TLR2), or TLR4 produce specific defects in macrophage cytokine secretion induced by Helicobacter pylori. 2007 , 75, 2408-14	64
1481	Lamprey TLRs with properties distinct from those of the variable lymphocyte receptors. 2007 , 178, 397-406	52
1480	Cutting edge: TLR2 directly triggers Th1 effector functions. 2007 , 178, 6715-9	160
1479	Identification and characterization of novel bone marrow myeloid DEC205+Gr-1+ cell subsets that differentially express chemokine and TLRs. 2007 , 178, 7833-9	8
1478	Babesial vector tick defensin against Babesia sp. parasites. 2007 , 75, 3633-40	72

1477	receptor for IgG via intronic binding sequences. 2007 , 179, 2999-3011	78
1476	Application of beta-lactamase enzyme complementation to the high-throughput screening of toll-like receptor signaling inhibitors. 2007 , 72, 868-75	20
1475	The human IgM antibody SAM-6 induces tumor-specific apoptosis with oxidized low-density lipoprotein. 2007 , 6, 326-33	47
1474	Toll-like receptor-4 is up-regulated in hematopoietic progenitor cells and contributes to increased apoptosis in myelodysplastic syndromes. 2007 , 13, 1154-60	94
1473	West Nile virus envelope protein inhibits dsRNA-induced innate immune responses. 2007, 179, 8403-9	58
1472	Mechanisms of T cell tolerance and suppression in cancer mediated by tumor-associated antigens and hormones. 2007 , 7, 3-14	31
1471	The role of innate immunity in the pathogenesis of asthma: evidence for the involvement of Toll-like receptor signaling. 2007 , 13, 305-12	25
1470	Pneumocystis-mediated IL-8 release by macrophages requires coexpression of mannose receptors and TLR2. 2007 , 81, 205-11	65
1469	TLRs in the Gut. IV. Negative regulation of Toll-like receptors and intestinal homeostasis: addition by subtraction. 2007 , 292, G1469-73	173
1468	A novel role of the lumican core protein in bacterial lipopolysaccharide-induced innate immune response. 2007 , 282, 26409-17	98
1467	Toll-like receptor-2-mediated C-C chemokine receptor 3 and eotaxin-driven eosinophil influx induced by Mycobacterium bovis BCG pleurisy. 2007 , 75, 1507-11	27
1466	Mitochondria contribute to LPS-induced MAPK activation via uncoupling protein UCP2 in macrophages. 2007 , 402, 271-8	138
1465	Functional specialization of human circulating CD16 and CD1c myeloid dendritic-cell subsets. 2007 , 109, 5371-9	172
1464	Factors governing the activation of adoptively transferred donor T cells infused after allogeneic bone marrow transplantation in the mouse. 2007 , 109, 4564-74	21
1463	New Generation Vaccine Adjuvants. 2007,	11
1462	The role of altered microbial signaling via mutant NODs in intestinal inflammation. 2007 , 23, 21-6	11
1461	Toll-like receptor pathways and innate responses to allografts. 2007 , 12, 5-9	1
1460	Requirement of MyD88 for macrophage-mediated islet xenograft rejection after adoptive transfer. 2007 , 83, 615-23	14

1459	Innate responses to Aspergillus: role of C1q and pentraxin 3 in nasal polyposis. 2007 , 21, 224-30	7
1458	Targeting the toll-system in cardiovascular sciences. 2007 , 1, 57-67	1
1457	Immunolocalization of dendritic cells and pattern recognition receptors in chronic rhinosinusitis. 2007 , 21, 117-21	15
1456	Inflammatory changes in preeclampsia: current understanding of the maternal innate and adaptive immune response. 2007 , 62, 191-201	63
1455	Toll-like receptor 2 modulates left ventricular function following ischemia-reperfusion injury. 2007 , 292, H503-9	121
1454	The effects of suplatast tosilate (IPD-1151T) on innate immunity and antigen-presenting cells. 2007 , 18, 108-14	3
1453	A preliminary study of healing of diode laser versus scalpel incisions in rat oral tissue: a comparison of clinical, histological, and immunohistochemical results. 2007 , 103, 764-73	66
1452	Comparison of lipopeptide-based immunocontraceptive vaccines containing different lipid groups. 2007 , 25, 92-101	43
1451	Adjuvant effects of plasmid-generated hairpin RNA molecules on DNA vaccination. 2007, 25, 6992-7000	8
1450	Innate control of adaptive immunity: dendritic cells and beyond. 2007 , 19, 48-55	122
1450 1449	Innate control of adaptive immunity: dendritic cells and beyond. 2007, 19, 48-55 Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007, 154, 581-8	122
1449	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with	
1449	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007 , 154, 581-8	22
1449	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007, 154, 581-8 Oxidized phospholipids: from molecular properties to disease. 2007, 1772, 718-36 Dissecting the pathophysiologic role of endogenous lectins: glycan-binding proteins with	204
1449 1448 1447	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007, 154, 581-8 Oxidized phospholipids: from molecular properties to disease. 2007, 1772, 718-36 Dissecting the pathophysiologic role of endogenous lectins: glycan-binding proteins with cytokine-like activity?. 2007, 18, 57-71 Myeloid differentiation factor 88-independent Toll-like receptor pathway: Sustaining inflammation	22 204 67
1449 1448 1447 1446	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007, 154, 581-8 Oxidized phospholipids: from molecular properties to disease. 2007, 1772, 718-36 Dissecting the pathophysiologic role of endogenous lectins: glycan-binding proteins with cytokine-like activity?. 2007, 18, 57-71 Myeloid differentiation factor 88-independent Toll-like receptor pathway: Sustaining inflammation or promoting tolerance?. 2007, 39, 1582-92	222046761
1449 1448 1447 1446	Association between toll-like receptor 8 expression and adverse clinical outcomes in patients with enterovirus-associated dilated cardiomyopathy. 2007, 154, 581-8 Oxidized phospholipids: from molecular properties to disease. 2007, 1772, 718-36 Dissecting the pathophysiologic role of endogenous lectins: glycan-binding proteins with cytokine-like activity?. 2007, 18, 57-71 Myeloid differentiation factor 88-independent Toll-like receptor pathway: Sustaining inflammation or promoting tolerance?. 2007, 39, 1582-92 Dendritic cells and interferon-mediated autoimmunity. 2007, 89, 856-71 Role of LPS in the hepatic microvascular dysfunction elicited by cecal ligation and puncture in mice.	22204676137

Heat shock protein gp96 is a master chaperone for toll-like receptors and is important in the innate function of macrophages. 2007 , 26, 215-26	371
TLR-TLR cross talk in human PBMC resulting in synergistic and antagonistic regulation of type-1 and 2 interferons, IL-12 and TNF-alpha. 2007 , 7, 1111-21	76
1439 Inhibitory effects of Stewartia koreana on osteoclast differentiation and bone resorption. 2007 , 7, 1507-16	21
From latent incubation launched into hostile symptomatic pathology: A probable survival strategy for common respiratory infectious agents. 2007 , 68, 397-400	3
17Beta-estradiol downregulates Kupffer cell TLR4-dependent p38 MAPK pathway and normalizes inflammatory cytokine production following trauma-hemorrhage. 2007 , 44, 2165-72	53
1436 Drosophila C-type lectins enhance cellular encapsulation. 2007 , 44, 2541-8	104
1435 TLR- and NOD2-dependent regulation of human phagocyte-specific chitotriosidase. 2007 , 581, 5389-95	30
Acute brain injury triggers MyD88-dependent, TLR2/4-independent inflammatory responses. 2007 , 1434 171, 200-13	59
Role of mini-host models in the study of medically important fungi. 2007 , 7, 42-55	7º
1432 Flore intestinale et immunit . 2007 , 14, 2-4	1
1431 IgA and Intestinal Homeostasis. 2007, 221-268	9
1430 Resiquimod and other immune response modifiers as vaccine adjuvants. 2007 , 6, 835-47	60
1429 Immunological Tolerance. 2007 ,	
Chronic asthma-induced airway remodeling is prevented by toll-like receptor-7/8 ligand S28463. 2007 , 175, 1241-9	106
1427 The Biology of Dendritic Cells and HIV Infection. 2007 ,	2
142/ The Biology of Behavior ects and The infection: 2007,	
1426 MyD88 but not TLR2, 4 or 9 is essential for IL-12 induction by lactic acid bacteria. 2007 , 71, 3026-32	24
	24

1423	Tumors: too sweet to remember?. 2007 , 6, 78	11
1422	Pharmacological treatments for basal cell carcinoma. 2007 , 67, 915-34	24
1421	Tolerogenic dendritic cells and regulatory T cells: a two-way relationship. 2007 , 46, 159-67	117
1420	Breaking self-tolerance to tumor-associated antigens by in vivo manipulation of dendritic cells. 2007 , 380, 457-68	1
1419	Peripheral Tolerance of T Cells in the Mouse. 2007 , 223-242	1
1418	Expression and function of toll-like receptor-3 and -9 in human corneal myofibroblasts. 2007 , 48, 3069-76	29
1417	Enterocyte proliferation and apoptosis in the caudal small intestine is influenced by the composition of colonizing commensal bacteria in the neonatal gnotobiotic pig. 2007 , 85, 3256-66	97
1416	Immunosurveillance: Innate and Adaptive Antitumor Immunity. 2007 , 29-41	
1415	ST2 is essential for Th2 responsiveness and resistance to pseudomonas aeruginosa keratitis. 2007 , 48, 4626-33	47
1414	Gene expression in temporal lobe epilepsy is consistent with increased release of glutamate by astrocytes. 2007 , 13, 1-13	98
1413	Porphyromonas gingivalis interactions with complement receptor 3 (CR3): innate immunity or immune evasion?. 2007 , 12, 4547-57	32
1412	Toll-like receptors and chondrocytes: the lipopolysaccharide-induced decrease in cartilage matrix synthesis is dependent on the presence of toll-like receptor 4 and antagonized by bone morphogenetic protein 7. 2007 , 56, 1880-93	97
1411	Mast cell-expressed complement receptor, not TLR2, is the main detector of zymosan in peritonitis. 2007 , 37, 224-34	36
1410	TLR-mediated stimulation of APC: Distinct cytokine responses of B cells and dendritic cells. 2007 , 37, 3040-53	212
1409	A female-specific pentraxin, CrOctin, bridges pattern recognition receptors to bacterial phosphoethanolamine. 2007 , 37, 3477-88	7
1408	The activity of lipopeptide TLR2 agonists critically depends on the presence of solubilizers. 2007 , 37, 3489-98	8
1407	Apoptotic hepatocyte DNA inhibits hepatic stellate cell chemotaxis via toll-like receptor 9. 2007 , 46, 1509-18	186
1406	Synthesis of 町,4-di-d-mannuronic acid glycosides as potential ligands for toll-like receptors. 2007 , 48, 2915-2918	15

1405	Self/nonself discrimination at the basis of chordate evolution: limits on molecular conservation. 2007 , 19, 4-9		20
1404	Acute alcohol intoxication suppresses the pulmonary ELR-negative CXC chemokine response to lipopolysaccharide. 2007 , 41, 325-33		22
1403	Dysplasia: a review. 2007 , 42, 952-61		30
1402	The adaptor protein CARD9 is required for innate immune responses to intracellular pathogens. 2007 , 8, 198-205		306
1401	PDLIM2-mediated termination of transcription factor NF-kappaB activation by intranuclear sequestration and degradation of the p65 subunit. 2007 , 8, 584-91		228
1400	Toll-like receptor 4-dependent contribution of the immune system to anticancer chemotherapy and radiotherapy. 2007 , 13, 1050-9		2207
1399	IDO and regulatory T cells: a role for reverse signalling and non-canonical NF-kappaB activation. <i>Nature Reviews Immunology</i> , 2007 , 7, 817-23	36.5	354
1398	A polymorphism in human TLR2 is associated with increased susceptibility to tuberculous meningitis. 2007 , 8, 422-8		145
1397	Human keratinocytes express functional Toll-like receptor 3, 4, 5, and 9. 2007 , 127, 331-41		325
1396	Expression of Toll-like receptor 4 in rat liver during the course of carbon tetrachloride-induced liver injury. 2007 , 22, 862-9		17
1395	The role of innate immunity in asthma: leads and lessons from mouse models. 2007, 62, 579-90		45
1394	Anti-apoptotic signalling by the Dot/Icm secretion system of L. pneumophila. 2007, 9, 246-64		111
1393	Immune activation suppresses initiation of lytic Epstein-Barr virus infection. 2007 , 9, 2055-69		30
1392	MEKK3 is essential for lipopolysaccharide-induced interleukin-6 and granulocyte-macrophage colony-stimulating factor production in macrophages. 2007 , 120, 242-50		27
1391	Respiratory syncytial virus differentially activates murine myeloid and plasmacytoid dendritic cells. 2007 , 122, 65-72		36
1390	Toll-like receptors: key activators of leucocytes and regulator of haematopoiesis. 2007 , 139, 185-93		82
1389	Ageing and Toll-like receptor expression by innate immune cells in chronic human schistosomiasis. 2007 , 149, 274-84		17
1388	Rheumatic fever and rheumatic heart disease: genetics and pathogenesis. 2007 , 66, 199-207		82

1387	Toll-like receptor 2 -196 to 174del polymorphism influences the susceptibility of Japanese people to gastric cancer. 2007 , 98, 1790-4	111
1386	Toll-like receptor (TLR)-2 and TLR-4 regulate inflammation, gliosis, and myelin sparing after spinal cord injury. 2007 , 102, 37-50	229
1385	Innate immunity, macrophage activation, and atherosclerosis. 2007 , 219, 187-203	196
1384	Diabetic periodontitis: a model for activated innate immunity and impaired resolution of inflammation. 2007 , 43, 233-44	78
1383	Human variability in innate immunity. 2007 , 45, 14-34	57
1382	An oral Salmonella vaccine promotes the down-regulation of cell surface Toll-like receptor 4 (TLR4) and TLR2 expression in mice. 2007 , 50, 300-8	11
1381	Genetic polymorphisms of TLR3 are associated with Nasopharyngeal carcinoma risk in Cantonese population. 2007 , 7, 194	42
1380	Systems biology approach for mapping the response of human urothelial cells to infection by Enterococcus faecalis. 2007 , 8 Suppl 7, S2	6
1379	Regulatory pathways in inflammation. 2007 , 7, 8-11	27
1378	Expression of Toll-like receptor 4 in the basilar artery after experimental subarachnoid hemorrhage in rabbits: a preliminary study. 2007 , 1173, 110-6	35
1377	Synergism of Toll-like receptor-induced interleukin-12p70 secretion by monocyte-derived dendritic cells is mediated through p38 MAPK and lowers the threshold of T-helper cell type 1 responses. 2007 , 247, 72-84	80
1376	Effect of bacterial endotoxin LPS on expression of INF-gamma and IL-5 in T-lymphocytes from asthmatics. 2007 , 125, 194-204	25
1375	Vaccinia virus infection of mature dendritic cells results in activation of virus-specific nawe CD8+ T cells: a potential mechanism for direct presentation. 2007 , 359, 349-61	16
1374	Genetic regulation of rejection and survival following human lung transplantation by the innate immune receptor CD14. 2007 , 7, 693-9	60
1373	A cytokine-mediated link between innate immunity, inflammation, and cancer. 2007 , 117, 1175-83	1363
1372	Phylogenetic and expression analysis of amphibian Xenopus Toll-like receptors. 2007 , 59, 281-93	92
1371	Toll-like receptors in the skin. 2007 , 29, 15-26	112
1370	Expression of Toll-like receptor 4 in the brain in a rabbit experimental subarachnoid haemorrhage model. 2007 , 56, 93-7	32

1369	Peptide Mapping of a Functionally Versatile Fimbrial Adhesin from Porphyromonas gingivalis. 2007 , 13, 533-546	6
1368	Clostridium butyricum TO-A culture supernatant downregulates TLR4 in human colonic epithelial cells. 2007 , 52, 2963-71	26
1367	Disifin (sodium tosylchloramide) and Toll-like receptors (TLRs): evolving importance in health and diseases. 2007 , 34, 751-62	6
1366	Differences in yeast intolerance between patients with Crohn's disease and ulcerative colitis. 2007 , 50, 83-8	7
1365	The lack of genetic association of the Toll-like receptor 2 (TLR2) Arg753Gln and Arg677Trp polymorphisms with rheumatic heart disease. 2007 , 26, 915-9	16
1364	Obesity and inflammation: Should the principles of immunonutrition be applied to this disease process?. 2007 , 9, 305-308	7
1363	Antiphospholipid antibody effects on monocytes. 2007 , 9, 198-204	5
1362	The role of epithelial cells in the pathogenesis of Sjgren's syndrome. 2007 , 32, 225-30	62
1361	Exploiting dendritic cells for active immunotherapy of cancer and chronic infections. 2007, 36, 131-41	18
1360	Toll-like receptors: paving the path to T cell-driven autoimmunity?. 2007 , 19, 611-4	28
1359	Innate and adaptive immune responses to Listeria monocytogenes: a short overview. 2007, 9, 1208-15	144
1358	Innate immune responses of epididymal epithelial cells to Staphylococcus aureus infection. 2008 , 119, 84-90	30
1357	Role of MyD88 in TLR agonist-induced functional alterations of human adipose tissue-derived mesenchymal stem cells. 2008 , 317, 143-50	20
1356	Toll-like receptor 2 (TLR) -196 to 174del polymorphism in gastro-duodenal diseases in Japanese population. 2008 , 53, 919-24	27
1355	Bacterial pore-forming toxins: the (w)hole story?. 2008 , 65, 493-507	207
1354	Toll-like receptor 3 regulates Mx expression in rare minnow Gobiocypris rarus after viral infection. 2008 , 60, 195-205	44
1353	Nitrogen and oxygen molecules in meningitis-associated labyrinthitis and hearing impairment. 2008 , 36, 2-14	43
1352	Immune modulation: role of the inflammatory cytokine cascade in the failing human heart. 2008 , 5, 69-74	55

1351	Release of heat shock protein 70 and the effects of extracellular heat shock protein 70 on the production of IL-10 in fibroblast-like synoviocytes. 2008 , 13, 365-73	33
1350	The acylation and phosphorylation pattern of lipid A from Xanthomonas campestris strongly influence its ability to trigger the innate immune response in Arabidopsis. 2008 , 9, 896-904	49
1349	Endoplasmic reticulum stress and the unfolded protein response are linked to synergistic IFN-beta induction via X-box binding protein 1. 2008 , 38, 1194-203	257
1348	Engagement of Toll-like receptor 2 in mouse macrophages infected with Mycobacterium avium induces non-oxidative and TNF-independent anti-mycobacterial activity. 2008 , 38, 2180-9	30
1347	Lipopolysaccharide structures from Agrobacterium and Rhizobiaceae species. 2008 , 343, 1924-33	55
1346	Peptidoglycan and muropeptides from pathogens Agrobacterium and Xanthomonas elicit plant innate immunity: structure and activity. 2008 , 15, 438-48	113
1345	Toll-like receptors in skin. 2008 , 24, 71-87	169
1344	Immunology and genetics of type 1 diabetes. 2008 , 75, 314-27	40
1343	Intracellular pattern-recognition receptors. 2008, 60, 830-40	31
1342	Regulation of interleukin-12/interleukin-23 production and the T-helper 17 response in humans. 2008 , 226, 112-31	163
1341	Exosome function: from tumor immunology to pathogen biology. 2008 , 9, 871-81	576
1340	MyD88-independent activation of a novel actin-Cdc42/Rac pathway is required for Toll-like receptor-stimulated phagocytosis. 2008 , 18, 745-55	105
1339	The evolutionary history of the CD209 (DC-SIGN) family in humans and non-human primates. 2008 , 9, 483-92	34
1338	Induction of cytomegalovirus-infected labyrinthitis in newborn mice by lipopolysaccharide: a model for hearing loss in congenital CMV infection. 2008 , 88, 722-30	29
1337	The antiviral adaptor proteins Cardif and Trif are processed and inactivated by caspases. 2008 , 15, 1804-11	64
1336	Increased expression of Toll-like receptor (TLR) 2 and TLR4 in the colonic mucosa of children with inflammatory bowel disease. 2008 , 151, 34-41	134
1335	Treatment with glutamine is associated with down-regulation of Toll-like receptor-4 and myeloid differentiation factor 88 expression and decrease in intestinal mucosal injury caused by lipopolysaccharide endotoxaemia in a rat. 2008 , 151, 341-7	54
1334	TRIM30 alpha negatively regulates TLR-mediated NF-kappa B activation by targeting TAB2 and TAB3 for degradation. 2008 , 9, 369-77	204

1333	Nutrient sensing and inflammation in metabolic diseases. <i>Nature Reviews Immunology</i> , 2008 , 8, 923-34 36.5	729
1332	Teichoic acids and related cell-wall glycopolymers in Gram-positive physiology and host interactions. 2008 , 6, 276-87	520
1331	Interactions of tumor cells with dendritic cells: balancing immunity and tolerance. 2008, 15, 39-50	113
1330	Systematic expression profiling of innate immune genes defines a complex pattern of immunosenescence in peripheral and intestinal leukocytes. 2008 , 9, 103-14	27
1329	Nutritional Support for the Infant's Immune System. 2008 , 65, 347-360	37
1328	Ethanol mimics ligand-mediated activation and endocytosis of IL-1RI/TLR4 receptors via lipid rafts caveolae in astroglial cells. 2008 , 106, 625-39	79
1327	Altered pharmacology in the Intensive Care Unit patient. 2008 , 22, 493-501	24
1326	Plant peptides and peptidomics. 2008, 6, 105-34	95
1325	Muramylpeptide shedding modulates cell sensing of Shigella flexneri. 2008 , 10, 682-95	65
1324	Innate and adaptive autoimmunity in type 1 diabetes. 2008 , 9, 152-61	12
1323	In vitro allergen challenge of peripheral blood induces differential gene expression in mononuclear cells of asthmatic patients: inhibition of cytosolic phospholipase A2alpha overcomes the asthma-associated response. 2008 , 38, 1590-605	14
1322	Autoimmunity in atherosclerosis: a protective response losing control?. 2008, 263, 464-78	121
1321	Oxidation-specific epitopes are important targets of innate immunity. 2008 , 263, 479-88	135
1320	Treatment with apo B peptide vaccines inhibits atherosclerosis in human apo B-100 transgenic mice without inducing an increase in peptide-specific antibodies. 2008 , 264, 563-70	71
1319	Regulation of TREM expression in hepatic macrophages and endothelial cells during acute endotoxemia. 2008 , 84, 145-55	66
1318	MHC class II antigen presentation and immunological abnormalities due to deficiency of MHC class II and its associated genes. 2008 , 85, 40-4	28
1317	Priming by lipopolysaccharide exaggerates acute lung injury and mortality in responses to peptidoglycan through up-regulation of Toll-like receptor-2 expression in mice. 2008 , 75, 1065-75	13
1316	Lymphocytic choriomeningitis virus (LCMV) infection of CNS glial cells results in TLR2-MyD88/Mal-dependent inflammatory responses. 2008 , 194, 70-82	61

1315	Inflammatory reaction and implantation: the new entries PTX3 and D6. 2008, 29 Suppl B, 129-34	27
1314	The IRF family transcription factors in immunity and oncogenesis. 2008 , 26, 535-84	877
1313	Innate sensors of influenza virus: clues to developing better intranasal vaccines. 2008, 7, 1435-45	33
1312	Toll-like receptors 3 and 4 are expressed by human bone marrow-derived mesenchymal stem cells and can inhibit their T-cell modulatory activity by impairing Notch signaling. 2008 , 26, 279-89	380
1311	Aging and the Cardiovascular-Related Systems. 2008 , 181-205	
1310	Toll-like receptor signaling in small intestinal epithelium promotes B-cell recruitment and IgA production in lamina propria. 2008 , 135, 529-38	157
1309	Novel genes dramatically alter regulatory network topology in amphioxus. 2008 , 9, R123	33
1308	Obesity and free fatty acids. 2008 , 37, 635-46, viii-ix	507
1307	Biopharmaceutical Drug Design and Development. 2008,	1
	Cut missakista madulatian with a officers and ampicillin ashares always talescape in miss	
1306	Gut microbiota modulation with norfloxacin and ampicillin enhances glucose tolerance in mice. 2008 , 22, 2416-26	386
1306		386 9
	2008 , 22, 2416-26	
1305	TLR and MBL gene polymorphisms in severe acute pancreatitis. 2008, 12, 45-50 TLRs are important inflammatory factors in atherosclerosis and may be a therapeutic target. 2008,	9
1305 1304	TLR and MBL gene polymorphisms in severe acute pancreatitis. 2008, 12, 45-50 TLRs are important inflammatory factors in atherosclerosis and may be a therapeutic target. 2008, 70, 314-6 Identification of outer membrane protein ompR from rickettsia-like organism and induction of	9
1305 1304 1303	TLR and MBL gene polymorphisms in severe acute pancreatitis. 2008, 12, 45-50 TLRs are important inflammatory factors in atherosclerosis and may be a therapeutic target. 2008, 70, 314-6 Identification of outer membrane protein ompR from rickettsia-like organism and induction of immune response in Crassostrea ariakensis. 2008, 45, 3198-204	9 16 31
1305 1304 1303 1302	TLR and MBL gene polymorphisms in severe acute pancreatitis. 2008, 12, 45-50 TLRs are important inflammatory factors in atherosclerosis and may be a therapeutic target. 2008, 70, 314-6 Identification of outer membrane protein ompR from rickettsia-like organism and induction of immune response in Crassostrea ariakensis. 2008, 45, 3198-204 Immunogenicity of anthracyclines: moving towards more personalized medicine. 2008, 14, 141-51 Lactobacillus acidophilus strain L-92 induces apoptosis of antigen-stimulated T cells by modulating	9 16 31 91
1305 1304 1303 1302	TLR and MBL gene polymorphisms in severe acute pancreatitis. 2008, 12, 45-50 TLRs are important inflammatory factors in atherosclerosis and may be a therapeutic target. 2008, 70, 314-6 Identification of outer membrane protein ompR from rickettsia-like organism and induction of immune response in Crassostrea ariakensis. 2008, 45, 3198-204 Immunogenicity of anthracyclines: moving towards more personalized medicine. 2008, 14, 141-51 Lactobacillus acidophilus strain L-92 induces apoptosis of antigen-stimulated T cells by modulating dendritic cell function. 2008, 213, 399-408	9 16 31 91 32

1297	Aging and immune response in chronic human schistosomiasis. 2008 , 108, 124-30	9
1296	The phenotypical and functional characteristics of cord blood monocytes and CD14(-/low)/CD16(+) dendritic cells can be relevant to the development of cellular immune responses after transplantation. 2008 , 19, 55-63	15
1295	Gene expression profiling of porcine peripheral blood leukocytes after infection with Actinobacillus pleuropneumoniae. 2008 , 121, 260-74	12
1294	Construction and application of an avian intestinal intraepithelial lymphocyte cDNA microarray (AVIELA) for gene expression profiling during Eimeria maxima infection. 2008 , 124, 341-54	18
1293	Expression profile of toll like receptors in a range of water buffalo tissues (Bubalus bubalis). 2008 , 126, 149-55	30
1292	Genetic aspects of inflammation and cancer. 2008 , 410, 225-35	95
1291	Neuroprotective role of minocycline in co-cultures of human fetal neurons and microglia. 2008 , 211, 41-51	38
1290	Allergen immunotherapy with nanoparticles containing lipopolysaccharide from Brucella ovis. 2008 , 70, 711-7	26
1289	Intra-colonic administration of the TLR7 agonist R-848 induces an acute local and systemic inflammation in mice. 2008 , 367, 242-8	12
1288	Zebrafish as a model for infectious disease and immune function. 2008 , 25, 341-50	217
1287	The caspase-1 inflammasome: a pilot of innate immune responses. 2008 , 4, 198-208	179
1286	Expression of genes in normal human monocytes in response to Aspergillus fumigatus. 2008, 46, 327-36	14
1285	Clinical impact of cytokine and growth factor genetic polymorphisms in thoracic organ transplantation. 2008 , 28, 423-40, vi	17
1284	Toll-like receptor 4 gene polymorphisms and preeclampsia: lack of association in a Caucasian population. 2008 , 31, 859-64	26
1283	Differential regulation of interleukin 12 and interleukin 23 production in human dendritic cells. 2008 , 205, 1447-61	219
1282	Expression of cell surface receptors and oxidative metabolism modulation in the clinical continuum of sepsis. 2008 , 12, R25	64
1281	Forward genetic analysis of Toll-like receptor responses in wild-derived mice reveals a novel antiinflammatory role for IRAK1BP1. 2008 , 205, 305-14	24
1280	Systemic inflammation and end organ damage following trauma involves functional TLR4 signaling in both bone marrow-derived cells and parenchymal cells. 2008 , 83, 80-8	68

1279	Murine bactericidal/permeability-increasing protein inhibits the endotoxic activity of lipopolysaccharide and gram-negative bacteria. 2008 , 180, 7546-52	26
1278	CD4+ and CD8+ T cells exhibit differential requirements for CCR7-mediated antigen transport during influenza infection. 2008 , 181, 6984-94	31
1277	Increased endothelial expression of Toll-like receptor 2 at sites of disturbed blood flow exacerbates early atherogenic events. 2008 , 205, 373-83	171
1276	In vivo effects of insulin and free fatty acids on matrix metalloproteinases in rat aorta. 2008 , 57, 476-83	38
1275	Elevated toll-like receptor 4 expression and signaling in muscle from insulin-resistant subjects. 2008 , 57, 2595-602	279
1274	Campylobacter-induced interleukin-8 secretion in polarized human intestinal epithelial cells requires Campylobacter-secreted cytolethal distending toxin- and Toll-like receptor-mediated activation of NF-kappaB. 2008 , 76, 4498-508	100
1273	Bacteria in the intestine, helpful residents or enemies from within?. 2008 , 76, 3360-73	120
1272	TLR signaling pathway in patients with sepsis. 2008 , 30 Suppl 1, 73-7	90
1271	Altered secretory leukocyte protease inhibitor expression in the uterine decidua of tubal compared with intrauterine pregnancy. 2008 , 23, 1485-90	9
1270	Toll like receptor - potential drug targets in infectious disease. 2008 , 8, 221-31	4
1269	Toll-like receptor 4 is involved in subacute stress-induced neuroinflammation and in the worsening of experimental stroke. 2008 , 39, 1314-20	150
1268	The role of neutrophils and monocytes in innate immunity. 2008 , 15, 118-146	91
1267	Direct binding of human NK cell natural cytotoxicity receptor NKp44 to the surfaces of mycobacteria and other bacteria. 2008 , 76, 1719-27	114
1266	Essential involvement of CX3CR1-mediated signals in the bactericidal host defense during septic peritonitis. 2008 , 181, 4208-18	50
1265	The vitamin D3/Hox-A10 pathway supports MafB function during the monocyte differentiation of human CD34+ hemopoietic progenitors. 2008 , 181, 5660-72	24
1264	CpG drives human transitional B cells to terminal differentiation and production of natural antibodies. 2008 , 180, 800-8	181
1263	Pathogen induction of CXCR4/TLR2 cross-talk impairs host defense function. 2008, 105, 13532-7	142
1262	Interleukin-1 receptor-associated kinase (IRAK) -1-mediated NF-kappaB activation requires cytosolic and nuclear activity. 2008 , 22, 2285-96	47

(2008-2008)

1261	Listeria monocytogenes multidrug resistance transporters activate a cytosolic surveillance pathway of innate immunity. 2008 , 105, 10191-6	89
1260	Gut decontamination with norfloxacin and ampicillin enhances insulin sensitivity in mice. 2008 , 62, 127-37; discussion 137-40	42
1259	Genetic association and expression studies indicate a role of toll-like receptor 8 in pulmonary tuberculosis. 2008 , 4, e1000218	193
1258	Deficiency of mitogen-activated protein kinase phosphatase-1 results in iNOS-mediated hypotension in response to low-dose endotoxin. 2008 , 294, H1621-9	12
1257	Regulation of STAT pathways and IRF1 during human dendritic cell maturation by TNF-alpha and PGE2. 2008 , 84, 1353-60	19
1256	Monocyte toll-like receptor 2 and 4 responses and expression following percutaneous coronary intervention: association with lesion stenosis and fractional flow reserve. 2008 , 94, 770-6	45
1255	Distinct TLR- and NLR-mediated transcriptional responses to an intracellular pathogen. 2008, 4, e6	175
1254	A calculated response: control of inflammation by the innate immune system. 2008 , 118, 413-20	300
1253	TLR2-dependent MyD88 signaling contributes to early host defense in murine Enterococcus faecium peritonitis. 2008 , 180, 4865-74	47
1252	CD45 regulates TLR-induced proinflammatory cytokine and IFN-beta secretion in dendritic cells. 2008 , 180, 8020-9	26
1251	Toll-like receptor 9 inhibition reduces mortality in polymicrobial sepsis. 2008, 205, 1277-83	107
1250	Toll-like receptor 2 recognition of the microsporidia Encephalitozoon spp. induces nuclear translocation of NF-kappaB and subsequent inflammatory responses. 2008 , 76, 4737-44	26
1249	Acetylation of mitogen-activated protein kinase phosphatase-1 inhibits Toll-like receptor signaling. 2008 , 205, 1491-503	160
1248	Epithelial genes in chronic rhinosinusitis with and without nasal polyps. 2008 , 22, 228-34	63
1247	Trypanosoma cruzi induces regulatory dendritic cells in vitro. 2008 , 76, 2633-41	52
1246	Transcriptional changes induced by bovine papillomavirus type 1 in equine fibroblasts. 2008 , 82, 6481-91	24
1245	Critical involvement of pneumolysin in production of interleukin-1alpha and caspase-1-dependent cytokines in infection with Streptococcus pneumoniae in vitro: a novel function of pneumolysin in caspase-1 activation. 2008 , 76, 1547-57	69
1244	PKR regulates TLR2/TLR4-dependent signaling in murine alveolar macrophages. 2008 , 38, 26-31	62

1243	Garlic (Allium sativum) extract inhibits lipopolysaccharide-induced Toll-like receptor 4 dimerization. 2008 , 72, 368-75	37
1242	Immunologic responses in vascularized and nonvascularized skin allografts. 2008 , 24, 497-505	9
1241	Modulation of the inflammatory response to Streptococcus pneumoniae in a model of acute lung tissue infection. 2008 , 39, 522-9	48
1240	Genetic susceptibility to atopic dermatitis. 2008 , 57, 39-56	49
1239	Suppressive effects of the flavonoids quercetin and luteolin on the accumulation of lipid rafts after signal transduction via receptors. 2008 , 30, 867-82	28
1238	Progress in allergy signal research on mast cells: regulation of allergic airway inflammation through toll-like receptor 4-mediated modification of mast cell function. 2008 , 106, 332-5	21
1237	Inflammation as therapeutic objective in stroke. 2008 , 14, 3549-64	64
1236	Natural antibodies in murine atherosclerosis. 2008 , 9, 190-5	40
1235	Frequencies of genetic polymorphisms of TLR4 and CD14 and of HLA-DQ genotypes in children with celiac disease, type 1 diabetes mellitus, or both. 2008 , 47, 283-7	22
1234	Toll-like receptors and intestinal epithelial repair. 2008 , 24, 103-7	19
1233	Triggering of toll-like receptors 2 and 4 by Aspergillus fumigatus conidia in immortalized human corneal epithelial cells to induce inflammatory cytokines. 2008 , 121, 450-454	15
1232	Supernatant from bifidobacterium differentially modulates transduction signaling pathways for biological functions of human dendritic cells. 2008 , 3, e2753	58
1231	Association of interacting genes in the toll-like receptor signaling pathway and the antibody response to pertussis vaccination. 2008 , 3, e3665	41
1230	Role of Toll like receptor signaling pathway in ischemic coronary artery disease. 2008 , 13, 6708-15	28
1229	Polymorphisms of toll like receptors in the genetics of severe RSV associated diseases. 2008 , 25, 59-65	31
1228	Novel mutations in the toll like receptor genes cause hyporesponsiveness to Mycobacterium avium subsp. paratuberculosis infection. 2008 ,	
1227	Toll-like receptor family in domestic animal species. 2008 , 28, 513-38	16
1226	Antigen-presenting cells and antigen presentation. 2008 , 103-111	

1225	Toll-like receptor 9 agonist inhibits ERalpha-mediated transactivation by activating NF-kappaB in breast cancer cell lines. 2009 , 22, 935-41	13
1224	[Association of Toll-like receptor gene with Crohn's disease in Koreans]. 2009 , 54, 377-83	3
1223	Expression and Function of TLR2 on CD4 Versus CD8 T Cells. 2009 , 9, 127-32	18
1222	Transplanted oligodendrocyte precursor cells reduce neurodegeneration in a model of glaucoma. 2009 , 50, 4244-53	66
1221	Animal models of sepsis and sepsis-induced kidney injury. 2009 , 119, 2868-78	377
1220	Immunotherapeutic Potential of CpG Oligonucleotides in Chickens. 2009 , 46, 69-80	6
1219	Inhibitors of MyD88-dependent proinflammatory cytokine production identified utilizing a novel RNA interference screening approach. 2009 , 4, e7029	4
1218	The role of Tec family kinases in mononuclear phagocytes. 2009 , 29, 317-33	38
1217	Signal Transduction Changes in fMLP, TLRs, TREM-1 and GM-CSF Receptors in PMN with Aging. 2009 , 457-474	1
1216	Vibrio vulnificus: disease and pathogenesis. 2009 , 77, 1723-33	469
1216	Vibrio vulnificus: disease and pathogenesis. 2009 , 77, 1723-33 HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009 , 284, 17998-8006	469 21
	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1.	
1215	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009, 284, 17998-8006 Calcineurin inactivation leads to decreased responsiveness to LPS in macrophages and dendritic	21
1215 1214	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009, 284, 17998-8006 Calcineurin inactivation leads to decreased responsiveness to LPS in macrophages and dendritic cells and protects against LPS-induced toxicity in vivo. 2009, 15, 109-20 miR-147, a microRNA that is induced upon Toll-like receptor stimulation, regulates murine	21
1215 1214 1213	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009, 284, 17998-8006 Calcineurin inactivation leads to decreased responsiveness to LPS in macrophages and dendritic cells and protects against LPS-induced toxicity in vivo. 2009, 15, 109-20 miR-147, a microRNA that is induced upon Toll-like receptor stimulation, regulates murine macrophage inflammatory responses. 2009, 106, 15819-24 MR1 antigen presentation to mucosal-associated invariant T cells was highly conserved in	21 43 339
1215 1214 1213 1212	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009, 284, 17998-8006 Calcineurin inactivation leads to decreased responsiveness to LPS in macrophages and dendritic cells and protects against LPS-induced toxicity in vivo. 2009, 15, 109-20 miR-147, a microRNA that is induced upon Toll-like receptor stimulation, regulates murine macrophage inflammatory responses. 2009, 106, 15819-24 MR1 antigen presentation to mucosal-associated invariant T cells was highly conserved in evolution. 2009, 106, 8290-5 Modulation of TLR signaling by multiple MyD88-interacting partners including leucine-rich repeat	21 43 339 130
1215 1214 1213 1212	HSCARG regulates NF-kappaB activation by promoting the ubiquitination of RelA or COMMD1. 2009, 284, 17998-8006 Calcineurin inactivation leads to decreased responsiveness to LPS in macrophages and dendritic cells and protects against LPS-induced toxicity in vivo. 2009, 15, 109-20 miR-147, a microRNA that is induced upon Toll-like receptor stimulation, regulates murine macrophage inflammatory responses. 2009, 106, 15819-24 MR1 antigen presentation to mucosal-associated invariant T cells was highly conserved in evolution. 2009, 106, 8290-5 Modulation of TLR signaling by multiple MyD88-interacting partners including leucine-rich repeat Fli-l-interacting proteins. 2009, 182, 3450-60 Discrete domains of MARCH1 mediate its localization, functional interactions, and	21 43 339 130 62

1207	Transcriptional regulation of the novel Toll-like receptor Tlr13. 2009 , 284, 20540-7	24
1206	Pathogenesis of steroid-resistant airway hyperresponsiveness: interaction between IFN-gamma and TLR4/MyD88 pathways. 2009 , 182, 5107-15	68
1205	Cysteinyl-leukotriene receptor type 1 expression and function is down-regulated during monocyte-derived dendritic cell maturation with zymosan: involvement of IL-10 and prostaglandins. 2009 , 183, 6778-87	14
1204	Signaling pathways of the TREM-1- and TLR4-mediated neutrophil oxidative burst. 2009 , 1, 582-91	28
1203	TLR4-mediated induction of TLR2 signaling is critical in the pathogenesis and resolution of otitis media. 2009 , 15, 205-15	62
1202	TLR triggering on tolerogenic dendritic cells results in TLR2 up-regulation and a reduced proinflammatory immune program. 2009 , 183, 2984-94	81
1201	The adaptor molecule MyD88 directly promotes CD8 T cell responses to vaccinia virus. 2009 , 182, 6278-86	48
1200	IDO mediates TLR9-driven protection from experimental autoimmune diabetes. 2009 , 183, 6303-12	96
1199	Toll-like receptors in Alzheimer's disease. 2009 , 336, 137-53	126
1198	Distinct roles for MyD88 and Toll-like receptor 2 during Leishmania braziliensis infection in mice. 2009 , 77, 2948-56	70
1197	Antagonism of microRNA-126 suppresses the effector function of TH2 cells and the development of allergic airways disease. 2009 , 106, 18704-9	360
1196	Polyanionic microbicides modify Toll-like receptor-mediated cervicovaginal immune responses. 2009 , 53, 1490-500	36
1195	Anionic pulmonary surfactant phospholipids inhibit inflammatory responses from alveolar macrophages and U937 cells by binding the lipopolysaccharide-interacting proteins CD14 and MD-2. 2009 , 284, 25488-500	112
1194	CD4+ T cells have a key instructive role in educating dendritic cells in allergy. 2009 , 149, 1-15	6
1193	Molecular aspects of Moraxella catarrhalis pathogenesis. 2009 , 73, 389-406, Table of Contents	69
1192	Role of cytokines in the pathophysiology of acute-on-chronic liver failure. 2009 , 28, 331-41	35
1191	Mucosal vaccine using CTL epitope-pulsed dendritic cell confers protection for intracellular pathogen. 2009 , 41, 440-8	9
1190	MyD88 intrinsically regulates CD4 T-cell responses. 2009 , 83, 1625-34	39

1189	Lipopolysaccharide induces IL-6 production in respiratory syncytial virus-infected airway epithelial cells through the toll-like receptor 4 signaling pathway. 2009 , 65, 156-62	39
1188	NFkB inhibitors: strategies from poxviruses. 2009 , 8, 3125-32	74
1187	Gram-negative bacterial sensors for eukaryotic signal molecules. 2009 , 9, 6967-90	42
1186	Toll-like receptor signaling: a critical modulator of cell survival and ischemic injury in the heart. 2009 , 296, H1-12	226
1185	Selective inhibition of type III secretion activated signaling by the Salmonella effector AvrA. 2009 , 5, e1000595	86
1184	Colonic bacterial translocation as a possible factor in stress-worsening experimental stroke outcome. 2009 , 296, R979-85	47
1183	Extracardiac approaches to protecting the heart. 2009 , 35, 651-7	10
1182	Toll-like receptor 4 (TLR4) and typhoid fever in Vietnam. 2009 , 4, e4800	12
1181	A novel regulatory B-cell population in sheep Peyer's patches spontaneously secretes IL-10 and downregulates TLR9-induced IFNalpha responses. 2009 , 2, 265-75	22
1180	The role of Toll-like receptor pathways in the mechanism of type 1 diabetes. 2009 , 9, 52-68	62
1179	Tetraacylated lipopolysaccharide of Yersinia pestis can inhibit multiple Toll-like receptor-mediated signaling pathways in human dendritic cells. 2009 , 200, 1694-702	23
1178	Induction of distinct TLR2-mediated proinflammatory and proadhesive signaling pathways in response to Porphyromonas gingivalis fimbriae. 2009 , 182, 6690-6	68
1177	Innate immune signals modulate antiviral and polyreactive antibody responses during severe respiratory syncytial virus infection. 2009 , 199, 1128-38	46
1176	Activation of TLR4-mediated NFkappaB signaling in hemorrhagic brain in rats. 2009 , 2009, 473276	61
1175	Salmonella Typhimurium type III secretion effectors stimulate innate immune responses in cultured epithelial cells. 2009 , 5, e1000538	149
1174	TPL-2 negatively regulates interferon-beta production in macrophages and myeloid dendritic cells. 2009 , 206, 1863-71	134
1173	Mapping of a microbial protein domain involved in binding and activation of the TLR2/TLR1 heterodimer. 2009 , 182, 2978-85	35
1172	CD 4+ T cells in the pathobiology of neurodegenerative disorders. 2009 , 211, 3-15	44

1171	Improved transfection of spleen-derived antigen-presenting cells in culture using TATp-liposomes. 2009 , 134, 41-6	36
1170	The toll-Like receptor adaptor TRIF contributes to otitis media pathogenesis and recovery. 2009 , 10, 45	27
1169	Reduced ligand affinity leads to an impaired function of the adenosine A2A receptor of human granulocytes in sepsis. 2009 , 13, 985-94	17
1168	Gene expression profiling of the host response to Mycobacterium bovis infection in cattle. 2009 , 56, 204-14	24
1167	Endogenous signals initiating inflammation in the injured nervous system. 2009 , 57, 351-61	57
1166	Regulation of macrophage activation and septic shock susceptibility via p21(WAF1/CIP1). 2009, 39, 810-9	46
1165	Induction of adaptive immunity by flagellin does not require robust activation of innate immunity. 2009 , 39, 359-71	54
1164	Profiles of carbohydrate ligands associated with adsorbed proteins on self-assembled monolayers of defined chemistries. 2010 , 92, 1329-42	10
1163	Dendritic cell responses to self-assembled monolayers of defined chemistries. 2010 , 92, 1487-99	11
1162	Immune manipulation of advanced breast cancer: an interpretative model of the relationship between immune system and tumor cell biology. 2009 , 29, 436-71	27
1161	A putative leucine-rich repeat receptor kinase, OsBRR1, is involved in rice blast resistance. 2009 , 230, 377-85	24
1160	What determines the success or failure of intracellular cutaneous parasites? Lessons learned from leishmaniasis. 2009 , 198, 137-46	21
1159	Innate immunity and myocardial adaptation to ischemia. 2009 , 104, 22-32	36
1158	Progesterone inhibits Toll-like receptor 4-mediated innate immune response in macrophages by suppressing NF-kappaB activation and enhancing SOCS1 expression. 2009 , 125, 151-5	87
1157	Effects of trefoil peptide 3 on expression of TNF-alpha, TLR4, and NF-kappaB in trinitrobenzene sulphonic acid induced colitis mice. 2009 , 32, 120-9	40
1156	Increased expression of Toll-like receptors 4 and 9 in human lung cancer. 2009 , 36, 1475-81	69
1155	Costunolide inhibits cyclooxygenase-2 expression induced by toll-like receptor 3 or 4 agonist. 2009 , 1, 122-126	19
1154	RBL-2H3 cells are an imprecise model for mast cell mediator release. 2009 , 58, 611-8	85

1153	NK1.1+ cells mediate the antitumor effects of a dual Toll-like receptor 7/8 agonist in the disseminated B16-F10 melanoma model. 2009 , 58, 575-87	24
1152	Novel mutations in TLR genes cause hyporesponsiveness to Mycobacterium avium subsp. paratuberculosis infection. 2009 , 10, 21	37
1151	The scavenger receptor MARCO is involved in Leishmania major infection by CBA/J macrophages. 2009 , 31, 188-98	18
1150	Natural immunity has significant impact on immune responses against cancer. 2009 , 69, 275-90	8
1149	Role of TLR4 for paclitaxel chemotherapy in human epithelial ovarian cancer cells. 2009, 39, 157-64	58
1148	Vaccines modulating lipoprotein autoimmunity as a possible future therapy for cardiovascular disease. 2009 , 266, 221-31	32
1147	Toll-like receptor 4 genetic diversity among pig populations. 2009 , 40, 289-99	19
1146	Improved outcome of hematopoietic SCT in patients with homozygous gene variant of Toll-like receptor 9. 2009 , 44, 295-302	28
1145	Lack of antibody affinity maturation due to poor Toll-like receptor stimulation leads to enhanced respiratory syncytial virus disease. 2009 , 15, 34-41	353
1144	Activation of the NLRP3 inflammasome in dendritic cells induces IL-1beta-dependent adaptive immunity against tumors. 2009 , 15, 1170-8	1284
1144		1284
1143	immunity against tumors. 2009, 15, 1170-8 Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic	
1143	immunity against tumors. 2009, 15, 1170-8 Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21	48
1143	Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21 Modulation of host immune responses by helminth glycans. 2009, 230, 247-57	48
1143 1142 1141	Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21 Modulation of host immune responses by helminth glycans. 2009, 230, 247-57	48 311 73
1143 1142 1141 1140	immunity against tumors. 2009, 15, 1170-8 Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21 Modulation of host immune responses by helminth glycans. 2009, 230, 247-57 Toll gates to periodontal host modulation and vaccine therapy. 2009, 51, 181-207 Strategic localization of toll-like receptor 4 in the digestive tract of blunt snout bream	48 311 73 26
1143 1142 1141 1140	immunity against tumors. 2009, 15, 1170-8 Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21 Modulation of host immune responses by helminth glycans. 2009, 230, 247-57 Toll gates to periodontal host modulation and vaccine therapy. 2009, 51, 181-207 Strategic localization of toll-like receptor 4 in the digestive tract of blunt snout bream (Megalobrama amblycephala). 2009, 38, 401-5 Imiquimod, a toll-like receptor 7 ligand, inhibits airway remodelling in a murine model of chronic	48 311 73 26
1143 1142 1141 1140 1139	immunity against tumors. 2009, 15, 1170-8 Salmonella disrupts lymph node architecture by TLR4-mediated suppression of homeostatic chemokines. 2009, 15, 1259-65 Mannose-binding lectin and innate immunity. 2009, 230, 9-21 Modulation of host immune responses by helminth glycans. 2009, 230, 247-57 Toll gates to periodontal host modulation and vaccine therapy. 2009, 51, 181-207 Strategic localization of toll-like receptor 4 in the digestive tract of blunt snout bream (Megalobrama amblycephala). 2009, 38, 401-5 Imiquimod, a toll-like receptor 7 ligand, inhibits airway remodelling in a murine model of chronic asthma. 2009, 36, 43-8 Dysfunctional innate immune responsiveness to Porphyromonas gingivalis lipopolysaccharide in	48 311 73 26 3

1135	Human TLR3 recognizes dengue virus and modulates viral replication in vitro. 2009, 11, 604-15	147
1134	Intracellular life of Coxiella burnetii in macrophages. 2009 , 1166, 55-66	30
1133	Toll-like receptor 4 is involved in neuroprotection afforded by ischemic preconditioning. 2009 , 109, 287-94	99
1132	Natural antibodies and cancer. 2009 , 25, 294-8	80
1131	Enhancing the therapeutic efficacy of CpG oligonucleotides using biodegradable microparticles. 2009 , 61, 218-25	69
1130	Evolution of adaptive immunity. 2009 , 36, 107-116	3
1129	A type I-secreted, sulfated peptide triggers XA21-mediated innate immunity. 2009 , 326, 850-3	220
1128	Heat-treated Lactobacillus crispatus KT strains reduce allergic symptoms in mice. 2009 , 57, 5586-90	28
1127	Monocytes are major players in the prognosis and risk of infection after acute stroke. 2009 , 40, 1262-8	137
1126	Innate immune response in rainbow trout (Oncorhynchus mykiss) against primary and secondary infections with Yersinia ruckeri O1. 2009 , 33, 35-45	113
1125	Evidence of high individual diversity on myticin C in mussel (Mytilus galloprovincialis). 2009 , 33, 162-70	52
1124	The in vitro and in ovo responses of chickens to TLR9 subfamily ligands. 2009 , 33, 660-7	29
1123	Current prospects for mRNA gene delivery. 2009 , 71, 484-9	149
1122	Gene expression changes in normal haematopoietic cells. 2009 , 22, 249-69	
1121	Simvastatin reduces secondary brain injury caused by cortical contusion in rats: possible involvement of TLR4/NF-kappaB pathway. 2009 , 216, 398-406	107
1120	Expression of phospholipases A2 in primary human lung macrophages: role of cytosolic phospholipase A2-alpha in arachidonic acid release and platelet activating factor synthesis. 2009 , 1791, 92-102	27
1119	In vivo profile of the human leukocyte microRNA response to endotoxemia. 2009, 380, 437-41	94
1118	[Multifactorial etiology and pathogenic factors in inflammatory bowel disease]. 2009 , 32, 633-52	2

1117	Association between Toll-like receptors 4 and 2 gene polymorphisms with chronic allograft nephropathy in Turkish children. 2009 , 41, 1589-93	9
1116	TLR9 agonist, but not TLR7/8, functions as an adjuvant to diminish FI-RSV vaccine-enhanced disease, while either agonist used as therapy during primary RSV infection increases disease severity. 2009 , 27, 3045-52	45
1115	Expression of porcine Toll-like receptor 2, 4 and 9 gene transcripts in the presence of lipopolysaccharide and Salmonella enterica serovars Typhimurium and Choleraesuis. 2009 , 130, 96-101	28
1114	Kupffer cells in non-alcoholic fatty liver disease: the emerging view. 2009 , 51, 212-23	340
1113	Transcriptional integration of TLR2 and TLR4 signaling at the NCoR derepression checkpoint. 2009 , 35, 48-57	86
1112	Cultured human melanocytes express functional toll-like receptors 2-4, 7 and 9. 2009 , 56, 113-20	69
1111	The role of memory B cells in immunity after vaccination. 2009 , 19, S160-S162	3
1110	Identification of two distinct macrophage subsets with divergent effects causing either neurotoxicity or regeneration in the injured mouse spinal cord. 2009 , 29, 13435-44	1523
1109	Inflammatory and neuroimmunomodulatory changes in acute cerebral ischemia. 2009, 27 Suppl 1, 48-64	91
1108	Natural human immunoglobulins in cancer immunotherapy. 2009 , 1, 241-8	20
1107	Immune interventions of human diseases through toll-like receptors. 2009 , 655, 63-80	9
1106	Inflammation enhances myeloid-derived suppressor cell cross-talk by signaling through Toll-like receptor 4. 2009 , 85, 996-1004	189
1105	Epidemiology of asthma: risk factors for development. 2009 , 5, 77-95	34
1104	Dendritic cell immunotherapy for HIV infection: from theory to reality. 2009 , 1, 1039-51	4
1103	Toll-like receptors: methods and protocols.Preface. 2009 , 517, v-vi	
1102	Interleukin 5 in the link between the innate and acquired immune response. 2009 , 101, 191-236	80
1101	Lipotoxicity in nonalcoholic fatty liver disease: not all lipids are created equal. 2009, 3, 445-51	257
1100	Toll-like Receptors: Roles in Infection and Neuropathology. 2009 ,	3

1099	CD14 and toll-like receptors 2 and 4 are required for fibrillar A{beta}-stimulated microglial activation. 2009 , 29, 11982-92	409
1098	Bacillus Calmette-Guerin immunotherapy for urothelial carcinoma of the bladder. 2009 , 1, 281-8	62
1097	Toll-like receptors in peripheral nerve injury and neuropathic pain. 2009 , 336, 169-86	18
1096	Transcriptome profiling and functional analyses of the zebrafish embryonic innate immune response to Salmonella infection. 2009 , 182, 5641-53	172
1095	Interactions of Burkholderia cenocepacia and other Burkholderia cepacia complex bacteria with epithelial and phagocytic cells. 2009 , 155, 2809-2817	48
1094	Soy phosphatidylcholine inhibited TLR4-mediated MCP-1 expression in vascular cells. 2009 , 205, 404-12	41
1093	Function of C/EBPdelta in a regulatory circuit that discriminates between transient and persistent TLR4-induced signals. 2009 , 10, 437-43	224
1092	Helminth antigens modulate immune responses in cells from multiple sclerosis patients through TLR2-dependent mechanisms. 2009 , 183, 5999-6012	88
1091	Flore intestinale et maladies mtaboliques: Intestinal microflora and metabolic diseases. 2009 , 3, 159-164	
1090	Bacterial mucosa cross-talk and pathophysiology of inflammation. 2009 , 48 Suppl 2, S49-51	3
	Bacterial mucosa cross-talk and pathophysiology of inflammation. 2009 , 48 Suppl 2, S49-51 Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009 , 20, 1007-12	3
1089	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009 , 20, 1007-12 Toll-like receptor 2 and 4 response and expression on monocytes decrease rapidly in patients	8
1089	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009 , 20, 1007-12 Toll-like receptor 2 and 4 response and expression on monocytes decrease rapidly in patients undergoing arterial surgery and are related to preoperative smoking. 2009 , 31, 21-7	8 23
1089 1088 1087	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009, 20, 1007-12 Toll-like receptor 2 and 4 response and expression on monocytes decrease rapidly in patients undergoing arterial surgery and are related to preoperative smoking. 2009, 31, 21-7 Targeting Toll-like receptors in autoimmunity. 2009, 10, 1139-55 Tetrandrine increased the survival rate of mice with lipopolysaccharide-induced endotoxemia. 2009	8 23 35
1089 1088 1087	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009, 20, 1007-12 Toll-like receptor 2 and 4 response and expression on monocytes decrease rapidly in patients undergoing arterial surgery and are related to preoperative smoking. 2009, 31, 21-7 Targeting Toll-like receptors in autoimmunity. 2009, 10, 1139-55 Tetrandrine increased the survival rate of mice with lipopolysaccharide-induced endotoxemia. 2009, 66, 411-7	8 23 35 8
1089 1088 1087 1086	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. 2009, 20, 1007-12 Toll-like receptor 2 and 4 response and expression on monocytes decrease rapidly in patients undergoing arterial surgery and are related to preoperative smoking. 2009, 31, 21-7 Targeting Toll-like receptors in autoimmunity. 2009, 10, 1139-55 Tetrandrine increased the survival rate of mice with lipopolysaccharide-induced endotoxemia. 2009, 66, 411-7 Pathogenic perspectives for the role of inflammation in diabetic nephropathy. 2009, 116, 479-92 Toll-like receptor 4 in lymphatic endothelial cells contributes to LPS-induced lymphangiogenesis by	8 23 35 8 140

1081 Innate Immunity, Toll-Like Receptors, and Diabetes. 2009, 5, 111-121 2 1080 Effect of a novel anatomically shaped endotracheal tube on intubation-related injury. 2010, 136, 54-9 24 1079 Toll-like receptor 2 plays a critical role in cardiac dysfunction during polymicrobial sepsis. 2010, 38, 1335-42 63 Inflammatory signaling in skeletal muscle insulin resistance: green signal for nutritional 1078 21 intervention?. 2010, 13, 647-55 1077 Activation of innate host defense mechanisms by Borrelia. 2010, 21, 7-18 47 1076 Early life: gut microbiota and immune development in infancy. 2010, 1, 367-82 184 TAK1 targeting by glucocorticoids determines JNK and IkappaB regulation in Toll-like 1075 44 receptor-stimulated macrophages. 2010, 115, 1921-31 MyD88-dependent TLR4 signaling is selectively impaired in alveolar macrophages from 1074 29 asymptomatic HIV+ persons. 2010, 115, 3606-15 Inhibitory effect of heat-killed Lactobacillus strain on immunoglobulin E-mediated degranulation 1073 14 and late-phase immune reactions of mouse bone marrow-derived mast cells. 2010, 81, 714-21 1072 Macrophages, inflammation, and insulin resistance. 2010, 72, 219-46 1904 1071 Regulation of immunity and oncogenesis by the IRF transcription factor family. 2010, 59, 489-510 212 Toll-like receptor 2-deficient mice are protected from insulin resistance and beta cell dysfunction 1070 172 induced by a high-fat diet. **2010**, 53, 1795-806 Genetic control of the B cell response to LPS: opposing effects in peritoneal versus splenic B cell 1069 6 populations. 2010, 62, 41-8 1068 Domain architecture evolution of pattern-recognition receptors. 2010, 62, 263-72 58 Association between Toll-like receptor 2 (TLR2) polymorphisms and asymptomatic bancroftian 1067 35 filariasis. 2010, 107, 807-16 1066 Update on the role of Toll-like receptors during bacterial infections and sepsis. **2010**, 160, 107-11 23 Cot/Tpl2 regulates IL-23 p19 expression in LPS-stimulated macrophages through ERK activation. 1065 14 2010, 66, 47-53 1064 Positive selection signatures in the TLR7 family. **2010**, 32, 143-150 6

1063	TLR, NLR Agonists, and Other Immune Modulators as Infectious Disease Vaccine Adjuvants. 2010 , 12, 4-12	44
1062	Toll-like receptor expression on peripheral blood mononuclear cells in asthmatics; implications for asthma management. 2010 , 30, 459-64	23
1061	Advances in transcutaneous vaccine delivery: do all ways lead to Rome?. 2010 , 148, 266-82	155
1060	Intrauterine infection/inflammation and perinatal brain damage: role of glial cells and Toll-like receptor signaling. 2010 , 229, 16-25	37
1059	Gene transcription of TLR2, TLR4, LPS ligands and prostaglandin synthesis enzymes are up-regulated in canine uteri with cystic endometrial hyperplasia-pyometra complex. 2010 , 84, 66-74	49
1058	Ligation of the BT3 molecules, members of the B7 family, enhance the proinflammatory responses of human monocytes and monocyte-derived dendritic cells. 2010 , 48, 109-18	16
1057	The inflammatory status of the elderly: the intestinal contribution. 2010 , 690, 50-6	83
1056	Toll-like receptor-3 as a target to enhance bioactivity of cancer immunotherapy. 2010 , 202, 608.e1-8	16
1055	Pathogenesis of giant cell arteritis: More than just an inflammatory condition?. 2010 , 9, 635-45	88
1054	Astrocyte dysfunction in epilepsy. 2010 , 63, 212-21	186
1054	Astrocyte dysfunction in epilepsy. 2010 , 63, 212-21 Innate immune signals in atherosclerosis. 2010 , 134, 5-24	186
1053	Innate immune signals in atherosclerosis. 2010 , 134, 5-24 Increased nucleolar localization of SpiA3G in classically but not alternatively activated	137
1053 1052 1051	Innate immune signals in atherosclerosis. 2010 , 134, 5-24 Increased nucleolar localization of SpiA3G in classically but not alternatively activated macrophages. 2010 , 584, 2201-6 Expression of Toll-like receptor 9 in bone marrow cells of myelodysplastic syndromes is	137
1053 1052 1051	Innate immune signals in atherosclerosis. 2010 , 134, 5-24 Increased nucleolar localization of SpiA3G in classically but not alternatively activated macrophages. 2010 , 584, 2201-6 Expression of Toll-like receptor 9 in bone marrow cells of myelodysplastic syndromes is down-regulated during transformation to overt leukemia. 2010 , 88, 293-8	137 9 23
1053 1052 1051 1050	Innate immune signals in atherosclerosis. 2010, 134, 5-24 Increased nucleolar localization of SpiA3G in classically but not alternatively activated macrophages. 2010, 584, 2201-6 Expression of Toll-like receptor 9 in bone marrow cells of myelodysplastic syndromes is down-regulated during transformation to overt leukemia. 2010, 88, 293-8 Toll-like receptor expression in the peripheral nerve. 2010, 58, 1701-9 Evolution of inflammation in nonalcoholic fatty liver disease: the multiple parallel hits hypothesis.	137 9 23 95
1053 1052 1051 1050 1049	Innate immune signals in atherosclerosis. 2010, 134, 5-24 Increased nucleolar localization of SpiA3G in classically but not alternatively activated macrophages. 2010, 584, 2201-6 Expression of Toll-like receptor 9 in bone marrow cells of myelodysplastic syndromes is down-regulated during transformation to overt leukemia. 2010, 88, 293-8 Toll-like receptor expression in the peripheral nerve. 2010, 58, 1701-9 Evolution of inflammation in nonalcoholic fatty liver disease: the multiple parallel hits hypothesis. 2010, 52, 1836-46 Complete Lipooligosaccharide Structure of the Clinical Isolate Acinetobacter baumannii, Strain	137 9 23 95 1423

(2010-2010)

1045	Significant association between toll-like receptor gene polymorphisms and gallbladder cancer. 2010 , 30, 1067-72	48
1044	Periodontal innate immune mechanisms relevant to atherosclerosis and obesity. 2010 , 54, 207-21	57
1043	Differential regulation of toll-like receptor-2, toll-like receptor-4, CD16 and human leucocyte antigen-DR on peripheral blood monocytes during mild and severe dengue fever. 2010 , 130, 202-16	76
1042	Selective effects of Lactobacillus casei Shirota on T cell activation, natural killer cell activity and cytokine production. 2010 , 161, 378-88	55
1041	PTX3 genetic variations affect the risk of Pseudomonas aeruginosa airway colonization in cystic fibrosis patients. 2010 , 11, 665-70	74
1040	Toll-like receptors and their adapter molecules. 2010 , 75, 1098-114	13
1039	From evolutionary genetics to human immunology: how selection shapes host defence genes. 2010 , 11, 17-30	352
1038	Nuclear receptor transrepression pathways that regulate inflammation in macrophages and T cells. Nature Reviews Immunology, 2010 , 10, 365-76	459
1037	Elucidation of XA21-mediated innate immunity. 2010 , 12, 1017-25	53
1036	Human Toll-like receptor 4 polymorphisms TLR4 Asp299Gly and Thr399Ile influence susceptibility and severity of pulmonary tuberculosis in the Asian Indian population. 2010 , 76, 102-9	44
1035	Effectors and determinants of the innate and adaptive immune responses. 1-14	1
1034	Genetic Polymorphisms of Molecules Associated with Innate Immune Responses, TRL2 and MBL2 Genes in Japanese Subjects with Functional Dyspepsia. 2010 , 47, 217-23	14
1033	Core region and lipid A components of lipopolysaccharides. 2010 , 29-55	6
1032	Innate pathways of immune activation in transplantation. 2010 , 2010,	16
1031	Flagellin-induced corneal antimicrobial peptide production and wound repair involve a novel NF-kappaB-independent and EGFR-dependent pathway. 2010 , 5, e9351	31
1030	The role of TLR4 in photoreceptor {alpha}a crystallin upregulation during early experimental autoimmune uveitis. 2010 , 51, 3680-6	19
1029	Toll-like receptor-mediated recognition of herpes simplex virus. 2010 , 2, 718-29	7
1028	[The virtual infected cell: a systems biology rational for antiviral drug discovery]. 2010 , 26, 603-9	1

1027	Human immune responses in cryptosporidiosis. 2010 , 5, 507-19	63
1026	Role for neutrophils in host immune responses and genetic factors that modulate resistance to Salmonella enterica serovar typhimurium in the inbred mouse strain SPRET/Ei. 2010 , 78, 3848-60	14
1025	Toll-like receptor 2- and MyD88-dependent phosphatidylinositol 3-kinase and Rac1 activation facilitates the phagocytosis of Listeria monocytogenes by murine macrophages. 2010 , 78, 2857-67	61
1024	Induction and inhibition of type I interferon responses by distinct components of lymphocytic choriomeningitis virus. 2010 , 84, 9452-62	103
1023	Cdc42-mediated MTOC polarization in dendritic cells controls targeted delivery of cytokines at the immune synapse. 2010 , 207, 2719-32	62
1022	Low doses of lipopolysaccharide and minimally oxidized low-density lipoprotein cooperatively activate macrophages via nuclear factor kappa B and activator protein-1: possible mechanism for acceleration of atherosclerosis by subclinical endotoxemia. 2010 , 107, 56-65	150
1021	Phosphoinositide-dependent kinase 1 provides negative feedback inhibition to Toll-like receptor-mediated NF-kappaB activation in macrophages. 2010 , 30, 4354-66	45
1020	Polyphenols from red wine are potent modulators of innate and adaptive immune responsiveness. 2010 , 69, 279-85	37
1019	Dendritic cells loaded with tumor B cells elicit broad immunity against murine gammaherpesvirus 68 but fail to prevent long-term latency. 2010 , 84, 8975-9	
1018	Activation of platelets by Aspergillus fumigatus and potential role of platelets in the immunopathogenesis of Aspergillosis. 2010 , 78, 1269-75	45
1017	Production of reactive oxygen species is turned on and rapidly shut down in epithelial cells infected with Chlamydia trachomatis. 2010 , 78, 80-7	45
1016	The K5 capsule of Escherichia coli strain Nissle 1917 is important in stimulating expression of Toll-like receptor 5, CD14, MyD88, and TRIF together with the induction of interleukin-8 expression via the mitogen-activated protein kinase pathway in epithelial cells. 2010 , 78, 2153-62	32
1015	Human immunodeficiency virus and leishmaniasis. 2010 , 2, 248-57	47
1014	The Opportunistic Pathogen Listeria monocytogenes: Pathogenicity and Interaction with the Mucosal Immune System. 2010 , 2010, 704321	45
1013	Lipopolysaccharide-mediated IL-10 transcriptional regulation requires sequential induction of type I IFNs and IL-27 in macrophages. 2010 , 185, 6599-607	135
1012	Divergent roles of IRAK4-mediated innate immune responses in two experimental models of severe malaria. 2010 , 83, 69-74	8
1011	Postinfluenza bacterial pneumonia: host defenses gone awry. 2010 , 30, 643-52	68
1010	Activation of TLR2 by a small molecule produced by Staphylococcus epidermidis increases antimicrobial defense against bacterial skin infections. 2010 , 130, 2211-21	277

(2010-2010)

1009	Tumor microenvironments direct the recruitment and expansion of human Th17 cells. 2010 , 184, 1630-41	256
1008	Amelioration of glucose intolerance by the synthetic androstene HE3286: link to inflammatory pathways. 2010 , 333, 70-80	23
1007	Genomic biomarkers and cellular pathways of ischemic stroke by RNA gene expression profiling. 2010 , 75, 1009-14	138
1006	Toll-like receptor-4 mediates intestinal barrier breakdown after thermal injury. 2010 , 11, 137-44	33
1005	Evolution of recognition of ligands from Gram-positive bacteria: similarities and differences in the TLR2-mediated response between mammalian vertebrates and teleost fish. 2010 , 184, 2355-68	76
1004	Tumor cell death and ATP release prime dendritic cells and efficient anticancer immunity. 2010 , 70, 855-8	244
1003	Folding of Toll-like receptors by the HSP90 paralogue gp96 requires a substrate-specific cochaperone. 2010 , 1, 79	134
1002	Leishmania interferes with host cell signaling to devise a survival strategy. 2010 , 2010, 109189	53
1001	A role for Campylobacter jejuni-induced enteritis in inflammatory bowel disease?. 2010 , 298, G1-9	61
1000	Toll-like receptor 4 modulation as a strategy to treat sepsis. 2010 , 2010, 568396	93
999	Association of Toll-like receptor signaling and reactive oxygen species: a potential therapeutic target for posttrauma acute lung injury. 2010 , 2010,	51
998	Functional comparison of innate immune signaling pathways in primates. 2010 , 6, e1001249	71
997	DAMPening inflammation by modulating TLR signalling. 2010 , 2010,	606
996	A paradoxical role for neutrophils in the pathogenesis of West Nile virus. 2010 , 202, 1804-12	125
995	Role of GTPases in control of microvascular permeability. 2010 , 87, 243-53	262
994	Primary sources and immunological prerequisites for sST2 secretion in humans. 2010 , 87, 769-77	89
993	Toll-like receptors: role in dermatological disease. 2010 , 2010, 437246	66
992	The growing promise of Toll-deficient Drosophila melanogaster as a model for studying Aspergillus pathogenesis and treatment. 2010 , 1, 488-99	25

991	TLR9 signaling failure renders Peyer's patch regulatory B cells unresponsive to stimulation with CpG oligodeoxynucleotides. 2010 , 2, 483-94	12
990	Aging, imbalanced inflammation and viral infection. 2010 , 1, 295-8	22
989	Innate signaling networks in mucosal IgA class switching. 2010 , 107, 31-69	35
988	Toll-like receptor 4 expression during cerebral aneurysm formation. Laboratory investigation. 2010 , 113, 851-8	24
987	Concepts and ways to amplify the antitumor immune response. 2011 , 344, 97-128	3
986	The role of monocytes in atherosclerotic coronary artery disease. 2010 , 42, 394-403	86
985	Gut microbiota, lipopolysaccharides, and innate immunity in the pathogenesis of obesity and cardiovascular risk. 2010 , 31, 817-44	315
984	Toll-like receptor 4 participates in gastric mucosal protection through Cox-2 and PGE2. 2010 , 42, 472-6	15
983	[Insulin resistance as a mechanism of adaptation during human evolution]. 2010, 57, 381-90	2
982	A new look on brain mechanisms of acute illness anorexia. 2010 , 100, 464-71	33
981	The lipid A of Burkholderia multivorans C1576 smooth-type lipopolysaccharide and its pro-inflammatory activity in a cystic fibrosis airways model. 2010 , 16, 354-65	14
980	Enhanced anti-inflammatory activities of Monascus pilosus fermented products by addition of ginger to the medium. 2010 , 58, 12006-13	8
979	Quadruplex Genotyping of TLR-8 Polymorphisms in a Single Reaction. 2010 , 43, 1066-1074	
978	Campylobacter jejuni activates NF-kappaB independently of TLR2, TLR4, Nod1 and Nod2 receptors. 2010 , 49, 294-304	20
977	Development of allergic responses related to microorganisms exposure in early life. 2010 , 20, 373-385	12
976	Suppression of Toll-like receptor 2 or 4 agonist-induced cyclooxygenase-2 expression by 4-oxo-4-(2-oxo-oxazolidin-3-yl)-but-2-enoic acid ethyl ester. 2010 , 10, 163-8	3
975	Gymnasterkoreayne F inhibits osteoclast formation by suppressing NFATc1 and DC-STAMP expression. 2010 , 10, 1440-7	8
974	Inflammation-regeneration interplay in the dentine-pulp complex. 2010 , 38, 687-97	225

(2011-2010)

973	The role of intrinsic epithelial activation in the pathogenesis of Sjgren's syndrome. 2010 , 35, 219-24	111
972	Identification, characterization and genetic mapping of TLR1 loci in rainbow trout (Oncorhynchus mykiss). 2010 , 28, 918-26	44
971	Molecular cloning and expression study on Toll-like receptor 5 paralogs in Japanese flounder, Paralichthys olivaceus. 2010 , 29, 630-8	70
970	Co-stimulation with TLR7/8 and TLR9 agonists induce down-regulation of innate immune responses in sheep blood mononuclear and B cells. 2010 , 34, 572-8	17
969	An ancient C-type lectin in Chlamys farreri (CfLec-2) that mediate pathogen recognition and cellular adhesion. 2010 , 34, 1274-82	53
968	Smad7 and Smad6 bind to discrete regions of Pellino-1 via their MH2 domains to mediate TGF-beta1-induced negative regulation of IL-1R/TLR signaling. 2010 , 393, 836-43	36
967	Nutrition, The Infant and the Immune System. 2010 , 3-23	2
966	Plant glycans: friend or foe in vaccine development?. 2010 , 9, 835-42	64
965	Toll-like receptors and genital tract infection. 2010 , 21, 153-7	19
964	Potential down-regulation of salivary gland AQP5 by LPS via cross-coupling of NF-kappaB and p-c-Jun/c-Fos. 2010 , 177, 724-34	45
963	Caveolin-1 deficiency dampens Toll-like receptor 4 signaling through eNOS activation. 2010 , 176, 2344-51	56
962	Rough around the edges: the inflammatory response of microglial cells to spiky nanoparticles. 2010 , 4, 2490-3	43
961	Role of polymorphic variants as genetic modulators of infection in neonatal sepsis. 2010 , 68, 323-9	74
960	Damage-associated molecular patterns (DAMPs) in preterm labor with intact membranes and preterm PROM: a study of the alarmin HMGB1. 2011 , 24, 1444-55	160
959	The selective footprints of viral pressures at the human RIG-I-like receptor family. 2011, 20, 4462-74	38
958	Toll like receptor 5 (TLR5) may be involved in the immunological response to Aspergillus fumigatus in vitro. 2011 , 49, 375-9	13
957	Toll-like receptor 4 stimulation initiates an inflammatory response that decreases cardiomyocyte contractility. 2011 , 15, 1895-909	79
956	Identification of Inhibitors of NOD1-Induced Nuclear Factor- B Activation. 2011 , 2, 780-785	43

955	Innate immunity and Leishmania vaccination strategies. 2011 , 29, 89-102	25
954	Host P athogen Interactions. 2011 , 247-276	1
953	A new role for myeloid HO-1 in the innate to adaptive crosstalk and immune homeostasis. 2011 , 780, 101-11	21
952	Intrinsic and extrinsic regulation of innate immune receptors. 2011 , 52, 379-92	65
951	IL-1 and Innate Immunity in the Differentiation of TH17 Cells. 2011 , 107-127	
950	Subunit vaccines of the future: the need for safe, customized and optimized particulate delivery systems. 2011 , 2, 1057-77	87
949	Crossroads between Innate and Adaptive Immunity III. 2011,	3
948	Cancer Immunology and Immunotherapy. 2011 ,	1
947	IMMUNOLOGY AND RHEUMATIC DISEASES. 2011 , 16-52	
946	Bronchiolitis obliterans syndrome: the final frontier for lung transplantation. 2011 , 140, 502-508	150
945	Toll-like receptor 3 upregulation by type I interferon in healthy and scleroderma dermal fibroblasts. 2011 , 13, R3	75
944	Dysregulation of human Toll-like receptor function in aging. 2011 , 10, 346-53	145
943	Toll-like receptor 4 promotes ⊞ynuclein clearance and survival of nigral dopaminergic neurons. 2011 , 179, 954-63	189
942	Upregulation of TLR2 expression on G-CSF-mobilized peripheral blood stem cells is responsible for their rapid engraftment after allogeneic hematopoietic stem cell transplantation. 2011 , 54, 36-42	9
941	Toll-like receptors in bony fish: from genomics to function. 2011 , 35, 1263-72	340
940	Molecular cloning and characterization of Toll-like receptor 14 in Japanese flounder, Paralichthys olivaceus. 2011 , 30, 425-9	41
939	Molecular characterization of a Toll-like receptor 22 homologue in large yellow croaker (Pseudosciaena crocea) and promoter activity analysis of its 5'-flanking sequence. 2011 , 30, 224-33	50
938	An interleukin-2 enhancer binding factor 2 homolog involved in immune response from Chinese mitten crab Eriocheir sinensis. 2011 , 30, 1303-9	19

(2011-2011)

937	Maximal transcriptional activation of piscine soluble Toll-like receptor 5 by the NF- B subunit p65 and flagellin. 2011 , 31, 881-6	17
936	A cellular microRNA, let-7i, is a novel biomarker for clinical outcome in patients with dilated cardiomyopathy. 2011 , 17, 923-9	47
935	Toll-like receptors, inflammation, metabolism and obesity. 2011 , 117, 151-64	101
934	Positive T cell co-stimulation by TLR7/8 ligands is dependent on the cellular environment. 2011 , 216, 12-23	10
933	Priming microenvironments dictate cytokine requirements for T helper 17 cell lineage commitment. 2011 , 35, 1010-22	84
932	Toll-like receptors in inflammation of the central nervous system. 2011 , 11, 1407-14	99
931	Innate control of B cell responses. 2011 , 32, 202-11	83
930	Systemic features of immune recognition in the gut. 2011 , 13, 983-91	13
929	Studying the genetic predisposing factors in the pathogenesis of acne vulgaris. 2011, 72, 766-73	35
928	Surface molecules on stimulated plasmacytoid dendritic cells are sufficient to cross-activate resting myeloid dendritic cells. 2011 , 72, 1018-21	6
927	Toll-like receptor 4 mediates oxidized LDL-induced macrophage differentiation to foam cells. 2011 , 171, e27-31	65
926	Anti-inflammatory effects of Polygala tenuifolia root through inhibition of NF- B activation in lipopolysaccharide-induced BV2 microglial cells. 2011 , 137, 1402-8	62
925	Mitochondrial dysfunction and insulin resistance from the outside in: extracellular matrix, the cytoskeleton, and mitochondria. 2011 , 301, E749-55	65
924	Safety and immunogenicity of a recombinant M2e-flagellin influenza vaccine (STF2.4xM2e) in healthy adults. 2011 , 29, 5145-52	212
923	Natural products and the search for novel vaccine adjuvants. 2011 , 29, 6464-71	37
922	In vivo administration of ligands for chicken toll-like receptors 4 and 21 induces the expression of immune system genes in the spleen. 2011 , 144, 228-37	50
921	Toll-like receptors: linking inflammation to metabolism. 2011 , 22, 16-23	262
920	Toll-like receptors and microbial exposure: gene-gene and gene-environment interaction in the development of atopy. 2011 , 38, 833-40	18

919	Immunopathogenesis of idiopathic nephrotic syndrome. 2011 , 169, 94-106	26
918	Structural biology of the Toll-like receptor family. 2011 , 80, 917-41	238
917	Innate Immunity in the Recognition of €Cell Antigens in Type 1 Diabetes. 2011 ,	1
916	Defensins. 2011 , 109-116	
915	. 2011,	5
914	Immunotherapy with Dendritic Cells and Newcastle Disease Virus in Glioblastoma Multiforme. 2011	
913	Human endogenous RNAs: Implications for the immunomodulation of Toll-like receptor 3. 2011 , 2, 925-929	4
912	Constitutive, but not challenge-induced, interleukin-10 production is robust in acute pre-pubescent protein and energy deficits: new support for the tolerance hypothesis of malnutrition-associated immune depression based on cytokine production in vivo. 2011 , 8, 117-35	10
911	Analysis of polymorphism in the porcine TLR4 gene and its expression related to Escherichia coliF18 infection. 2011 , 56, 475-482	3
910	The role of TLR4 activation in photoreceptor mitochondrial oxidative stress. 2011 , 52, 5824-35	42
909	Sepse: atualidades e perspectivas. 2011 , 23, 207-216	17
908	Regulation of innate immune responses in the central nervous system. 2011 , 10, 4-24	33
907	Helicobacter Pylori Infection in Peptic Ulcer Disease. 2011,	1
906	The ubiquitin-like protein PLIC-1 or ubiquilin 1 inhibits TLR3-Trif signaling. 2011 , 6, e21153	16
905	Immunity traits in pigs: substantial genetic variation and limited covariation. 2011, 6, e22717	66
904	MyD88 and Trif signaling play distinct roles in cardiac dysfunction and mortality during endotoxin shock and polymicrobial sepsis. 2011 , 115, 555-67	44
903	Obesity, insulin resistance and free fatty acids. 2011 , 18, 139-43	472
902	Influences of weight loss on monocytes and T-cell subpopulations in male judo athletes. 2011 , 25, 1943-50	19

901	Toll Like Receptors Signaling Pathways as a Target for Therapeutic Interventions. 2011 , 6, 428-440	9
900	Role of toll-like receptors in cardiovascular diseases. 2011 , 121, 1-10	70
899	Toll-like receptor 2 and 4 stimulation elicits an enhanced inflammatory response in human obese patients with atherosclerosis. 2011 , 121, 205-14	30
898	Increased MAPK and NF- B expression of Langerhans cells is dependent on TLR2 and TLR4, and increased IRF-3 expression is partially dependent on TLR4 following UV exposure. 2011 , 4, 541-6	20
897	Interleukin-5 and IL-5 receptor in health and diseases. 2011 , 87, 463-85	120
896	Changes in Skin Immunity with Age and Disease. 2011 , 215-258	1
895	Regulating the Regulators: microRNA and Asthma. 2011 , 4, 94-103	21
894	Toll-like receptors and their dual role in periodontitis: a review. 2011 , 53, 263-71	68
893	Visualization of vascular Ca2+ signaling triggered by paracrine derived ROS. 2011 ,	6
892	Signatures of selection acting on the innate immunity gene Toll-like receptor 2 (TLR2) during the evolutionary history of rodents. 2011 , 24, 1232-40	43
891	Apical expression of human full-length hCEACAM1-4L protein renders the Madin Darby Canine Kidney cells responsive to lipopolysaccharide leading to TLR4-dependent Erk1/2 and p38 MAPK signalling. 2011 , 13, 764-85	5
890	The WxxxE effector EspT triggers expression of immune mediators in an Erk/JNK and NF-B-dependent manner. 2011 , 13, 1881-93	36
889	Hepatic ischemia reperfusion injury: Contemporary perspectives on pathogenic mechanisms and basis for hepatoprotection-the good, bad and deadly. 2011 , 26 Suppl 1, 180-7	61
888	Vitamin D, innate immunity and outcomes in community acquired pneumonia. 2011 , 16, 611-6	76
887	New roles for innate immune response in acute and chronic kidney injuries. 2011 , 73, 428-35	32
886	Glucose activation of islets of Langerhans up-regulates Toll-like receptor 5: possible mechanism of protection. 2011 , 166, 251-7	5
885	Kaempferol acts through mitogen-activated protein kinases and protein kinase B/AKT to elicit protection in a model of neuroinflammation in BV2 microglial cells. 2011 , 164, 1008-25	129
884	Innate immunity in transplant tolerance and rejection. 2011 , 241, 39-48	75

883	Immunological stimuli change expression of genes and neutrophil function in fathead minnow Pimephales promelas Rafinesque. 2011 , 78, 1054-72	15
882	Microbial manipulation of receptor crosstalk in innate immunity. <i>Nature Reviews Immunology</i> , 2011 , 11, 187-200	213
881	Highlights of 10 years of immunology in Nature Reviews Immunology. <i>Nature Reviews Immunology</i> , 2011 , 11, 693-702	75
880	Heterogeneous expression of toll-like receptors in lymphatic endothelial cells derived from different tissues. 2011 , 89, 475-81	27
879	GSK-3∰nduced ASK1 stabilization is crucial in LPS-induced endotoxin shock. 2011 , 317, 1663-8	24
878	Innate immunity and monocyte-macrophage activation in atherosclerosis. 2011 , 8, 9	92
877	Toll-like receptor 7 activation reduces the contractile response of airway smooth muscle. 2011 , 652, 145-51	22
876	High-dose tobramycin inhibits lipopolysaccharide-induced MUC5AC production in human lung epithelial cells. 2011 , 659, 67-71	9
875	Disruption of downstream MyD88 or TRIF Toll-like receptor signaling does not protect against cerebral ischemia. 2011 , 1388, 148-56	34
874	Reduced efficacy of multiple doses of CpG-matured dendritic cell tumor vaccine in an experimental model. 2011 , 271, 360-4	9
873	Immunopathogenesis of ischemia/reperfusion-associated tissue damage. 2011 , 141, 3-14	65
872	Conjugation of lipid and CpG-containing oligonucleotide yields an efficient method for liposome incorporation. 2011 , 22, 1279-86	11
871	Genetic variation in the dectin-1/CARD9 recognition pathway and susceptibility to candidemia. 2011 , 204, 1138-45	66
870	Gastrointestinal Manifestations of Primary Immunodeficiency. 2011 , 435-446.e4	
869	Immunoglobulin responses at the mucosal interface. 2011 , 29, 273-93	255
868	Innate immune cells in breast cancerfrom villains to heroes?. 2011 , 16, 189-203	23
867	Microsatellite GT polymorphism in intron 2 of human Toll-like receptor (TLR) 2 gene and susceptibility to periodontitis. 2011 , 15, 435-41	4
866	Linkage mapping of toll-like receptors (TLRs) in Japanese flounder, Paralichthys olivaceus. 2011 , 13, 1086-91	23

(2011-2011)

865	The developmental aging and origins of health and disease hypotheses explained by different protein networks. 2011 , 12, 293-308	20
864	The investigation of toll-like receptor 3, 9 and 10 gene polymorphisms in Turkish rheumatoid arthritis patients. 2011 , 31, 1369-74	39
863	Toll-like receptor 2 deficiency improves insulin sensitivity and hepatic insulin signalling in the mouse. 2011 , 54, 168-79	59
862	Adoptive immunotherapy combined with intratumoral TLR agonist delivery eradicates established melanoma in mice. 2011 , 60, 671-83	55
861	Probiotic therapy: immunomodulating approach toward urinary tract infection. 2011 , 63, 484-90	50
860	Bactofection with toll-like receptor 4 in a murine model of urinary tract infection. 2011 , 62, 1739-42	5
859	Immunostimulatory activity of polysaccharide-poly(I:C) nanoparticles. 2011, 32, 4275-82	21
858	Suppression of cyclooxygenase-2 expression induced by Toll-like receptor 2 or 4 agonists by (E)-isopropyl 4-oxo-4-(2-oxopyrrolidin-1-yl)-2-butenoate. 2011 , 7, 39-44	3
857	Innate signaling in otitis media: pathogenesis and recovery. 2011 , 11, 78-84	48
856	Novel Toll-like receptor-4 deficiency attenuates trastuzumab (Herceptin) induced cardiac injury in mice. 2011 , 11, 62	29
855	Genetic variation of TLR-4, TLR-9 and TIRAP genes in Iranian malaria patients. 2011 , 10, 77	33
854	Trauma is danger. 2011 , 9, 92	20
853	Wallerian degeneration: gaining perspective on inflammatory events after peripheral nerve injury. 2011 , 8, 110	504
852	Toll-like receptor 2 contributes to chemokine gene expression and macrophage infiltration in the dorsal root ganglia after peripheral nerve injury. 2011 , 7, 74	50
851	Gut flora enhance bacterial clearance in lung through toll-like receptors 4. 2011 , 18, 68	31
850	A review of the critical role of vitamin D in the functioning of the immune system and the clinical implications of vitamin D deficiency. 2011 , 55, 96-108	210
849	Toll-like and adenosine receptor expression in injured skeletal muscle. 2011 , 44, 85-92	14
848	Honokiol inhibits LPS-induced maturation and inflammatory response of human monocyte-derived dendritic cells. 2011 , 226, 2338-49	40

847	TLR2 signaling improves immunoregulation to prevent type 1 diabetes. 2011 , 41, 1399-409	34
846	Innate immunity in type 1 diabetes. 2011 , 27, 824-9	20
845	Functional characterization of naturally occurring genetic variants in the human TLR1-2-6 gene family. 2011 , 32, 643-52	23
844	Suppression of LPS-induced inflammatory and NF- B responses by anomalin in RAW 264.7 macrophages. 2011 , 112, 2179-88	71
843	Role of toll-like receptor 4 in the inflammation reaction surrounding silicone prosthesis. 2011 , 7, 2047-52	8
842	Fungal allergen ��lucans trigger p38 mitogen-activated protein kinase-mediated IL-6 translation in lung epithelial cells. 2011 , 45, 1133-41	44
841	Toll-like receptors (TLRs) and mannan-binding lectin (MBL): on constant alert in a hostile environment. 2011 , 116, 90-9	8
840	Toll-like receptor agonists as adjuvants for HIV vaccines. 2011 , 18, 5079-82	13
839	LBP and sCD14 patterns in total hip replacement surgery performed during combined spinal/epidural anaesthesia. 2011 , 71, 486-91	3
838	Modulation of inflammatory responses by a cannabinoid-2-selective agonist after spinal cord injury. 2011 , 28, 2417-27	51
837	Serum amyloid A activates the NLRP3 inflammasome via P2X7 receptor and a cathepsin B-sensitive pathway. 2011 , 186, 6119-28	197
836	The airway epithelium: soldier in the fight against respiratory viruses. 2011 , 24, 210-29	408
835	Human anti-microbial cathelicidin peptide LL-37 suppresses the LPS-induced apoptosis of endothelial cells. 2011 , 23, 185-93	55
834	Interaction of 2 -glycoprotein I with lipopolysaccharide leads to Toll-like receptor 4 (TLR4)-dependent activation of macrophages. 2011 , 286, 42494-42503	27
833	Extracellular ubiquitin: immune modulator and endogenous opponent of damage-associated molecular pattern molecules. 2011 , 89, 205-19	75
832	Atorvastatin inhibits functional expression of proatherogenic TLR2 in arterial endothelial cells. 2011 , 28, 625-30	11
831	Macrophage deletion of SOCS1 increases sensitivity to LPS and palmitic acid and results in systemic inflammation and hepatic insulin resistance. 2011 , 60, 2023-31	63
830	Feedback regulation of endothelial cell surface plasmin generation by PKC-dependent phosphorylation of annexin A2. 2011 , 286, 15428-39	47

829	Studies on Renal Disorders. 2011 ,	3
828	The association of CD46, SLAM and CD209 cellular receptor gene SNPs with variations in measles vaccine-induced immune responses: a replication study and examination of novel polymorphisms. 2011 , 72, 206-23	50
827	Commensal microflora contribute to host defense against Escherichia coli pneumonia through Toll-like receptors. 2011 , 36, 67-75	56
826	Francisella tularensis reveals a disparity between human and mouse NLRP3 inflammasome activation. 2011 , 286, 39033-42	57
825	The selective sphingosine 1-phosphate receptor 1 agonist ponesimod protects against lymphocyte-mediated tissue inflammation. 2011 , 337, 547-56	82
824	Secretory leukocyte protease inhibitor plays an important role in the regulation of allergic asthma in mice. 2011 , 186, 4433-42	31
823	Blastomyces dermatitidis yeast cells inhibit nitric oxide production by alveolar macrophage inducible nitric oxide synthase. 2011 , 79, 2385-95	39
822	Burkholderia pseudomallei-induced expression of a negative regulator, sterile-alpha and Armadillo motif-containing protein, in mouse macrophages: a possible mechanism for suppression of the MyD88-independent pathway. 2011 , 79, 2921-7	16
821	Contribution of a Streptococcus mutans antigen expressed by a Salmonella vector vaccine in dendritic cell activation. 2011 , 79, 3792-800	6
820	Systems analysis identifies an essential role for SHANK-associated RH domain-interacting protein (SHARPIN) in macrophage Toll-like receptor 2 (TLR2) responses. 2011 , 108, 11536-41	56
819	Characterization of sparstolonin B, a Chinese herb-derived compound, as a selective Toll-like receptor antagonist with potent anti-inflammatory properties. 2011 , 286, 26470-9	85
818	CpG blocks immunosuppression by myeloid-derived suppressor cells in tumor-bearing mice. 2011 , 17, 1765-75	185
817	Airway epithelial MyD88 restores control of Pseudomonas aeruginosa murine infection via an IL-1-dependent pathway. 2011 , 186, 7080-8	55
816	The emerging role of the intestine in metabolic diseases. 2011 , 117, 165-76	16
815	Molecular evolution of the toll-like receptor multigene family in birds. 2011 , 28, 1703-15	121
814	Gut Microbes, Immunity, and Metabolism. 2011 , 311-330	1
813	Knockout of toll-like receptor-2 attenuates both the proinflammatory state of diabetes and incipient diabetic nephropathy. 2011 , 31, 1796-804	108
812	Discovery of the DIGIRR gene from teleost fish: a novel Toll-IL-1 receptor family member serving as a negative regulator of IL-1 signaling. 2011 , 187, 2514-30	30

811	Toll-like receptor 9, NOD2 and IL23R gene polymorphisms influenced outcome in AML patients transplanted from HLA-identical sibling donors. 2011 , 46, 702-8	25
810	The potential interplay of adipokines with toll-like receptors in the development of hepatocellular carcinoma. 2011 , 2011, 215986	10
809	Progesterone administration modulates cortical TLR4/NF- B signaling pathway after subarachnoid hemorrhage in male rats. 2011 , 2011, 848309	60
808	Inflammasome-mediated suppression of inflammation-induced colorectal cancer progression is mediated by direct regulation of epithelial cell proliferation. 2011 , 10, 1936-9	44
807	Growth and Development Symposium: Endotoxin, inflammation, and intestinal function in livestock. 2012 , 90, 1452-65	102
806	Defective monocyte dynamics in Q fever granuloma deficiency. 2012 , 205, 1086-94	20
805	EP2 and EP4 receptors on muscularis resident macrophages mediate LPS-induced intestinal dysmotility via iNOS upregulation through cAMP/ERK signals. 2012 , 302, G524-34	30
804	Hyperglycemia induces Toll like receptor 4 expression and activity in mouse mesangial cells: relevance to diabetic nephropathy. 2012 , 303, F1145-50	79
803	Chitohexaose activates macrophages by alternate pathway through TLR4 and blocks endotoxemia. 2012 , 8, e1002717	59
802	Involvement of signal regulatory protein ∄a negative regulator of Toll-like receptor signaling, in impairing the MyD88-independent pathway and intracellular killing of Burkholderia pseudomallei-infected mouse macrophages. 2012 , 80, 4223-31	10
801	The quorum sensing volatile molecule 2-amino acetophenon modulates host immune responses in a manner that promotes life with unwanted guests. 2012 , 8, e1003024	38
800	Think small: zebrafish as a model system of human pathology. 2012 , 2012, 817341	118
799	The role of DNA sensing and innate immune receptor TLR9 in otitis media. 2012 , 18, 3-13	37
798	Pathogenic Old World arenaviruses inhibit TLR2/Mal-dependent proinflammatory cytokines in vitro. 2012 , 86, 7216-26	21
797	Molecular chaperones and heat shock proteins in atherosclerosis. 2012 , 302, H506-14	39
796	Elevated interleukin-32 expression in granulomatosis with polyangiitis. 2012 , 51, 1979-88	13
795	Genetic disruption of Fra-1 decreases susceptibility to endotoxin-induced acute lung injury and mortality in mice. 2012 , 46, 55-62	12
794	Innate immune response to Salmonella typhimurium, a model enteric pathogen. 2012 , 3, 62-70	135

793	Metalloreductase Steap3 coordinates the regulation of iron homeostasis and inflammatory responses. 2012 , 97, 1826-35	52
79²	Dual oxidase 2 is essential for the toll-like receptor 5-mediated inflammatory response in airway mucosa. 2012 , 16, 57-70	56
791	The role of tuberous sclerosis complex 1 in regulating innate immunity. 2012 , 188, 3658-66	56
790	TLR signaling prevents hyperoxia-induced lung injury by protecting the alveolar epithelium from oxidant-mediated death. 2012 , 189, 356-64	19
789	Tripartite motif-containing protein 38 negatively regulates TLR3/4- and RIG-I-mediated IFN-⊞ production and antiviral response by targeting NAP1. 2012 , 188, 5311-8	62
788	Outer membrane protein A (OmpA) of Shigella flexneri 2a links innate and adaptive immunity in a TLR2-dependent manner and involvement of IL-12 and nitric oxide. 2012 , 287, 12589-601	26
787	The gut microbiota, environment and diseases of modern society. 2012, 3, 374-82	39
786	Development of innate immunity in chicken embryos and newly hatched chicks: a disease control perspective. 2019 , 48, 288-310	21
7 ⁸ 5	The role of TNF-hand TLR4 polymorphisms in the placenta of pregnant women complicated by preeclampsia and in silico analysis. 2019 , 134, 1205-1215	6
784	The Significant Reduction or Complete Eradication of Subcutaneous and Metastatic Lesions in a Pheochromocytoma Mouse Model after Immunotherapy Using Mannan-BAM, TLR Ligands, and Anti-CD40. 2019 , 11,	11
783	Role of Toll-Like Receptors in Actuating Stem/Progenitor Cell Repair Mechanisms: Different Functions in Different Cells. 2019 , 2019, 6795845	25
782	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. 2019 , 177, 1201-1216.e19	45
781	Cooperation between T cell receptor and Toll-like receptor 5 signaling for CD4 T cell activation. 2019 , 12,	19
78o	Sleep, stress, and immunity. 2019 , 319-330	9
779	Susceptibility to infection with Borrelia afzelii and TLR2 polymorphism in a wild reservoir host. 2019 , 9, 6711	6
778	Two toll-like receptors identified in the mantle of Mytilus coruscus are abundant in haemocytes. 2019 , 90, 134-140	7
777	The dual role of innate immunity during influenza. 2019 , 42, 8-18	23
776	Toll-like receptor-4 299Gly allele is associated with Guillain-Barr'syndrome in Bangladesh. 2019 , 6, 708-715	8

775	Guanylate-binding proteins at the crossroad of noncanonical inflammasome activation during bacterial infections. 2019 , 106, 553-562	20
774	Interferon-Beta Treatment Differentially Alters TLR2 and TLR4-Dependent Cytokine Production in Multiple Sclerosis Patients. 2019 , 26, 77-83	2
773	Below the surface: The inner lives of TLR4 and TLR9. 2019 , 106, 147-160	47
772	GWAS Analysis Indicated Importance of NF- B Signaling Pathway in Host Resistance Against Motile Aeromonas Septicemia Disease in Catfish. 2019 , 21, 335-347	22
771	Endogenous double-stranded Alu RNA elements stimulate IFN-responses in relapsing remitting multiple sclerosis. 2019 , 100, 40-51	13
770	Epigenetic regulation of the innate immune response to infection. <i>Nature Reviews Immunology</i> , 2019 , 19, 417-432	137
769	Harnessing Radiation Biology to Augment Immunotherapy for Glioblastoma. 2018 , 8, 656	18
768	Inhibitory Effects of Menadione on Growth and -Induced Inflammation via NF- B Inhibition. 2019 , 20,	13
767	TLR4 participates in sympathetic hyperactivity Post-MI in the PVN by regulating NF- B pathway and ROS production. 2019 , 24, 101186	26
766	Escalating Threat Levels of Bacterial Infection Can Be Discriminated by Distinct MAPK and NF- B Signaling Dynamics in Single Host Cells. 2019 , 8, 183-196.e4	13
765	Asthma: An Undermined State of Immunodeficiency. 2019 , 38, 70-78	8
764	Endotoxin-adsorbing macrophage-mimetic hybrid liposome for sepsis treatment. 2019 , 371, 15-25	8
763	Toll-like receptor 4 promotes high glucose-induced catabolic and inflammatory responses in chondrocytes in an NF- B -dependent manner. 2019 , 228, 258-265	14
762	Severe Acute Respiratory Syndrome Coronavirus Viroporin 3a Activates the NLRP3 Inflammasome. 2019 , 10, 50	311
761	Nitric Oxide and Cancer: To Inhibit or To Induce iNOS: That Is the Question?. 2019, 93-111	3
760	Photo-induced anti-inflammatory activities of chloro substituted subphthalocyanines on the mammalian macrophage in vitro. 2019 , 25, 499-503	12
759	The innate immune response to allotransplants: mechanisms and therapeutic potentials. 2019 , 16, 350-356	34
758	Endothelial toll-like receptor 4 maintains lung integrity via epigenetic suppression of p16. 2019 , 18, e12914	5

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757	Spp38 MAPK participates in maintaining the homeostasis of hemolymph microbiota in Scylla paramamosain. 2019 , 95, 38-49	8
756	Sphingolipids in Obesity and Correlated Co-Morbidities: The Contribution of Gender, Age and Environment. 2019 , 20,	14
755	HIV-1 Latency and Latency Reversal: Does Subtype Matter?. 2019 , 11,	10
754	Transcriptional control of dendritic cell development and functions. 2019, 349, 55-151	29
753	Genetic variation among different springbok (Antidorcas marsupialis) colour variants. 2019 , 99, 42-53	1
75 ²	Anti-inflammatory activities of Maillard reaction products from whey protein isolate fermented by Lactobacillus gasseri 4M13 in lipopolysaccharide-stimulated RAW264.7 cells. 2019 , 102, 7707-7716	7
75 ¹	TLR-2 and MyD88-Dependent Activation of MAPK and STAT Proteins Regulates Proinflammatory Cytokine Response and Immunity to Experimental Infection. 2019 , 10, 2673	14
750	Co-exposure to lipopolysaccharide and desert dust causes exacerbation of ovalbumin-induced allergic lung inflammation in mice via TLR4/MyD88-dependent and -independent pathways. 2019 , 15, 82	2
749	Association between TLR4 polymorphisms (896 A>G, 1196 C>T, - 2570 A>G, - 2081 G>A) and virulence factors in uropathogenic Escherichia coli. 2019 , 19, 105-113	3
748	Toll-like receptors signaling network in pre-eclampsia: An updated review. 2019 , 234, 2229-2240	24
747	cis-9, trans-11-Conjugated Linoleic Acid Exerts an Anti-inflammatory Effect in Bovine Mammary Epithelial Cells after Escherichia coli Stimulation through NF- B Signaling Pathway. 2019 , 67, 193-200	10
746	Myeloid cells in cardiovascular organs. 2019 , 285, 491-502	9
745	Goose MAVS functions in RIG-I-mediated IFN-醁ignaling activation. 2019 , 93, 58-65	11
744	Gut microbiota: a potential manipulator for host adipose tissue and energy metabolism. 2019 , 64, 206-217	27
743	Bacterial Clearance Is Enhanced by $\frac{1}{2}$, 3- and $\frac{1}{2}$, 6-Sialyllactose via Receptor-Mediated Endocytosis and Phagocytosis. 2019 , 87,	6
742	Exercise, Immunity, and Illness. 2019 , 317-344	9
741	The Absence of TLR4 Prevents Fetal Brain Injury in the Setting of Intrauterine Inflammation. 2019 , 26, 1082-1093	2
740	Lipopolysaccharide structures of Gram-negative populations in the gut microbiota and effects on host interactions. 2019 , 43, 257-272	51

739	Presepsin: A promising biomarker for the detection of bacterial infections. 2019 , 111, 649-656	29
738	Gene expression profiling of porcine skeletal muscle satellite cells after poly(I:C) stimulation. 2019 , 695, 113-121	2
737	Transcriptome-wide identification, functional characterization, and expression analysis of two novel invertebrate-type Toll-like receptors from disk abalone (Haliotis discus discus). 2019 , 84, 802-815	12
736	The regulatory role of Toll-like receptors after ischemic stroke: neurosteroids as TLR modulators with the focus on TLR2/4. 2019 , 76, 523-537	27
735	Direct Engagement of TLR9 Ligand with T Helper Cells Leads to Cell Proliferation & Up-regulation of Cytokines. 2019 , 48, 79-95	6
734	N-terminal domain of EcC1INH in Epinephelus coioides can antagonize the LPS-stimulated inflammatory response. 2019 , 84, 8-19	11
733	Characterization of innate responses induced by in ovo administration of encapsulated and free forms of ligands of Toll-like receptor 4 and 21 in chicken embryos. 2019 , 125, 405-415	4
732	Microglia are continuously activated in the circumventricular organs of mouse brain. 2019, 331, 74-86	20
731	Effect of N-Acetylserotonin on TLR-4 and MyD88 Expression during Intestinal Ischemia-Reperfusion in a Rat Model. 2019 , 29, 188-195	9
730	Pentraxin 3 deficiency exacerbates lipopolysaccharide-induced inflammation in adipose tissue. 2020 , 44, 525-538	5
73° 729		5
	2020 , 44, 525-538	
729	2020, 44, 525-538 Toll-Like Receptors, Infections, and Rheumatoid Arthritis. 2020, 58, 172-181 Citrobacter freundii infection in red swamp crayfish (Procambarus clarkii) and host immune-related	42
729 728	 2020, 44, 525-538 Toll-Like Receptors, Infections, and Rheumatoid Arthritis. 2020, 58, 172-181 Citrobacter freundii infection in red swamp crayfish (Procambarus clarkii) and host immune-related gene expression profiles. 2020, 515, 734499 Role of inflammation in the pathogenesis of schizophrenia: A review of the evidence, proposed 	42 12
729 728 727	Toll-Like Receptors, Infections, and Rheumatoid Arthritis. 2020, 58, 172-181 Citrobacter freundii infection in red swamp crayfish (Procambarus clarkii) and host immune-related gene expression profiles. 2020, 515, 734499 Role of inflammation in the pathogenesis of schizophrenia: A review of the evidence, proposed mechanisms and implications for treatment. 2020, 14, 385-397 Activated M2 Macrophages Contribute to the Pathogenesis of IgG4-Related Disease via Toll-like	42 12 35
729 728 727 726	Toll-Like Receptors, Infections, and Rheumatoid Arthritis. 2020, 58, 172-181 Citrobacter freundii infection in red swamp crayfish (Procambarus clarkii) and host immune-related gene expression profiles. 2020, 515, 734499 Role of inflammation in the pathogenesis of schizophrenia: A review of the evidence, proposed mechanisms and implications for treatment. 2020, 14, 385-397 Activated M2 Macrophages Contribute to the Pathogenesis of IgG4-Related Disease via Toll-like Receptor 7/Interleukin-33 Signaling. 2020, 72, 166-178 Molecular characterization in the toll-like receptor 9 gene of Cape Mountain Zebra (Equus zebra	42 12 35
729 728 727 726 725	Toll-Like Receptors, Infections, and Rheumatoid Arthritis. 2020, 58, 172-181 Citrobacter freundii infection in red swamp crayfish (Procambarus clarkii) and host immune-related gene expression profiles. 2020, 515, 734499 Role of inflammation in the pathogenesis of schizophrenia: A review of the evidence, proposed mechanisms and implications for treatment. 2020, 14, 385-397 Activated M2 Macrophages Contribute to the Pathogenesis of IgG4-Related Disease via Toll-like Receptor 7/Interleukin-33 Signaling. 2020, 72, 166-178 Molecular characterization in the toll-like receptor 9 gene of Cape Mountain Zebra (Equus zebra zebra) from three populations. 2020, 78, 104118	42 12 35 28

(2020-2020)

721	Skin barrier immunity and ageing. 2020 , 160, 116-125	65
720	Involvement of Toll-like Receptor 4 in Neutrophil-Mediated Inflammation, Oxidative Stress and Tissue Damage Induced by Scorpion Venom. 2020 , 43, 155-167	7
719	The role of innate immunity in asthma development and protection: Lessons from the environment. 2020 , 50, 282-290	11
718	Novel Insights Into Immune Systems of Bats. 2020 , 11, 26	92
717	Parental Transfer of Microcystin-LR-Induced Innate Immune Dysfunction of Zebrafish: A Cross-Generational Study. 2020 , 54, 1014-1023	12
716	Signalling, sorting and scaffolding adaptors for Toll-like receptors. 2019 , 133,	31
7 ¹ 5	Pathological consequences of the unfolded protein response and downstream protein disulphide isomerases in pulmonary viral infection and disease. 2020 , 167, 173-184	8
714	Toll-like receptor-ligand induced thymic stromal lymphopoietin expression in primary equine keratinocytes. 2020 , 31, 154-162	3
713	Defensins: Transcriptional regulation and function beyond antimicrobial activity. 2020 , 104, 103556	16
712	Toll-like receptor bioactivity in endothelial progenitor cells. 2020 , 379, 223-230	8
711	Suppressors of cytokine signaling proteins as modulators of development and innate immunity of insects. 2020 , 104, 103561	13
710	Early exposure to environmental levels of sulfamethoxazole triggers immune and inflammatory response of healthy zebrafish larvae. 2020 , 703, 134724	24
709	Herpesvirus-bacteria synergistic interaction in periodontitis. 2020 , 82, 42-64	28
708	Familial Mediterranean fever: the molecular pathways from stress exposure to attacks. 2020 , 59, 3611-3621	4
707	miR-383 ameliorates high glucose-induced æells apoptosis and hyperglycemia in high-fat induced diabetic mice. 2020 , 263, 118571	5
706	Suppression of inflammatory genes expression in the injured host intestinal wall during Mesocestoides vogae tetrathyridium larvae migration. 2020 , 14, e0008685	
7 ⁰ 5	Low adaptive and neutral genetic diversity in the endangered Antioquia wren (Thryophilus sernai). 2020 , 21, 1051-1065	
704	The role of death domain proteins in host response upon SARS-CoV-2 infection: modulation of programmed cell death and translational applications. 2020 , 6, 101	19

703	Hypothermic Effect of Acute Citral Treatment during LPS-induced Systemic Inflammation in Obese Mice: Reduction of Serum TNF-Band Leptin Levels. 2020 , 10,	2
702	Helminth-derived peptide GK-1 induces Myd88-dependent pro-inflammatory signaling events in bone marrow-derived antigen-presenting cells. 2020 , 128, 22-32	1
701	Biogenic silver/silver chloride nanoparticles inhibit human glioblastoma stem cells growth in vitro and Ehrlich ascites carcinoma cell growth in vivo. 2020 , 24, 13223-13234	9
700	Temporal dynamics of innate and adaptive immune responses in broiler birds to oral delivered chitosan nanoparticle-based Salmonella subunit antigens. 2020 , 228, 110111	3
699	Integration of gene expression profile data to screen and verify immune-related genes of chicken erythrocytes involved in Marek's disease virus. 2020 , 148, 104454	2
698	FliC of Vibrio splendidus-related strain involved in adhesion to Apostichopus japonicus. 2020 , 149, 104503	3
697	Role of Innate Immune Receptor TLR4 and its endogenous ligands in epileptogenesis. 2020 , 160, 105172	6
696	The microbiome and cytosolic innate immune receptors. 2020 , 297, 207-224	15
695	Pattern recognition receptor-mediated inflammation in diabetic vascular complications. 2020 , 40, 2466-2484	18
694	Infections of the lung: a predictive, preventive and personalized perspective through the lens of evolution, the emergence of SARS-CoV-2 and its pathogenesis. 2020 , 11, 1-21	8
693	Elevated IL-12, TNF-, and TNF-/IL-10 Ratios in Stored -Infected Whole Blood: Implications for Safe Haemotransfusion. 2020 , 2020, 9394585	3
692	Metabolic acidosis exacerbates pyelonephritis in mice prone to vesicoureteral reflux. 2020 , 8, e14525	3
691	Study of Immunotropic Properties of Water-Soluble Polysaccharides Isolated from Conium maculatum Grass. 2020 , 170, 203-206	O
690	Vulvovaginal Candidosis: Current Concepts, Challenges and Perspectives. 2020 , 6,	16
689	IL-1∄nduced Cytokine Expression by Spinal Astrocytes Can Play a Role in the Maintenance of Chronic Inflammatory Pain. 2020 , 11, 543331	7
688	BsTLR1: A new member of the TLR family of recognition proteins from the colonial ascidian Botryllus schlosseri. 2020 , 106, 967-974	6
687	NLRP3 Inflammasome-Mediated Inflammation in Acute Pancreatitis. 2020 , 21,	14
686	Investigation and comparison of the protective activities of three functional proteins-lactoferrin, Hactalbumin, and Hactoglobulin-in cerebral ischemia reperfusion injury. 2020 , 103, 4895-4906	1

(2020-2020)

685	Modulation of neuroinflammatory pathways by medicinal mushrooms, with particular relevance to Alzheimer's disease. 2020 , 104, 153-162	8
684	Immunomodulatory Therapeutic Proteins in COVID-19: Current Clinical Development and Clinical Pharmacology Considerations. 2020 , 60, 1275-1293	7
683	Risperidone attenuates acetic acid-induced colitis in rats through inhibition of TLR4/NF-kB signaling pathway. 2020 , 42, 464-472	5
682	Recent advances in the NEK7-licensed NLRP3 inflammasome activation: Mechanisms, role in diseases and related inhibitors. 2020 , 113, 102515	18
681	Vaccine candidate designed against carcinoembryonic antigen-related cell adhesion molecules using immunoinformatics tools. 2021 , 39, 6084-6098	2
680	Time-resolved RNA-seq provided a new understanding of intestinal immune response of European eel (Anguilla anguilla) following infection with Aeromonas hydrophila. 2020 , 105, 297-309	1
679	Structure of fish Toll-like receptors (TLR) and NOD-like receptors (NLR). 2020, 161, 1602-1617	28
678	Lack of TLR4 modifies the miRNAs profile and attenuates inflammatory signaling pathways. 2020 , 15, e0237066	7
677	A secreted pore-forming protein modulates cellular endolysosomes to augment antigen presentation. 2020 , 34, 13609-13625	3
676	Polymorphism of TLR2 in bank vole populations in North Eastern Poland is not associated with Borrelia afzelii infection prevalence. 2020 , 65, 779-791	O
675	Improving transgene expression and CRISPR-Cas9 efficiency with molecular engineering-based molecules. 2020 , 10, e194	5
674	Toll-Like Receptor 9 Agonists in Cancer. 2020 , 13, 10039-10060	25
673	Induction of Chicken Host Defense Peptides within Disease-Resistant and -Susceptible Lines. 2020 , 11,	1
672	Computer-guided binding mode identification and affinity improvement of an LRR protein binder without structure determination. 2020 , 16, e1008150	3
671	Reversible cross-tolerance to platelet-activating factor signaling by bacterial toxins. 2021 , 32, 960-967	2
670	Immunology of HPV-mediated cervical cancer: current understanding. 2021 , 40, 359-378	7
669	Toll-Like Receptor 5 of Golden Pompano (Linnaeus 1758): Characterization, Promoter Activity and Functional Analysis. 2020 , 21,	7
668	Bystander CD4 T cells: crossroads between innate and adaptive immunity. 2020 , 52, 1255-1263	13

667	Coating of a Novel Antimicrobial Nanoparticle with a Macrophage Membrane for the Selective Entry into Infected Macrophages and Killing of Intracellular Staphylococci. 2020 , 30, 2004942	24
666	Self-Assembled DNA-PEG Bottlebrushes Enhance Antisense Activity and Pharmacokinetics of Oligonucleotides. 2020 , 12, 45830-45837	7
665	IRF3 and IRF8 Regulate NF- B Signaling by Targeting MyD88 in Teleost Fish. 2020 , 11, 606	12
664	Expression of TLR-2 in hepatocellular carcinoma is associated with tumour proliferation, angiogenesis and Caspase-3 expression. 2020 , 216, 152980	4
663	Distinct expression patterns of TLR transcripts in human oocytes and granulosa cells from primordial and primary follicles. 2020 , 140, 103125	7
662	IRF1 negatively regulates NF- B signaling by targeting MyD88 for degradation in teleost fish. 2020 , 110, 103709	7
661	A cutting-edge immunoinformatics approach for design of multi-epitope oral vaccine against dreadful human malaria. 2020 , 158, 159-179	12
660	Immune Response to Enteritidis Infection in Broilers Immunized Orally With Chitosan-Based Subunit Nanoparticle Vaccine. 2020 , 11, 935	5
659	Asiatic acid ameliorates obesity-related osteoarthritis by inhibiting myeloid differentiation protein-2. 2020 , 11, 5513-5524	O
658	Nanomedicine-based drug delivery towards tumor biological and immunological microenvironment. 2020 , 10, 2110-2124	44
6 ₅ 8		44
	microenvironment. 2020 , 10, 2110-2124	44
657	microenvironment. 2020, 10, 2110-2124 Inflammatory Muscle Diseases. 2020,	
6 ₅₇	Inflammatory Muscle Diseases. 2020, Conditionally Controlling Human TLR2 Activity via Trans-Cyclooctene Caged Ligands. 2020, 31, 1685-1692 A transcriptional landscape of 28 porcine tissues obtained by super deepSAGE sequencing. 2020,	4
6 ₅₇ 6 ₅₆ 6 ₅₅	Inflammatory Muscle Diseases. 2020, Conditionally Controlling Human TLR2 Activity via Trans-Cyclooctene Caged Ligands. 2020, 31, 1685-1692 A transcriptional landscape of 28 porcine tissues obtained by super deepSAGE sequencing. 2020, 21, 229 Identification of novel long non-coding RNAs involved in bisphenol A induced immunotoxicity in	3
657 656 655	Inflammatory Muscle Diseases. 2020, Conditionally Controlling Human TLR2 Activity via Trans-Cyclooctene Caged Ligands. 2020, 31, 1685-1692 A transcriptional landscape of 28 porcine tissues obtained by super deepSAGE sequencing. 2020, 21, 229 Identification of novel long non-coding RNAs involved in bisphenol A induced immunotoxicity in fish primary macrophages. 2020, 100, 152-160	436
657 656 655 654	Inflammatory Muscle Diseases. 2020, Conditionally Controlling Human TLR2 Activity via Trans-Cyclooctene Caged Ligands. 2020, 31, 1685-1692 A transcriptional landscape of 28 porcine tissues obtained by super deepSAGE sequencing. 2020, 21, 229 Identification of novel long non-coding RNAs involved in bisphenol A induced immunotoxicity in fish primary macrophages. 2020, 100, 152-160 Immunoactive drug carriers in cancer therapy. 2020, 53-94 Beneficial effect of immunobiotic strains on attenuation of Salmonella induced inflammatory	4 3 6

(2020-2020)

649	Gut dysbiosis and heart failure: navigating the universe within. 2020, 22, 629-637	9
648	Endoplasmic Reticulum-Associated Degradation-Dependent Processing in Cross-Presentation and Its Potential for Dendritic Cell Vaccinations: A Review. 2020 , 12,	3
647	Effective Activation of Human Antigen-Presenting Cells and Cytotoxic CD8 T Cells by a Calcium Phosphate-Based Nanoparticle Vaccine Delivery System. 2020 , 8,	13
646	Introductory Chapter: Toll-Like Receptors. 2020,	1
645	Benefit of Dietary Supplementation with Bacillus subtilis BYS2 on Growth Performance, Immune Response, and Disease Resistance of Broilers. 2020 , 12, 1385-1397	18
644	as a Model Organism in Host-Pathogen Interaction Studies. 2020 , 10, 214	11
643	hnRNPA2/B1 Ameliorates LPS-Induced Endothelial Injury through NF-B Pathway and VE-Cadherin/-Catenin Signaling Modulation In Vitro. 2020 , 2020, 6458791	0
642	Transcriptomic profiling of bovine blood dendritic cells and monocytes following TLR stimulation. 2020 , 50, 1691-1711	2
641	Increasing the Chemical Variety of Small-Molecule-Based TLR4 Modulators: An Overview. 2020 , 11, 1210	16
640	Characterisation and functional analysis of canine TLR5. 2020 , 26, 451-458	1
639	TLR2 Expression on Select Lymphocyte Subsets as a New Marker in Glomerulonephritis. 2020, 9,	2
638	Decreased IL-1\(\textit{III}\)nduced CCL20 response in human iPSC-astrocytes in schizophrenia: Potential attenuating effects on recruitment of regulatory T cells. 2020 , 87, 634-644	21
637	Different signaling pathways involved in the anti-inflammatory effects of unfractionated heparin on lipopolysaccharide-stimulated human endothelial cells. 2020 , 17, 5	12
636	Transcriptomic analysis reveals the key regulators and molecular mechanisms underlying myometrial activation during equine placentitis 2020 , 102, 1306-1325	9
635	The mechanism of action of Spi-B in the transcriptional activation of the interferon- $\frac{1}{4}$ gene. 2020 , 525, 477-482	1
634	Roles of Porphyromonas gingivalis and its virulence factors in periodontitis. 2020 , 120, 45-84	48
633	Application of mesenchymal stem cells in human diseases. 2020 , 5-15	2
632	Promotion effect of liver tumor progression in male kras transgenic zebrafish induced by tris (1, 3-dichloro-2-propyl) phosphate. 2020 , 191, 110220	5

631	: Immune subversion activities and role in periodontal dysbiosis. 2020 , 7, 12-21	14
630	T Cell Co-stimulation and Functional Modulation by Innate Signals. 2020 , 41, 200-212	24
629	DIGIRR as a member of the toll/IL-1R family negative regulates NF- B signaling pathway in miiuy croaker. 2020 , 100, 378-385	1
628	The role of Toll-like receptor signaling pathways in cerebrovascular disorders: the impact of spreading depolarization. 2020 , 17, 108	11
627	Molecular cloning and functional analysis of deubiquitinase CYLD in rainbow trout, Oncorhynchus mykiss. 2020 , 101, 135-142	3
626	Friend turned foe: A curious case of disrupted endosymbiotic homeostasis promoting the Warburg effect in sepsis. 2020 , 141, 109702	2
625	Phagocyte Transcriptomic Analysis Reveals Focal Adhesion Kinase (FAK) and Heparan Sulfate Proteoglycans (HSPGs) as Major Regulators in Anti-bacterial Defense of. 2020 , 11, 416	1
624	RNA/DNA sensing in SLEToll-like receptors and beyond. 2021 , 159-170	
623	Detection of Viral Infections by Innate Immunity. 2021 , 183, 114316	77
622	Forkhead box O1-mediated ubiquitination suppresses RIG-I-mediated antiviral immune responses. 2021 , 90, 107152	6
621	Transcriptomic analysis of equine placenta reveals key regulators and pathways involved in ascending placentitis 2021 , 104, 638-656	3
620	The Functional Deubiquitinating Enzymes in Control of Innate Antiviral Immunity. 2021 , 8, 2002484	10
619	Urban air PM modifies differently immune defense responses against bacterial and viral infections in vitro. 2021 , 192, 110244	6
618	MicroRNA negatively regulates NF- B -mediated immune responses by targeting NOD1 in the teleost fish Miichthys miiuy. 2021 , 64, 803-815	16
617	Opioid Receptors. 2021 ,	
616	Gut microbiota-brain axis in depression: The role of neuroinflammation. 2021 , 53, 222-235	54
615	Bioactive lipids in immune cells function and immune disorders. 2021 , 47-61	
614	TIDB: a comprehensive database of trained immunity. 2021 , 2021,	2

(2021-2021)

613	Inhibition of heat shock protein 90 alleviates cholestatic liver injury by decreasing IL-1臨nd IL-18 expression. 2021 , 21, 241	1
612	Vitamin D Modulation of the Innate Immune Response to Paediatric Respiratory Pathogens Associated with Acute Lower Respiratory Infections. 2021 , 13,	3
611	Tumor-associated myeloid cells: diversity and therapeutic targeting. 2021, 18, 566-578	26
610	Tumor cytotoxicity and immunogenicity of a novel V-jet neon plasma source compared to the kINPen. 2021 , 11, 136	9
609	Vitamin D3 Controls TLR4- and TLR2-Mediated Inflammatory Responses of Endometrial Cells. 2021 , 86, 139-148	1
608	TLR-4 Signaling in Pericytes. 2021 , 165-187	
607	Toll-Like Receptors. 2021 ,	О
606	Structural insights of macromolecules involved in bacteria-induced apoptosis in the pathogenesis of human diseases. 2021 , 126, 1-38	3
605	Therapeutic Manipulation of Tumor-associated Macrophages: Facts and Hopes from a Clinical and Translational Perspective. 2021 , 27, 3291-3297	14
604	The Human Gut Microbe Suppresses Toxin Release from by Inhibiting Autolysis. 2021 , 10,	3
603	Integrated Full-Length Transcriptome and RNA-Seq to Identify Immune System Genes from the Skin of Sperm Whale (). 2021 , 12,	1
602	Immune responses induced by inactivated porcine reproductive and respiratory syndrome virus (PRRSV) vaccine in neonatal pigs using different adjuvants. 2021 , 232, 110170	4
601	Molecular targets and the use of biologics in the management of small bowel fibrosis in inflammatory bowel disease. 2021 , 37, 275-283	2
600	The Impact of Whole Sesame Seeds on the Expression of Key-Genes Involved in the Innate Immunity of Dairy Goats. 2021 , 11,	O
599	Ginsenoside Rk3 Ameliorates Obesity-Induced Colitis by Regulating of Intestinal Flora and the TLR4/NF- B Signaling Pathway in C57BL/6 Mice. 2021 , 69, 3082-3093	10
598	BacteriaAnchoring Hybrid Liposome Capable of Absorbing Multiple Toxins for Antivirulence Therapy of Infection. 2021 , 15, 4173-4185	10
597	Swine Inflammation and Necrosis Syndrome Is Associated with Plasma Metabolites and Liver Transcriptome in Affected Piglets. 2021 , 11,	2
596	An amygdala circuit that suppresses social engagement. 2021 , 593, 114-118	8

595	Pertussis vaccines and the role of Bordetella pertussis lipooligosaccharide in the immune response to pertussis infection and vaccination. 2021 , 21, 10-19	О
594	Effect of paternal exposure to microcystin-LR on testicular dysfunction, reproduction, and offspring immune response in the oriental river prawn (Macrobrachium nipponense). 2021 , 534, 736332	5
593	Polysaccharide Isolated From Activates TLR4 in Macrophage Cell Lines and Enhances Immune Responses in OVA-Immunized and LLC-Bearing Mouse Models. 2021 , 12, 609059	2
592	TOLL LIKE RECEPTOR-4 GENE ASPARTATE 299 GLYCINE POLYMORPHISM IN SUDANESE PATIENTS WITH MYCETOMA. 2021 , 9, 187-192	
591	Intratumoral immunotherapy using platelet-cloaked nanoparticles enhances antitumor immunity in solid tumors. 2021 , 12, 1999	29
590	Composition of microflora and state of the system of signal image-recognizing receptors of the family of Toll-like cell factors of innate immunity during 120-day isolation in sealed compartment. 2021 , 98, 36-45	
589	Advancement in our understanding of immune response against Encephalitozoon infection. 2021 , 43, e12828	О
588	Identification of Dendritic Cell Maturation, TLR, and TREM1 Signaling Pathways in the Infected Canine Macrophage Cells, DH82, Through Transcriptomic Analysis. 2021 , 8, 619759	1
587	Neuromodulation by the immune system: a focus on cytokines. <i>Nature Reviews Immunology</i> , 2021 , 21, 526-541	39
586	Toll-Like Receptors and Dental Mesenchymal Stromal Cells 2021 , 2, 648901	2
585	Association Between TLR4 Gene Polymorphisms and Risk of Preeclampsia: Systematic Review and Meta-Analysis. 2021 , 27, e930438	0
584	Epigenetic Remodeling in Innate Immunity and Inflammation. 2021 , 39, 279-311	13
583	Emerging concepts in the science of vaccine adjuvants. 2021 , 20, 454-475	115
582	DnaK Stimulates the Production of Pentraxin 3 via TLR4-Dependent NF- B and ERK Signaling Pathways. 2021 , 22,	O
581	Therapeutic aspects of cell signaling and communication in Duchenne muscular dystrophy. 2021 , 78, 4867-4891	4
580	Prognostic value of intratumoral Fusobacterium nucleatum and association with immune-related gene expression in oral squamous cell carcinoma patients. 2021 , 11, 7870	4
579	Role of Adaptor Protein Myeloid Differentiation 88 (MyD88) in Post-Subarachnoid Hemorrhage Inflammation: A Systematic Review. 2021 , 22,	5
578	Structurally diverse genes encode TLR13 in Nile tilapia: The two receptors can recognize Streptococcus 23S RNA and conduct signal transduction through MyD88. 2021 , 132, 60-78	8

(2021-2021)

577	Sampling the cultivation parameter space for the bacterial production of TLR1 intracellular domain reveals the multiple optima. 2021 , 181, 105832	1
576	Recombinant bacterial endotoxin testing: a proven solution. 2021 , 70, 290-300	1
575	Salmonella Typhimurium and inflammation: a pathogen-centric affair. 2021 , 19, 716-725	15
574	Increased circulating IL-18 levels in severe mental disorders indicate systemic inflammasome activation.	
573	Contemporary evolution of the innate immune receptor gene TLR3 in an isolated vertebrate population. 2021 , 30, 2528-2542	2
572	DNMT3A haploinsufficiency causes dichotomous DNA methylation defects at enhancers in mature human immune cells. 2021 , 218,	5
571	Toll-like receptor-7/8 agonist kill Leishmania amazonensis by acting as pro-oxidant and pro-inflammatory agent. 2021 , 73, 1180-1190	1
570	Wireless Localized Electrical Stimulation Generated by an Ultrasound-Driven Piezoelectric Discharge Regulates Proinflammatory Macrophage Polarization. 2021 , 8, 2100962	8
569	Lessons in Innate and Allergic Immunity From Dust Mite Feces and Tick Bites 2021 , 2, 692643	О
568	Toll-Like Receptor 2 (TLR2) Knockout Abrogates Diabetic and Obese Phenotypes While Restoring Endothelial Function via Inhibition of NOX1. 2021 , 70, 2107-2119	7
567	The C-X-C Motif Chemokine Ligand 1 Sustains Breast Cancer Stem Cell Self-Renewal and Promotes Tumor Progression and Immune Escape Programs. 2021 , 9, 689286	8
566	Clinical Effects and Predictive Factors Affecting the Clinical Severity of Scorpion Envenomations in Western Turkey. 2021 , 67,	1
565	Influences Gasdermin-D-Dependent Pyroptosis of the Lung via Regulating Toll-Like Receptor 2-Mediated Regulatory T Cell Differentiation. 2021 , 2021, 5538612	О
564	Co-expression analysis identifies neuro-inflammation as a driver of sensory neuron aging in Aplysia californica. 2021 , 16, e0252647	О
563	Swine Inflammation and Necrosis Syndrome (SINS). 2021 , 11,	1
562	Toll-Like Receptor Signaling Pathways: Novel Therapeutic Targets for Cerebrovascular Disorders. 2021 , 22,	1
561	Cnidarian Pattern Recognition Receptor Repertoires Reflect Both Phylogeny and Life History Traits. 2021 , 12, 689463	2
560	Characterization of a Nanovaccine Platform Based on an 4,2-Mannobiose Derivative Shows Species-non-specific Targeting to Human, Bovine, Mouse, and Teleost Fish Dendritic Cells. 2021 , 18, 2540-255	5 ¹

559	Exploring the regulatory roles of circular RNAs in the pathogenesis of atherosclerosis. 2021 , 141, 106898	6
558	A review of pharmacological and pharmacokinetic properties of Forsythiaside A. 2021 , 169, 105690	11
557	Platelet Innate Immune Receptors and TLRs: A Double-Edged Sword. 2021 , 22,	9
556	Coronavirus Pandemic: Role of Bats And Zoonotic Transmission in Humans. 2021 , 2,	
555	The Role of Microbiota in the Pathogenesis of Esophageal Adenocarcinoma. 2021, 10,	1
554	Transcriptomic analysis of equine chorioallantois reveals immune networks and molecular mechanisms involved in nocardioform placentitis. 2021 , 52, 103	2
553	Toll-like receptor 9 and 4 gene polymorphisms in susceptibility and severity of malaria: a meta-analysis of genetic association studies. 2021 , 20, 302	0
552	Polymorphisms in genes related to oxidative stress and inflammation: Emerging links with the pathogenesis and severity of Cerebral Cavernous Malformation disease. 2021 , 172, 403-417	4
551	Application of Ligature-Induced Periodontitis in Mice to Explore the Molecular Mechanism of Periodontal Disease. 2021 , 22,	5
550	Innate Immune Responses to Herpesvirus Infection. 2021 , 10,	2
549	Cytological Diagnosis of Infectious Diseases: Identification of Pathogens and Recognition of Cellular Reactions.	2
548	Modulation of Toll-like receptor 1 intracellular domain structure and activity by Zn ions. 2021 , 4, 1003	Ο
547	Visceral Adipose Tissue: A New Target Organ in Virus-Induced Type 1 Diabetes. 2021 , 12, 702506	1
546	Overcoming Chemoimmunotherapy-Induced Immunosuppression by Assemblable and Depot Forming Immune Modulating Nanosuspension. 2021 , 8, e2102043	7
545	Foundational concepts in the biology of bacterial keratitis. 2021 , 209, 108647	6
544	Extracellular Vesicles in Skin Wound Healing. 2021 , 14,	7
543	Oral Bacteria Combined with an Intranasal Vaccine Protect from Influenza A Virus and SARS-CoV-2 Infection. 2021 , 12, e0159821	1
542	Mycobacterium avium subsp. hominissuis (MAH) Microaggregate induction of host innate immunity is linked to biofilm formation. 2021 , 157, 104977	1

541	Plasminogen activator receptor assemblies in cell signaling, innate immunity, and inflammation. 2021 , 321, C721-C734	O
540	Light-Inducible Spatio-Temporal Control of TLR4 and NF- B -Gluc Reporter in Human Pancreatic Cell Line. 2021 , 22,	1
539	A 192 bp ERV fragment insertion in the first intron of porcine TLR6 may act as an enhancer associated with the increased expressions of TLR6 and TLR1. 2021 , 12, 20	O
538	Interleukin-33 coordinates a microglial phagocytic response and limits corticothalamic excitability and seizure susceptibility.	1
537	Evolution of Toll-like receptor 7/8 agonist therapeutics and their delivery approaches: From antiviral formulations to vaccine adjuvants. 2021 , 175, 113803	13
536	SCIMP is a spatiotemporal transmembrane scaffold for Erk1/2 to direct pro-inflammatory signaling in TLR-activated macrophages. 2021 , 36, 109662	3
535	Extracellular matrix protein N-glycosylation mediates immune self-tolerance in. 2021, 118,	O
534	COVID-19 Infection in Children, Infants and Pregnant Subjects: An Overview of Recent Insights and Therapies. 2021 , 9,	4
533	Identification of Core Genes of Toll-like Receptor Pathway from and Induced Expression upon Immune Stimulant. 2021 , 12,	1
532	Meta-analysis of immune induced gene expression changes in diverse Drosophila melanogaster innate immune responses.	
531	IL-1 Mediates Microbiome-Induced Inflamm-Ageing of Hematopoietic Stem Cells in Mice. 2021,	6
530	Iron oxide nanoparticle targeted chemo-immunotherapy for triple negative breast cancer 2021 , 50, 149-169	4
529	Pattern recognition receptors as therapeutic targets for bacterial, viral and fungal sepsis. 2021 , 98, 107909	1
528	The Combined Effect of Potential Probiotic Bacillus licheniformis MCC 2514 and Bifidobacterium breve NCIM 5671 Towards Anti-inflammatory Activity on HT-29 Cell Lines. 2021 , 1	1
527	and aspergillosis: From basics to clinics. 2021 , 100, 100115	22
526	A20 Inhibits LPS-Induced Inflammation by Regulating TRAF6 Polyubiquitination in Rainbow Trout. 2021 , 22,	2
525	sEH promotes macrophage phagocytosis and lung clearance of Streptococcus pneumoniae. 2021 , 131,	2
524	Apoptosis signal-regulating kinase 1 (ASK1) inhibition reduces endothelial cytokine production without improving permeability after toll-like receptor 4 (TLR4) challenge. 2021 , 235, 115-128	3

523	Toll-Like Receptor Response to Hepatitis B Virus Infection and Potential of TLR Agonists as Immunomodulators for Treating Chronic Hepatitis B: An Overview. 2021 , 22,	5
522	Toll-like receptor 2 signaling in liver pathophysiology. 2021 , 284, 119941	O
521	Genome-wide identification, characterization, and expression of the Toll-like receptors in Japanese flounder (Paralichthys olivaceus). 2021 , 545, 737127	2
520	Immunotoxicity of polychlorinated biphenyls (PCBs) to the marine crustacean species, Scylla paramamosain. 2021 , 291, 118229	3
519	Emerging evidence of Toll-like receptors as a putative pathway linking maternal inflammation and neurodevelopmental disorders in human offspring: A systematic review. 2022 , 99, 91-105	2
518	Freshwater mussels (Unionidae) brought into captivity exhibit up-regulation of genes involved in stress and energy metabolism. 2021 , 11, 2241	O
517	Differences in Highly Pathogenic H5N6 Avian Influenza Viral Pathogenicity and Inflammatory Response in Chickens and Ducks. 2021 , 12, 593202	2
516	The regulation of FGF23 production in bone and outside of bone. 2021 , 31-51	
515	Perivascular Inflammation and Extracellular Matrix Alterations in Blood-Brain Barrier Dysfunction and Epilepsy. 2021 , 71-106	1
514	Bifidobacterium bifidum strains synergize with immune checkpoint inhibitors to reduce tumour burden in mice. 2021 , 6, 277-288	29
513	AN OVERVIEW OF SUBUNIT-BASED VACCINES FOR PULMONARY ADMINISTRATION. 109-130	
512	Gastrointestinal Manifestations of Immunodeficiency. 2021 , 429-450.e7	
511	Gas6 negatively regulates the Staphylococcus aureus-induced inflammatory response via TLR signaling in the mouse mammary gland. 2020 , 235, 7081-7093	7
510	Receptors and Adaptors for NF- B Signaling. 2006 , 26-40	2
509	Induction and regulation of allergen-specific IgE. 13-27	1
508	Leukocyte migration to pancreatic islets: a critical step in the pathogenesis of type 1 diabetes. 2006 , 167-179	1
507	Development of The Immune System In The Foetal and Perinatal Period. 2005 , 25-30	2
506	Targeting TRAfs for therapeutic intervention. 2007 , 597, 188-201	27

(2002-2014)

505	Single-step antigen loading and maturation of dendritic cells through mRNA electroporation of a tumor-associated antigen and a TriMix of costimulatory molecules. 2014 , 1139, 3-15	11
504	Measurement of macrophage toll-like receptor 4 expression after morphine treatment. 2015 , 1230, 263-71	2
503	Immune and Antiviral Effects of the Synthetic Immunomodulator Murabutide. 2006, 193-219	3
502	Probiotics and Immunomodulation. 2010 , 625-655	1
501	Infection and the Kidney. 2011 , 293-304	2
500	Intracellular Delivery: An Overview. 2019 , 3-41	3
499	Micronutrients that Affect Immunosenescence. 2020 , 1260, 13-31	3
498	MicroRNAs in the Tumor Microenvironment. 2020 , 1277, 1-31	3
497	Current and potential therapies for the treatment of herpes-virus infections. 2003, 60, 263-307	53
496	Heat shock protein receptors, functions and their effect on monocytes and dendritic cells. 2003, 193-216	3
495	Immune/Inflammatory Aspects. 2010 , 239-267	1
494	Toll-like receptors in CNS parasitic infections. 2009 , 336, 83-104	18
493	Toll-like receptors in neurodegeneration. 2009 , 336, 105-20	38
492	Toll-like receptors in spinal cord injury. 2009 , 336, 121-36	35
491	Lipopolysaccharides. 2010 , 133-153	24
490	Macrophage Immunity and Mycobacterium tuberculosis. 2003, 409-457	2
489	Toll-like receptor-5 and the innate immune response to bacterial flagellin. 2002, 270, 93-108	51
488	Bacterial CpG-DNA licenses TLR9. 2002 , 270, 145-54	47

487	CLEC5A: A Promiscuous Pattern Recognition Receptor to Microbes and Beyond. 2020 , 1204, 57-73	8
486	Distinctively Expressed Cytokines by Three Different Inflammation Cells and Their Interaction with Keratinocytes in Wound Healing. 2017 , 40, 2151-2162	4
485	Pathobiology of the Periapex. 2011 , 529-558	11
484	Local hormones, inflammation and immune reactions. 2007 , 202-225	2
483	Pathophysiology and Prevention of Neonatal Necrotizing Enterocolitis. 2004, 1169-1174	3
482	Regulation of Immune Responses by Vitamin D Receptor Ligands. 2005 , 631-648	2
481	THE IMMUNE SYSTEM AND THE INFLAMMATORY RESPONSE. 2005 , 19-63	1
480	The Intestinal Microbiota and the Microbiome. 2008 , 73-92	3
479	Helicobacter pylori. 2010 , 833-843.e4	4
478	Effects of CpG-B ODN on the protein expression profile of swine PBMC. 2007 , 38, 795-808	4
477	Propolis from southeastern Brazil produced by Apis mellifera affects innate immunity by modulating cell marker expression, cytokine production and intracellular pathways in human monocytes. 2021 , 73, 135-144	8
476	Toll-Like Receptors, Associated Biochemical Signaling Networks, and S100 Ligands. 2021 , 56, 167-177	2
475	The Role of Toll-Like Receptors in Osteoclastogenesis. 2020 , 27, 227-235	5
474	A Targeted Vaccine against COVID-19: S1-Fc Vaccine Targeting the Antigen-Presenting Cell Compartment Elicits Protection against SARS-CoV-2 Infection.	2
473	Cell Biology of the Chlamydial Inclusion. 170-191	3
472	Role of Flagella in Mucosal Colonization. 213-235	5
471	Toll-Like Receptors and Control of Adaptive Immunity. 271-285	1
47°	Upregulation of Innate Defense Mechanisms by Enteric Infections. 155-174	1

469	Ontogeny of the Host Response to Enteric Microbial Infection. 333-349	1
468	Murine Schistosomiasis. 147-172	1
467	Exploiting dendritic cells to improve vaccine efficacy. 2002 , 109, 1519-1526	228
466	Exploiting dendritic cells to improve vaccine efficacy. 2002 , 109, 1519-26	89
465	Critical role of the Toll-like receptor signal adaptor protein MyD88 in acute allograft rejection. 2003 , 111, 1571-8	96
464	TLR4 signaling induces TLR2 expression in endothelial cells via neutrophil NADPH oxidase. 2003 , 112, 1234-43	209
463	A serine/threonine kinase, Cot/Tpl2, modulates bacterial DNA-induced IL-12 production and Th cell differentiation. 2004 , 114, 857-66	68
462	Critical role of the Toll-like receptor signal adaptor protein MyD88 in acute allograft rejection. 2003 , 111, 1571-1578	242
461	Inflammation, stress, and diabetes. 2005 , 115, 1111-9	2248
460	Modulation of atherosclerosis in mice by Toll-like receptor 2. 2005 , 115, 3149-56	430
460 459	Modulation of atherosclerosis in mice by Toll-like receptor 2. 2005 , 115, 3149-56 A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006 , 116, 2237-43	430
	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal	
459	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006 , 116, 2237-43	44
459 458	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006, 116, 2237-43 HMGB1 as a DNA-binding cytokine. 2002, 72, 1084-1091	44 54
459 458 457	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006, 116, 2237-43 HMGB1 as a DNA-binding cytokine. 2002, 72, 1084-1091 Innate Immunity of Fish. 2009, 145-184	44543
459 458 457 456	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006, 116, 2237-43 HMGB1 as a DNA-binding cytokine. 2002, 72, 1084-1091 Innate Immunity of Fish. 2009, 145-184 Langerhans Cells and Other Skin Dendritic Cells. 2004, 123-182	445431
459 458 457 456 455	A crucial role for plasmacytoid dendritic cells in antiviral protection by CpG ODN-based vaginal microbicide. 2006, 116, 2237-43 HMGB1 as a DNA-binding cytokine. 2002, 72, 1084-1091 Innate Immunity of Fish. 2009, 145-184 Langerhans Cells and Other Skin Dendritic Cells. 2004, 123-182 Transplantation Tolerance. 2008, 405-415 Toll-Like Receptor 4 (TLR4) Stimulates Synovial Injury of Temporomandibular Joint in Rats Through	44 54 3 1

451	Infection-induced 5'-half molecules of tRNAHisGUG activate Toll-like receptor 7. 2020 , 18, e3000982	16
450	Evolutionary dynamics of human Toll-like receptors and their different contributions to host defense. 2009 , 5, e1000562	272
449	Toll-like receptor-2 mediates diet and/or pathogen associated atherosclerosis: proteomic findings. 2008 , 3, e3204	74
448	TRAF6 is required for generation of the B-1a B cell compartment as well as T cell-dependent and -independent humoral immune responses. 2009 , 4, e4736	38
447	MHC class II molecules enhance Toll-like receptor mediated innate immune responses. 2010 , 5, e8808	54
446	The D299G/T399I Toll-like receptor 4 variant associates with body and liver fat: results from the TULIP and METSIM Studies. 2010 , 5, e13980	21
445	Interaction of Crohn's disease susceptibility genes in an Australian paediatric cohort. 2010 , 5, e15376	21
444	Oligonucleotide microarray analysis of age-related gene expression profiles in miniature pigs. 2011 , 6, e19761	5
443	Modulation of Wnt5a expression by periodontopathic bacteria. 2012 , 7, e34434	42
442	MyD88 associated ROS generation is crucial for Lactobacillus induced IL-12 production in macrophage. 2012 , 7, e35880	21
441	A novel chromone derivative with anti-inflammatory property via inhibition of ROS-dependent activation of TRAF6-ASK1-p38 pathway. 2012 , 7, e37168	25
440	Principal component analysis of the cytokine and chemokine response to human traumatic brain injury. 2012 , 7, e39677	78
439	Role of toll like receptors in irritable bowel syndrome: differential mucosal immune activation according to the disease subtype. 2012 , 7, e42777	86
438	Different patterns of expression and of IL-10 modulation of inflammatory mediators from macrophages of Lyme disease-resistant and -susceptible mice. 2012 , 7, e43860	21
437	HMGB in mollusk Crassostrea ariakensis Gould: structure, pro-inflammatory cytokine function characterization and anti-infection role of its antibody. 2012 , 7, e50789	11
436	Three-dimensional structure of human NLRP10/PYNOD pyrin domain reveals a homotypic interaction site distinct from its mouse homologue. 2013 , 8, e67843	23
435	IL-10 is significantly involved in HSP70-regulation of experimental subretinal fibrosis. 2013 , 8, e80288	17
434	Macrophage contact dependent and independent TLR4 mechanisms induce ⊞cell dysfunction and apoptosis in a mouse model of type 2 diabetes. 2014 , 9, e90685	24

433	In vitro inflammation inhibition model based on semi-continuous toll-like receptor biosensing. 2014 , 9, e105212	8
432	Evaluation of Toll-Like receptor 2 and 4 RNA expression and the cytokine profile in postmenopausal women with metabolic syndrome. 2014 , 9, e109259	4
431	Brucella spp. Lumazine Synthase Induces a TLR4-Mediated Protective Response against B16 Melanoma in Mice. 2015 , 10, e0126827	15
430	Replication-Competent Foamy Virus Vaccine Vectors as Novel Epitope Scaffolds for Immunotherapy. 2015 , 10, e0138458	14
429	Lipopolysaccharide Cross-Tolerance Delays Platelet-Activating Factor-Induced Sudden Death in Swiss Albino Mice: Involvement of Cyclooxygenase in Cross-Tolerance. 2016 , 11, e0153282	7
428	Characterization of NF- B Reporter U937 Cells and Their Application for the Detection of Inflammatory Immune-Complexes. 2016 , 11, e0156328	8
427	Impaired toll like receptor-7 and 9 induced immune activation in chronic spinal cord injured patients contributes to immune dysfunction. 2017 , 12, e0171003	6
426	T cell-intrinsic TLR2 stimulation promotes IL-10 expression and suppressive activity by CD45RbHi T cells. 2017 , 12, e0180688	9
425	Lipopolysaccharide-induced innate immune responses are exacerbated by Prohibitin 1 deficiency and mitigated by S-adenosylmethionine in murine macrophages. 2020 , 15, e0241224	4
424	Sepsis Diagnostics in the Era of "Omics" Technologies. 2018 , 119, 9-29	7
423	Evidence of activation of the Toll-like receptor-4 proinflammatory pathway in patients with schizophrenia. 2016 , 41, E46-55	41
422	Everolimus-Eluting Stents Reduce Monocyte Expression of Toll-Like Receptor 4. 2015 , 5, 643-7	6
421	Evaluating Effect of Mesenchymal Stem Cells on Expression of TLR2 and TLR4 in Mouse DCs. 2016 , 6, 179-86	1
420	Haematopoietic stem cell gene therapy with IL-1Ra rescues cognitive loss in mucopolysaccharidosis IIIA. 2020 , 12, e11185	11
419	Probiotics and the management of food allergy. 2003 , 108-131	5
418	Role of ceruloplasmin as a low grade chronic inflammatory marker and activated innate immune system in pathogenesis of diabetes mellitus. 2018 , 5, 148-153	O
417	Role of S180L polymorphism in etiology of malaria caused by Plasmodium falciparum in a small group of Pakistani population. 2015 , 15, 20-3	1
416	Aging: a portrait from gene expression profile in blood cells. 2016 , 8, 1802-21	9

415	Age-related changes in expression and signaling of TAM receptor inflammatory regulators in monocytes. 2018 , 9, 9572-9580	5
414	Polymorphisms in the CHIT1 gene: Associations with colorectal cancer. 2016 , 7, 39572-39581	11
413	Gut microbiota: a new player in regulating immune- and chemo-therapy efficacy. 2020 , 3, 356-370	9
412	A Model for Evolutionary Ecology of Disease: The Case for Caenorhabditis Nematodes and Their Natural Parasites. 2018 , 49, 357-372	5
411	Immunosupportive therapies in aging. 2007 , 2, 33-54	40
410	Neutrophils as Sentinel Cells of the Immune System: A Role of the MPO-halide-system in Innate and Adaptive Immunity. 2020 , 27, 2840-2851	6
409	Targeting Toll like Receptors in Cancer: Role of TLR Natural and Synthetic Modulators. 2020 , 26, 5040-5053	6
408	Single Stranded DNA Immune Modulators with Unmethylated CpG Motifs: Structure and Molecular Recognition by Toll-Like Receptor 9. 2019 , 20, 1060-1068	3
407	Potential Medications or Compounds Acting on Toll-like Receptors in Cerebral Ischemia. 2018 , 16, 160-175	21
406	Toll-like receptors in skin infections and inflammatory diseases. 2008 , 8, 144-55	80
405	Ocular Surface as Barrier of Innate Immunity. 2015 , 9, 49-55	22
404	TLR Cross-Talk Mechanism of Hemorrhagic Shock-Primed Pulmonary Neutrophil Infiltration. 2010 , 2, 1-8	24
403	Reciprocal regulation of STING and TCR signaling by mTORC1 for T-cell activation and function. 2019 , 2,	19
402	Rickettsialpox. 2007 , 63-86	4
401	Lipotoxicity, Nutrient-Sensing Signals, and Autophagy in Diabetic Nephropathy. 2020 , 3, 87-94	7
400	Monitoring of the course of sepsis in hematooncological patients by extrapituitary prolactin expression in peripheral blood monocytes. 2012 , 61, 481-8	5
399	[Isolation of new alleles of the swine TLR4 gene and analysis of its genetic variation]. 2011, 33, 163-7	1
398	EFFECT OF DIETARY COPPER LEVEL ON THE IMMUNITY, VIBRIO-RESISTANT ABILITY, LYSOZYME mRNA AND TOLL RECEPTOR mRNA EXPRESSIONS IN THE WHITE SHRIMP LITOPENAEUS VANNAMEI. 2013 , 36, 809-816	1

(2015-2015)

397	Comparison Study of Immunomodulatory Activity of Polysaccharide and Ethanol Extracted from Sargassum fulvellum. 2015 , 44, 1621-1628	4
396	Immunological Synergistic Effects of Combined Treatment with Herbal Preparation (HemoHIM) and Red Ginseng Extracts. 2015 , 44, 182-190	8
395	Novel susceptibility genes in inflammatory bowel disease. 2006 , 12, 1991-9	21
394	Controversial role of toll-like receptors in acute pancreatitis. 2013 , 19, 616-30	28
393	Mitochondrial DNA from hepatocytes as a ligand for TLR9: Drivers of nonalcoholic steatohepatitis?. 2016 , 22, 6965-71	13
392	Ganoderma lucidum ethanol extract inhibits the inflammatory response by suppressing the NF- B and toll-like receptor pathways in lipopolysaccharide-stimulated BV2 microglial cells. 2013 , 5, 957-963	33
391	The role of glial cells in epilepsy. 2014 , 134, 37-41	20
390	High acid phosphatase level in the gingival tissues of periodontitis subjects. 2015 , 6, 59-63	3
389	Toll like receptors (TLRs) in response to human gut microbiota of Indian obese and lean individuals. 2019 , 8, 1567-1570	3
388	Evaluation of the immunobiological effects of a regenerative far-infrared heating system in pigs. 2019 , 20, e61	2
387	Oxidative Stress and Inflammation. 2019 , 09, 1-20	13
386	The role of toll-like receptors (TLRs) in urinary tract infections (UTIs). 2016 , 69, 404-410	32
385	Finding immune gene expression differences induced by marine bacterial pathogens in the deep-sea hydrothermal vent mussel <i>Bathymodiolus azoricus</i> .	1
384	Modulation of TNFSF expression in lymphoid tissue inducer cells by dendritic cells activated with Toll-like receptor ligands. 2011 , 44, 129-34	5
383	glomerular diseases after renal transplantation: How is it different from recurrent glomerular diseases?. 2017 , 7, 285-300	8
382	Targeting Microglial and Neuronal Toll-like Receptor 2 in Synucleinopathies. 2019 , 28, 547-553	14
381	Differential Expression of Th1- and Th2- Type Cytokines in Peripheral Blood Mononuclear Cells of Murrah Buffalo (Bubalus Bubalis) on TLR2 Induction by B. Subtilis Peptidoglycan. 2012 , 25, 1021-8	4
380	Relative Expression of Toll-Like Receptors 2 and 7 mRNA in Peripheral Blood of Patients With Hepatitis C. 2015 , 15, e30427	5

379	Hydrocortisone reduces Toll-like receptor 4 expression on peripheral CD14+ monocytes in patients undergoing percutaneous coronary intervention. 2014 , 18, 76-81	5
378	Different routes to the same destination. 2013 , 2, e00572	1
377	Drainage of inflammatory macromolecules from the brain to periphery targets the liver for macrophage infiltration. 2020 , 9,	6
376	The Inhibitory Effect of Quercetin on Adipose Tissue Inflammation in Mice Fed on a High-fat Diet. 2014 , 23, 170	8
375	Selective constraint acting on TLR2 and TLR4 genes of Japanese frogs. 2018, 6, e4842	4
374	Oxidative stress as a potential target in acute kidney injury. 2019 , 7, e8046	28
373	Remifentanil protects heart from myocardial ischaemia/reperfusion (I/R) injury via miR-206-3p/TLR4/NF- B signalling axis. 2021 ,	3
372	Role of interferon regulatory factor-mediated signaling in psoriasis. 2021 , 18, 3794-3799	o
371	Ontogeny of Carbon Monoxide-Related Gene Expression in a Deep-Diving Marine Mammal. 2021 , 12, 762102	0
370	SARS-CoV-2 subunit vaccine adjuvants and their signaling pathways. 2021 , 1-13	3
369	The NLRP3 Inflammasome: Relevance in Solid Organ Transplantation. 2021 , 22,	1
368	Study supplementation of astaxanthin in high-fat diet on growth performance, antioxidant ability, anti-inflammation, non-specific immunity and intestinal structure of juvenile Trachinotus ovatus. 2021 , 27, 2575	1
367	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
366	Toll-Like Receptor 4 Regulates Rabies Virus-Induced Humoral Immunity through Recruitment of Conventional Type 2 Dendritic Cells to Lymph Organs. 2021 , 95, e0082921	3
365	Antigen-Presenting Cells and Vaccine Design. 2003, 67-87	
364	Detection and Control of Fungi by Macrophages: The Role of Carbohydrates and Antifungal Agents. 2003 , 459-478	
363	Toll-like receptors and the cardiovascular system. 2003 , 129-141	
362	Toll Family Receptors. 2003 , 333-337	

361	Toll-like receptor 4 in sepsis: where do we stand?. 2003 , 1075-1087	
360	Heat shock protein-mediated activation of innate immune cells. 2003 , 43-54	1
359	Dendritic Cell Vaccines. 2004 , 317-329	
358	Type I Diabetes Mellitus, Infection and Toll-like Receptors. 2004 , 505-513	
357	Inhibition of nitric-oxide-mediated vasodilation (including K+ channels). 2004, 133-143	
356	Immune Adjuvants. 2004 , 99-114	
355	Cytokines in CNS Inflammation. 2005 , 113-136	
354	Recent Advances in the Immunology of the Respiratory Tract. 2005 , 63-93	
353	The Immunomodulatory Glycan LNFPIII/Lewis X Functions As a Potent Adjuvant for Protein Antigens. 2006 , 177-191	1
352	Adjuvants and the Initiation of T-Cell Responses. 2006 , 49-67	1
351	The Innate Immune Response. 2007 , 1-3	
350	Dendritic Cells as Keepers of Peripheral Tolerance. 2007 , 129-170	
349	Toll-like Receptors in Host Defense and Immune Disorders. 2007 , 23, 97-105	
348	NLRs: a Cytosolic Armory of Microbial Sensors Linked to Human Diseases. 2008 , 169-185	
347	Cancer and the Cellular Immune Response. 2008 , 635-647	
346	Therapeutic Strategies Targeting the Innate Antiviral Immune Response. 2008, 223-251	
345	Lung Defenses. 2008 , 49-63	1
344	Mucosal Immune System and Malnutrition. 155-177	

343	Characteristics of Dendritic Cell Responses to Nucleic Acids. 2008 , 43-58
342	Structural Analysis of Toll-Like Receptors. 2008 , 3-15
341	Proteoliposome as a Nanoparticle for Vaccine Adjuvants. 2008,
340	Insulin Resistance and Inlfammatory Signaling Pathways Modulated by High-Fat Diet. 2008,
339	Lipopolysaccharide in liver disease. 2009 , 107-120
338	VACCINES. 2009 , 1247-1268
337	Immune Adjuvants. 2009 , 627-652
336	Signal Transduction. 2009 , 337-342
335	The Neutrophil and Inflammation. 2009, 777-784
334	Sepsis Syndromes. 2010 , 1848-1858
333	Pattern Recognition.
332	Phagocytes Part 1: Macrophages.
331	Hepatic Ischemia/Reperfusion Injury. 2011 , 397-410
330	Virus-Induced Type 1 Diabetes in the Rat. 2011 , 215-229
329	Pathophysiology and Prevention of Neonatal Necrotizing Enterocolitis. 2011, 1256-1261
328	Effect of antimicrobial cathelicidin peptides on the endothelial cell apoptosis. 2011 , 31, 375-381
327	The gastrointestinal tract. 2011 , 1375-1442
326	Potential Mechanisms of Enteric Cytoprotection by Probiotics: Lessons from Cultured Human Intestinal Cells. 2011 , 375-397

325	Principles of innate immunity. 2011 , 141-151	
324	Glycated Serum Albumin Induces Interleukin-6 Expression in Vascular Smooth Muscle Cells. 2011 , 21, 36-43	
323	Immunobiology of the Liver. 2011 , 29-35	
322	Growth Factors in Glial Tumors. 2011 , 1124-1132	
321	Regulatory Roles of B Cells in Allergy and Inflammation. 67-77	0
320	Real-time PCR in analysis of TLR4, NF- B and I B gene expression in small intestine of rats with open abdominal injury after seawater immersion. 2011 , 31, 688-691	
319	Inflammasomes in Inflammatory Bowel Disease. 2012 , 111-118	
318	Anti-inflammatory Activity of Carpinus tschonoskii Leaves Extract in R848-stimulated Bone Marrow-derived Macrophages and Dendritic Cells. 2012 , 42, 77	1
317	Cellular mechanisms. 2012 , 77-88	
316	Proteomic updates on sepsis. 2012 , 58, 376-382	
315	Innate Immune Signaling and Alcoholism. 2013 , 251-278	1
314	Immunotherapy for Cutaneous T-Cell Lymphoma. 2013 , 307-316	
313	A Novel Malware Detection Framework Based on Innate Immunity and Danger Theory. 2013, 29-34	
312	Basic Vaccine Immunology. 2013 , 23-58	
311	Structural Genomic Variation in Pattern Recognition Receptors and Cardiovascular Diseases. 2013, 153-167	
310	Innate Immune Responses and Bronchiolitis Obliterans Syndrome. 2013 , 147-167	
309	Hepatic Immunology. 13-25	
308	Introduction. 2014 , 1-16	

307	Nonalcoholic Fatty Liver Disease. 2014 , 345-359	
306	Inflammatory Processes in the Dental Pulp. 2014 , 97-112	Ο
305	Differential systemic MyD88-dependent versus MyD88- independent cytokine ratio by etiologic agent in adults with severe community-acquired pneumonia. 2014 , 2, 6	
304	Mucosal Immunology and Oral Vaccination. 2014 , 15-42	O
303	Sepsis. 2014 , 273-312	
302	Heterologous Hosts and the Evolution and Study of Fungal Pathogenesis. 213-225	
301	The Function of Leukocyte Immunoglobulin-Like Receptors in Self-Tolerance, Viral Recognition, and Regulation of Adaptive Responses. 301-312	
300	Cytokines and Macrophages and Dendritic Cells: Key Modulators of Immune Responses. 281-299	
299	Innate Immunity to Candida Infections. 155-170	
298	LISTERIA MONOCYTOGENES: SPREADING AND MECHANISMS OF IMMUNE RESPONSE. 2014 , 2, 627	
297	Glutamine Therapy in Colitis Models. 2015 , 339-356	
296	Effects of Kaempferol on Lippolysaccharide-induced Inflammation in Mouse Brain. 2015 , 30, 77-84	
295	Immune Homeostasis: Activation and Downregulation of NF-B. 2015, 1-44	
294	Principles of innate immunity. 2015 , 127-133	
293	Adverse Effects of By-products from Polymers Used for Joint Replacement. 2015 , 225-256	
292	Molecular Characterization and Expression Analysis of a Toll-like receptor 2/6 gene from Abalone (Haliotis discus hannai). 2015 , 31, 233-241	
291	Basic Vaccine Immunology. 2016 , 25-61	
290	Toll-Like Receptor Gene Expression in Nasal Polyp. 2016 , 05, 90-95	

289	Enhancing Effect of Pteridium aquilinum and Aster scaber Added Doenjang on Immunomodulatory Activity. 2016 , 45, 445-451	
288	Conclusion. 2016 , 253-257	
287	Immunomodulatory Activity of Crude Polysaccharide Separated from Cudrania tricuspidata Leaf. 2016 , 45, 1099-1106	2
286	Platelet-activating factor and oxidized phosphatidylcholines do not suppress endotoxin-induced pro-inflammatory signaling among human myeloid and endothelial cells. 2017 , 1, 108-123	
285	Host B iofilm Interactions at Mucosal Surfaces and Implications in Human Health. 2017 , 203-236	
284	TLR Signalling: Beyond Immunity. 1-7	
283	POLYMORPHISM OF GENES OF TOLL-LIKE RECEPTORS AS A POTENTIAL FACTOR OF PREDISPOSITION TO TUBERCULOSIS. 2018 , 96, 11-16	3
282	Signal Transduction Changes in Human Neutrophils with Age. 2018 , 1-16	
281	Role of Gut Microbiota in 1mmune Homeostasis. 2018 , 135-154	О
280	Bacterial clearance enhanced by 2 , 3- and 2 , 6-sialyllactose via receptor-mediated endocytosis and phagocytosis.	
279	In Silico Evaluation of Deleterious SNPs in Chicken TLR3 and TLR4 Genes. 2018, 45, 209-217	
278	Toll-Like Receptor-Mediated Endocytosis in Infectious Disease. 2019 , 323-349	1
277	Signal Transduction Changes in Human Neutrophils with Age. 2019 , 891-906	
276	Identification of porcine RUNX1 as an LPS-dependent gene expression regulator in PBMCs by Super deepSAGE sequencing of multiple tissues.	
275	Dehydrocostus Lactone Suppresses the Expression of iNOS Induced by TLR Agonists. 2019 , 25, 267-274	
274	Downregulation of FSTL-1 attenuates the inflammation injury during Streptococcus pneumoniae infection by inhibiting the NLRP3 and TLR4/NF- B signaling pathway. 2019 , 20, 5345-5352	5
273	Immunological Activity of Annelida (Lumbricus rubellus) Water Extracts. 2019 , 1, 58-65	
272	Computer-guided Binding Mode Identification and Affinity Improvement of an LRR Protein Binder without Structure Determination.	

271	Relaxation of selective constraints shapes variation of toll-like receptors in a colonial waterbird, the black-headed gull. 2020 , 72, 251-262	0
270	Drainage of inflammatory macromolecules from brain to periphery targets the liver for macrophage infiltration.	
269	Exploiting viral sensing mediated by Toll-like receptors to design innovative vaccines. 2021 , 6, 127	8
268	Role of toll-like receptor 4 in diabetic retinopathy. 2021 , 175, 105960	O
267	Gut-derived lipopolysaccharide remodels tumoral microenvironment and synergizes with PD-L1 checkpoint blockade via TLR4/MyD88/AKT/NF- B pathway in pancreatic cancer. 2021 , 12, 1033	2
266	Disruption of nasal bacteria enhances protective immune responses to influenza A virus and SARS-CoV-2 infection in mice.	
265	Immunology and Immunotherapy of Ovarian Cancer. 2020 , 487-540	
264	A contribui ß da imunidade inata para o desenvolvimento de doenās autoimunes. 2016 , 50-64	
263	Increased circulating IL-18 levels in severe mental disorders indicate systemic inflammasome activation. 2022 , 99, 299-306	9
262	Myeloid dysregulation and therapeutic intervention in COVID-19. 2021 , 55, 101524	2
261	Effects of dietary Zn on growth, antioxidant capacity, immunity and tolerance to lipopolysaccharide challenge in juvenile Chinese mitten crab Eriocheir sinensis. 2022 , 53, 1110	0
260	Fish-specific TLR18 in Nile tilapia (Oreochromis niloticus) recruits MyD88 and TRIF to induce expression of effectors in NF- B and IFN pathways in melanomacrophages. 2021 , 119, 587-601	1
259	Bibliographie. 341-382	
258	The Central Role of NF-B in the Regulation of Immunity to Infection. 2006, 91-111	
257	Viral Pathogenesis and Toll-Like Receptors. 2005 , 221-243	
256	Pneumocystis. 2007 , 311-330	
255	Collectins and Pentraxins. 2007 , 151-176	
254	Interaction of Antiphospholipid Antibodies with Endothelial Cells. 2006, 415-426	

Der Fokus in der Pdiatrie. 2006, 101-116 253 Mechanisms of Tumor-Associated T-Cell Tolerance. 2008, 7-27 252 Insulin Resistance, Chronic Inflammation and the Link with Immunosenescence. 2009, 1247-1272 251 Impact of Tumour Cell Death on the Activation of Anti-tumour Immune Response. 2009, 347-370 250 Bacterial Infections. 2008, 335-361 249 Immune Circuits of the Skin. 2009, 33-44 248 Neuroinflammation and Toll-Like Receptors in the Skin. 2009, 89-102 247 Measurement of Macrophage Toll-Like Receptor 4 Expression After Morphine Treatment. 2021, 246 2201, 209-217 Dr William Coley and tumour regression: a place in history or in the future. 2003, 79, 672-80 192 245 Ketamine suppresses intestinal TLR4 expression and NF-kappaB activity in 244 14 lipopolysaccharide-treated rats. 2006, 47, 825-31 Toll-like receptors (TLRs) expression and function in response to inactivate hyphae of Fusarium 243 25 solani in immortalized human corneal epithelial cells. 2007, 13, 1953-61 Lack of association between toll-like receptor 4 gene polymorphisms and sarcoidosis-related 242 15 uveitis in Japan. **2009**, 15, 2673-82 Toll-like receptor 4 activation increases Akt phosphorylation in colon cancer cells. 2009, 29, 2473-8 241 51 Toll-Like Receptors (TLRs): The Role in Tumor Progression. 2010, 2, 21-9 240 23 Triggering of Toll-like Receptor-2 in Mouse Myelomonocytic Leukaemia Cells WEHI-3B Leads to the 239 3 Suppression of Apoptosis and Promotes Tumor Progression in Vivo. 2011, 3, 83-93 A Toll-like receptor 3 agonist (polyI:C) elicits innate host responses in the spleen and lungs of 238 6 chickens. 2012, 76, 230-4 Multiple Genotypes of the Commonly Co-Segregating Toll-Like Receptor 4 Asp299Gly and 237 4 Thr399Ile in Baluchi Malaria Patients from Iran. 2013, 15, 182-9 The expression of Toll-Like Receptors (TLRs) in testicular cancer: A case control study. 2013, 11, 919-24 236

235	Helicobacter pylori regulates TLR4 and TLR9 during gastric carcinogenesis. 2014, 7, 6950-5	21
234	Inhibitory effect of Paeonia lactiflora Pallas extract (PE) on poly (I:C)-induced immune response of epidermal keratinocytes. 2015 , 8, 5236-41	2
233	Neuroimmune Function and the Consequences of Alcohol Exposure. 2015 , 37, 331-41, 344-51	74
232	Molecular Genetic of Atopic dermatitis: An Update. 2016 , 10, 96-120	8
231	Linking Chronic Inflammation with Cardiovascular Disease: From Normal Aging to the Metabolic Syndrome. 2017 , 3,	51
230	Effectiveness of a Glycylcycline Antibiotic for Reducing the Pathogenicity of Superantigen-Producing Methicillin-Resistant in Burn Wounds. 2017 , 17, e27	1
229	Prenatal exposure to TAK242 affects the childhood autism in offspring in animal models of autism spectrum disorder. 2017 , 20, 1016-1020	
228	A Model for Evolutionary Ecology of Disease: The Case for Nematodes and Their Natural Parasites. 2017 , 49, 357-372	2
227	Abincol (Lactobacillus plantarum LP01, Lactobacillus lactis subspecies cremoris LLC02, Lactobacillus delbrueckii LDD01), an oral nutraceutical, pragmatic use in patients with chronic intestinal disorders. 2019 , 90, 8-12	
226	Expression of NF- B and TLR-4 is associated with the occurrence, progression and prognosis of esophageal squamous cell carcinoma. 2018 , 11, 5850-5859	4
225	Neuroprotective effects of natural compounds on LPS-induced inflammatory responses in microglia. 2020 , 12, 2353-2378	9
224	Immunophysiology of the avian immune system. 2022 , 571-590	O
223	The effects of mannuronic acid on IL-1plL-17A, STAT1 and STAT3 gene expression and TLR2 and TLR4 molecules in multiple sclerosis. 2021 ,	0
222	Maternal diet disrupts the placenta-brain axis in a sex-specific manner.	O
221	Hepatocellular Carcinoma in Non-Alcoholic Fatty Liver Disease: From Epidemiology to Diagnostic Approach. 2021 , 13,	5
220	SpEzle 1b Is Required to Confer Antibacterial Defense Against Gram-Negative Bacteria by Regulation of Antimicrobial Peptides. 2021 , 12, 758859	O
219	The evolution of the metazoan Toll receptor family and its expression during protostome development. 2021 , 21, 208	1
218	Components/Secretions Synergistically Enhance Pneumonia Caused by in Mice. 2021, 22,	

217	The Importance of Nanocarrier Design and Composition for an Efficient Nanoparticle-Mediated Transdermal Vaccination 2021 , 9,	2
216	Potential value of pharmacological agents acting on toll-like receptor (TLR) 7 and/or TLR8 in COVID-19. 2021 , 2, 100068	O
215	Evaluation of cytokine profile in the different phases of the autologous hematopoietic stem cell transplantation in patients with multiple myeloma 2021 , 70, 101513	
214	Where all the roads meet? A crossover prespective on host factors regulating SARS-CoV-2 infection 2021 , 434, 167403	O
213	Irradiation conditioning of adjuvanted, autologous cancer cell membrane nanoparticle vaccines. 2022 , 433, 134437	2
212	TLR10 and Its Role in Immunity. 2021 , 1	O
211	Euxanthone inhibits lipopolysaccharide-induced injury, inflammatory response, and MUC5AC hypersecretion in human airway epithelial cells by the TLR4/MyD88 pathway. 2021 ,	0
210	Dual Effect of Low-Molecular-Weight Bioregulators of Bacterial Origin in Experimental Model of Asthma 2022 , 12,	O
209	Impact of the gut microbiota on the immune system. 2022 , 353-364	1
208	Repurposing -Adrenoreceptor Blockers as Promising Anti-Virulence Agents in Gram-Negative Bacteria 2022 , 11,	4
207	The Role of the Gut Microbiota in the Pathogenesis of Diabetes 2022 , 23,	2
206	The Role of Gut Microbiota and Metabolites in Obesity-Associated Chronic Gastrointestinal Disorders 2022 , 14,	2
205	Dietary fat: a potent microglial influencer 2022,	0
204	Immunoglobulin-like receptors and the generation of innate immune memory 2022 , 74, 179	O
203	Lipopeptide-Mediated Biocontrol: Chemotaxonomy and Biological Activity 2022, 27,	0
202	Inflammation and necrosis syndrome is associated with alterations in blood and metabolism in pigs 2022 , 18, 50	O
201	Local immunomodulatory effects of intracanal medications in apical periodontitis 2022,	0
200	Feeding of cuticles from larvae modulates the gut microbiota and attenuates hepatic steatosis in obese Zucker rats 2022 ,	1

199	TLR7 Signaling Shapes and Maintains Antibody Diversity Upon Virus-Like Particle Immunization 2021 , 12, 827256	0
198	Effects of substituting soybean meal with corn on immune function and gene expression of gut TLR4 pathway of growing goats 2022 , 10, e12910	
197	Inhibitory effects of superoxide dismutase 3 on IgE production in B cells 2022 , 29, 101226	
196	Functions of Toll-like receptors as an inborn immunity component and their participation in the pathogenesis of dermatoses of different etiologies. 2011 , 87, 18-25	2
195	Insights into the post-translational modification and its emerging role in shaping the tumor microenvironment 2021 , 6, 422	3
194	Obesity and inflammation: should the principles of immunonutrition be applied to this disease process?. 2007 , 9, 305-6	1
193	Cancer Immunoediting: Elimination, Equilibrium, and Immune Escape in Solid Tumors 2022, 113, 1-57	0
192	Peptide-based vaccines. 2022 , 155-173	
191	Immune Response to Viruses. 2022 , 429-444	0
190	Micro-Current Stimulation Suppresses Inflammatory Responses in Peptidoglycan-Treated Raw 264.7 Macrophages and -Induced Skin Inflammation via TLR2/NF- B Signaling Pathway 2022 , 23,	Ο
189	Liposomes as Adjuvants and Vaccine Delivery Systems 2022 , 16, 1-20	2
188	LL-37 and Double-Stranded RNA Synergistically Upregulate Bronchial Epithelial TLR3 Involving Enhanced Import of Double-Stranded RNA and Downstream TLR3 Signaling 2022 , 10,	
187	Recent Advances in the Development of Toll-like Receptor Agonist-Based Vaccine Adjuvants for Infectious Diseases 2022 , 14,	2
186	IRF4b and IRF8 Negatively Regulate RLR-Mediated NF- B Signaling by Targeting MITA for Degradation in Teleost Fish 2022 , 13, 858179	O
185	Toll-Like Receptor Signaling and Its Role in Cell-Mediated Immunity 2022, 13, 812774	8
184	Sialylation of TLR2 initiates osteoclast fusion 2022 , 10, 24	0
183	Impact of Enrichment and Repeated Mixing on Resilience in Pigs 2022 , 9, 829060	0
182	Bench to bedside - new insights into the pathogenesis of necrotizing enterocolitis 2022,	3

181	Interplay Between Diet, the Gut Microbiome, and Atherosclerosis: Role of Dysbiosis and Microbial Metabolites on Inflammation and Disordered Lipid Metabolism 2022 , 108991	3
180	Antibody drug conjugate: the "biological missile" for targeted cancer therapy 2022 , 7, 93	25
179	TLR5 recognizes Aeromonas hydrophila flagellin and interacts with MyD88 in Nile tilapia 2022, 104409	Ο
178	First-in-human phase I clinical trial of a TLR4-binding DNA aptamer, ApTOLL: Safety and pharmacokinetics in healthy volunteers 2022 , 28, 124-135	2
177	Anti-inflammatory and anti-viral actions of anionic pulmonary surfactant phospholipids 2022 , 1867, 159139	3
176	Genome-wide characterization of the Toll-like receptor gene family in Triplophysa rosa and expression profiles in response to Aeromonas hydrophila infection. 2022 , 555, 738208	
175	Relationship between inflammation and oxidative stress and its effect on multiple sclerosis. 2021,	1
174	Zika Virus Overview: Transmission, Origin, Pathogenesis, Animal Model and Diagnosis 2021 , 1,	2
173	Sparstolonin B suppresses free fatty acid palmitate-induced chondrocyte inflammation and mitigates post-traumatic arthritis in obese mice 2021 ,	2
172	The Methyltransferase Smyd1 Mediates LPS-Triggered Up-Regulation of IL-6 in Endothelial Cells 2021 , 10,	1
171	Effect of Resin Acid and Zinc Oxide on Immune Status of Weaned Piglets Challenged With Lipopolysaccharide 2021 , 8, 761742	О
170	TNF\(\text{H}\)nduced metabolic reprogramming drives an intrinsic anti-viral state.	
169	Silent recognition of flagellins from human gut commensal bacteria by Toll-like receptor 5.	1
168	Recurrent respiratory syncytial virus infection in a CD14 deficient patient 2022,	2
167	Elevated Expression of TLR2 in Aging Hearts Exacerbates Cardiac Inflammatory Response and Adverse Remodeling Following Ischemia and Reperfusion Injury 2022 , 13, 891570	O
166	Data_Sheet_1.pdf. 2019 ,	
165	lmage_1.TIF. 2018 ,	
164	Image_2.TIF. 2018 ,	



(2022-2018)

145	Image_4.jpeg. 2018 ,	
144	lmage_5.jpeg. 2018 ,	
143	Image_1.JPEG. 2020 ,	
142	Table_1.DOCX. 2020 ,	
141	Table_2.XLS. 2020 ,	
140	Table_3.XLSX. 2020 ,	
139	Table_4.DOCX. 2020 ,	
138	Data_Sheet_1.pdf. 2019 ,	
137	Data_Sheet_1.docx. 2018,	
136	Table_1.docx. 2018 ,	
135	Table_2.DOCX. 2018 ,	
134	Table_3.DOCX. 2018 ,	
133	Table_4.DOCX. 2018 ,	
132	DataSheet1.docx. 2018 ,	
131	Table_1.XLSX. 2019 ,	
130	Surgical Strikes on Host Defenses: Role of the Viral Protease Activity in Innate Immune Antagonism. 2022 , 11, 522	O
129	Gastrointestinal Microbiota and Their Manipulation for Improved Growth and Performance in Chickens. 2022 , 11, 1401	3
128	Overabundance of Veillonella parvula promotes intestinal inflammation by activating macrophages via LPS-TLR4 pathway 2022 , 8, 251	3

127	Tissue remodeling by an opportunistic pathogen triggers allergic inflammation 2022,	4
126	Effect of resolvin D1 on experimental bacterial keratitis to prevent corneal scar 2022,	
125	Probiotics Function in Preventing Atopic Dermatitis in Children. 2022 , 23, 5409	1
124	Dietary supplementation of L-carnitine relieved detrimental impacts of a high-fat diet in juvenile Trachinotus ovatus. 2022 , 24, 101139	О
123	Role of recognizing receptors in the initiation of immune inflammation in theskin of psoriasis patients. 2010 , 86, 84-91	
122	Meta-Analysis of Immune Induced Gene Expression Changes in Diverse Drosophila melanogaster Innate Immune Responses. 2022 , 13, 490	О
121	Chondroitin sulfate proteoglycans prevent immune cell phenotypic conversion and inflammation resolution via TLR4 in rodent models of spinal cord injury. 2022 , 13,	2
120	Precision Exercise Medicine: Sex Specific Differences in Immune and CNS Responses to Physical Activity. 2022 , 1-13	О
119	Asparagus racemosus mediated silver chloride nanoparticles induce apoptosis in glioblastoma stem cells in vitro and inhibit Ehrlich ascites carcinoma cells growth in vivo. 2022 , 104013	
118	Estrogen May Enhance Toll-Like Receptor 4-Induced Inflammatory Pathways in People With HIV: Implications for Transgender Women on Hormone Therapy. 2022 , 13,	
117	Molecular Characterization of MyD88 in Anodonta woodiana and Its Involvement in the Innate Immune Response to Bacterial Infection. 13,	0
116	Effects of Probiotic Intervention on Markers of Inflammation and Health Outcomes in Women of Reproductive Age and Their Children. 9,	1
115	Polypeptides Isolated from Lactococcus lactis Alleviates Lipopolysaccharide (LPS)-Induced Inflammation in Ctenopharyngodon idella. 2022 , 23, 6733	0
114	The intracellular pathogen Francisella tularensis escapes from adaptive immunity by metabolic adaptation. 2022 , 5, e202201441	o
113	Caveolar and non-Caveolar Caveolin-1 in ocular homeostasis and disease. 2022 , 101094	
112	Proinsulin dependent interaction between ENPL-1/GRP94 and ASNA-1 in neurons is required to maintain insulin secretion in C. elegans.	
111	Microbial-Derived Toll-like Receptor Agonism in Cancer Treatment and Progression. 2022, 14, 2923	0
110	Platelets at the Crossroads of Pro-Inflammatory and Resolution Pathways during Inflammation. 2022 , 11, 1957	O

109	Cryo-electron Microscopic Analysis of Single-Pass Transmembrane Receptors.	1
108	Intranasal Delivery of RIG-I Agonist Drives Pulmonary Myeloid Cell Activation in Mice. 13,	
107	Cell membrane-coated nanoparticles for the treatment of bacterial infection.	2
106	The Ambiguous Role of Macrophages in Pulmonary Tuberculosis.	
105	RIP kinases and necroptosis in aging and aging-related diseases.	0
104	Host genomics of SARS-CoV-2 infection.	2
103	Comparison of Rapid Cytokine Immunoassays for Functional Immune Phenotyping. 13,	0
102	A small molecule Toll-like receptor antagonist rescues	1
101	Circulating Exosome Cargoes Contain Functionally Diverse Cancer Biomarkers: From Biogenesis and Function to Purification and Potential Translational Utility. 2022 , 14, 3350	1
100	TNFEInduced metabolic reprogramming drives an intrinsic anti-viral state. 2022 , 18, e1010722	
99	Interaction Between Autophagy and Porphyromonas gingivalis-Induced Inflammation. 12,	
98	Ultrasound improved immune adjuvant delivery to induce DC maturation and T cell activation. 2022 , 349, 18-31	O
97	Uncovering the source of mitochondrial superoxide in pro-inflammatory macrophages: Insights from immunometabolism. 2022 , 1868, 166481	0
96	Innate Immune Response and Inflammasome Activation During SARS-CoV-2 Infection.	O
95	Macrophage-Based iNos Reporter Reveals Polarization and Reprogramming in the Context of Breast Cancer.	1
94	Phenformin Down-Regulates c-Myc Expression to Suppress the Expression of Pro-Inflammatory Cytokines in Keratinocytes. 2022 , 11, 2429	
93	Corneal complications of rheumatoid arthritis. Publish Ahead of Print,	О
92	Toll-Like Receptor 4: A Promising Therapeutic Target for Alzheimer Disease. 2022 , 2022, 1-20	1

91	Anti-Inflammatory Activity of Cajanin, an Isoflavonoid Derivative Isolated from Canavalia lineata Pods. 2022 , 23, 9492	2
90	Sequential acid/reduction response of triblock copolymeric nanomicelles to release camptothecin and toll-like receptor 7/8 agonist for orchestrated chemoimmunotherapy. 2022 , 20,	
89	The different facets of heme-oxygenase 1 in innate and adaptive immunity.	
88	Therapeutic applications of toll-like receptors (TLRs) agonists in AML.	O
87	Prognosis analysis of necroptosis-related genes in colorectal cancer based on bioinformatic analysis. 13,	
86	Nile tilapia TLR3 recruits MyD88 and TRIF as adaptors and is involved in the NF- B pathway in the immune response. 2022 , 218, 878-890	O
85	The role of DNA damage repair (DDR) system in response to immune checkpoint inhibitor (ICI) therapy. 2022 , 41,	2
84	Environmental concentrations of 2, 4-DTBP cause immunotoxicity in zebrafish (Danio rerio) and may elicit ecological risk to wildlife. 2022 , 308, 136465	O
83	Contributions of cytokines to febrile seizures. 2023 , 179-193	O
82	Cyclosporin A inhibits dendritic cell maturation promoted by TNF-Bor LPS but not by double-stranded RNA or CD40L. 2002 , 72, 953-961	10
81	Identification and characterization of a novel mouse gene encoding a Ras-associated guanine nucleotide exchange factor: expression in macrophages and myocarditis elicited by Trypanosoma cruzi parasites. 2002 , 72, 1215-1227	5
80	Host-pathogen protein-nucleic acid interactions: A comprehensive review. 2022 , 20, 4415-4436	2
79	Identification of Avian Toll-Like Receptor 3 and 7 and Analysis of Gene Variation Sites. 2022, 24,	O
78	Microglia in antiviral immunity of the brain and spinal cord. 2022 , 60, 101650	O
77	Latent Autoimmune Diabetes in Adults (LADA): From Immunopathogenesis to Immunotherapy. 13,	1
76	Dietary Supplementation with Eucommia ulmoides Leaf Extract Improved the Intestinal Antioxidant Capacity, Immune Response, and Disease Resistance against Streptococcus agalactiae in Genetically Improved Farmed Tilapia (GIFT; Oreochromis niloticus). 2022 , 11, 1800	O
75	Toll-like receptor (TLRs) agonists and antagonists for COVID-19 treatments. 13,	O
74	Effect of TLR-4 gene polymorphisms on sepsis susceptibility in neonates: a systematic review and meta-analysis. 2022 , 16, 1005-1017	O

73	Exploring the recent trends in perturbing the cellular signaling pathways in cancer by natural products. 13,	5
72	Extracellular Vesicles Cargo in Modulating Microglia Functional Responses. 2022 , 11, 1426	1
71	The Inference of the Evolution of Immune Traits as Constrained by Phylogeny: Insight into the Immune System of the Basal Diapsid. 2022 , 12, 2482	O
70	Human Breast Milk: The Key Role in the Maturation of Immune, Gastrointestinal and Central Nervous Systems: A Narrative Review. 2022 , 12, 2208	2
69	Detailed Structural Analysis of the Immunoregulatory Polysaccharides from the Mycobacterium Bovis BCG. 2022 , 27, 5691	О
68	Novel 2-phenyl-4H-chromen derivatives: synthesis and anti-inflammatory activity evaluation in vitro and in vivo. 2022 , 37, 2589-2597	O
67	The Relationship between Atrial Fibrillation and Coronary Artery Disease: Understanding common denominators. 2022 ,	О
66	Genome-Wide Identification, Characterization and Expression Analysis of Toll-like Receptors in Marbled Rockfish (Sebastiscus marmoratus). 2022 , 23, 11357	O
65	Macrophage-Derived Exosomes in TLR9-/- Mice Ameliorate Sepsis-Induced Mitochondrial Oxidative Stress and Apoptosis in Cardiomyocytes. 2022 , 2022, 1-13	O
64	Lineage-specific protein repeat expansions and contractions reveal malleable regions of immune genes.	O
63	Computational analysis and functional characterisation of Tor putitora toll-like receptor 4 with the elucidation of its binding sites for microbial mimicking ligands. 2022 , 130, 538-549	О
62	Necrotic Enteritis in Broiler Chickens: A Review on the Pathogen, Pathogenesis, and Prevention. 2022 , 10, 1958	1
61	Fatal COVID-19 is Associated with Reduced HLA-DR, CD123 or CD11c Expression on Circulating Dendritic Cells. Volume 15, 5665-5675	О
60	Transcriptome analysis reveals the diverse response of pearl oyster Pinctada fucata martensii after different PAMP stimulation. 2022 ,	O
59	Limosilactobacillus fermentum Strain 3872: Antibacterial and Immunoregulatory Properties and Synergy with Prebiotics against Socially Significant Antibiotic-Resistant Infections of Animals and Humans. 2022 , 11, 1437	1
58	MicroRNA and their implications in dental pulp inflammation: current trends and future perspectives.	O
57	Identification of the effect and mechanism of Yiyi Fuzi Baijiang powder against colorectal cancer using network pharmacology and experimental validation. 13,	О
56	Role of gut microbiota in the pathogenesis and treatment of diabetes mullites: Advanced research-based review. 13,	1

55	Multiple centrosomes enhance migration and immune cell effector functions of mature dendritic cells. 2022 , 221,	1
54	Porphyromonas gingivalis Virulence Factors and Clinical Significance in Periodontal Disease and Coronary Artery Diseases. 2022 , 11, 1173	1
53	Identification of key genes and active anti-inflammatory ingredients in Panax medicinal plants by climate-regulated callus culture combined with gene-component-efficacy grey correlation analysis. Publish Ahead of Print,	0
52	Entzfidungs- und Nekrosesyndrom des Schweins (SINS) leine Bersicht. 2022 , 50, 323-332	O
51	HSC-Derived Fatty Acid Oxidation in Steady-State and Stressed Hematopoiesis. 2022,	0
50	Role of mitochondrial outer membrane permeabilization during bacterial infection. 2022,	O
49	Cl-amidine attenuates lipopolysaccharide-induced inflammation in human gingival fibroblasts via the JNK/MAPK, NF- B , and Nrf2 signalling pathways.	0
48	Pharmacogenetics Role of Genetic Variants in Immune-Related Factors: A Systematic Review Focusing on mCRC. 2022 , 14, 2468	O
47	Emerging roles of innate and adaptive immunity in Alzheimer disease. 2022,	1
46	Common Microbial Genital Infections and Their Impact on the Innate Immune Response to HPV in Cervical Cells. 2022 , 11, 1361	O
45	Circular RNAs as emerging regulators in COVID-19 pathogenesis and progression. 13,	0
44	Interactions between Dietary Micronutrients, Composition of the Microbiome and Efficacy of Immunotherapy in Cancer Patients. 2022 , 14, 5577	O
43	Linking Viral DNA to Endosomal Innate Immune Recognition. 2023, 210, 3-4	0
42	Polystyrene nanoplastics enhance the toxicological effects of DDE in zebrafish (Danio rerio) larvae. 2023 , 859, 160457	O
41	Nanoformulations targeting immune cells for cancer therapy: mRNA therapeutics. 2023, 23, 438-470	0
40	Canvassing Prospects of Glyco-Nanovaccines for Developing Cross-Presentation Mediated Anti-Tumor Immunotherapy. 2022 , 10, 2049	0
39	Maternal diet disrupts the placentaBrain axis in a sex-specific manner. 2022 , 4, 1732-1745	0
38	Carrier-Free Subunit Nanovaccine Amplifies Immune Responses Against Tumors and Viral Infections. 2022 ,	O

(2023-2022)

37	The impact of Hyssop (Hyssopus officinalis) extract on activation of endosomal toll like receptors and their downstream signaling pathways. 2022 , 15,	0
36	Promiscuous Receptors and Neuroinflammation: The Formyl Peptide Class. 2022 , 12, 2009	O
35	Hiring of the Anti-Quorum Sensing Activities of Hypoglycemic Agent Linagliptin to Alleviate the Pseudomonas aeruginosa Pathogenesis. 2022 , 10, 2455	1
34	The Function of DNA and RNA Nanovaccines in the Treatment of Cancer. 2023 , 229-252	Ο
33	Oncolytic Adenovirus, a New Treatment Strategy for Prostate Cancer. 2022 , 10, 3262	0
32	The oral microbiome in the pathophysiology of cardiovascular disease.	Ο
31	Understanding the development of Th2 cell-driven allergic airway disease in early life. 3,	Ο
30	Dendritic cells and natural killer cells: The road to a successful oncolytic virotherapy. 13,	Ο
29	Biomaterial Strategies for Selective Immune Tolerance: Advances and Gaps. 2205105	1
28	Oxazolidinones as Versatile Scaffolds in Medicinal Chemistry.	1
27	Curcumin interferes with sepsis-induced cardiomyocyte apoptosis via TLR1 inhibition. 2023,	0
26	Supporting central nervous system neuroprotection and remyelination by specific TLR4 antagonism.	Ο
25	Silent recognition of flagellins from human gut commensal bacteria by Toll-like receptor 5. 2023 , 8,	0
24	Dr William Coley and tumour regression: a place in history or in the future. 2003 , 79, 672-680	3
23	Characterization analysis of TLR5a and TLR5b immune response after different bacterial infection in grass carp (Ctenopharyngodon idella). 2023 , 136, 108716	0
22	Divergent evolution drives high diversity of toll-like receptors (TLRs) in passerine birds: Buntings and finches. 2023 , 144, 104704	O
21	Immunity in Sea Turtles: Review of a Host-Pathogen Arms Race Millions of Years in the Running. 2023 , 13, 556	0
20	Viruses Binding to Host Receptors Interacts with Autophagy. 2023 , 24, 3423	1

19	miRNA-Induced Downregulation of IPMK in Macrophages Mediates Lipopolysaccharide-Triggered TLR4 Signaling. 2023 , 13, 332	О
18	Helixor-M Suppresses Immunostimulatory Activity through TLR4-Dependent NF- B Pathway in RAW 264.7 Cells. 2023 , 13, 595	О
17	Comparative and Temporal Characterization of LPS and Blue-Light-Induced TLR4 Signal Transduction and Gene Expression in Optogenetically Manipulated Endothelial Cells. 2023 , 12, 697	0
16	Training vs. Tolerance: The Yin/Yang of the Innate Immune System. 2023 , 11, 766	O
15	Energy Balance and Neuroendocrine-Immune Regulation in Chronic Inflammatory and Neoplastic Diseases: An Evolutionary Perspective. 2023 , 323-342	O
14	Metformin attenuates symptoms of osteoarthritis: role of genetic diversity of Bcl2 and CXCL16 in OA. 2023 , 25,	O
13	Mild heat stressInduced adaptive immune response in blood mononuclear cells and leukocytes from mesenteric lymph nodes of primiparous lactating Holstein cows. 2023 , 106, 3008-3022	0
12	Improvement in the early growth, immune system and tibia development of broilers in response to the in ovo injection of 25-hydroxyvitamin D3. 2023 , 51, 265-275	O
11	Research Progress of Common Pathogenic Signal Pathways in Primary Immune Thrombocytopenia. 2023 , 13, 3697-3701	0
10	The architecture of transmembrane and cytoplasmic juxtamembrane regions of Toll-like receptors. 2023 , 14,	O
9	A proinsulin-dependent interaction between ENPL-1 and ASNA-1 in neurons is required to maintain insulin secretion in C. elegans. 2023 , 150,	0
8	Immune diversity in lophotrochozoans, with a focus on recognition and effector systems. 2023 , 21, 2262-227	5 0
7	An organismal understanding of C. elegans innate immune responses, from pathogen recognition to multigenerational resistance. 2023 ,	0
6	Serine-/Cysteine-Based sp2-Iminoglycolipids as Novel TLR4 Agonists: Evaluation of Their Adjuvancy and Immunotherapeutic Properties in a Murine Model of Asthma. 2023 , 66, 4768-4783	O
5	microRNA 146a ameliorates retinal damage in experimental autoimmune uveitis. 3,	O
4	Murine macrophage-based iNos reporter reveals polarization and reprogramming in the context of breast cancer. 13,	O
3	Acute kidney injury and distant organ dysfunction Betwork system analysis. 2023,	0
2	Identification and characterization of Toll-like receptor 14d in Northeast Chinese lamprey (Lethenteron morii). 14,	O

Drug repositioning: doxazosin attenuates the virulence factors and biofilm formation in Gram-negative bacteria.

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