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The innate immune response to bacterial flagellin is mediated by Toll-like receptor 5

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2316	Laser station coordinates and baselines from long-ARC and short-ARC analyses of starlette. 1986 , 60, 297-310		1
2315	Cutting edge: bacterial flagellin activates basolaterally expressed TLR5 to induce epithelial proinflammatory gene expression. 2001 , 167, 1882-5		1062
2314	Plant receptor-like kinase gene family: diversity, function, and signaling. 2001 , 2001, re22		375
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2312	Evolution of effectors and receptors of innate immunity. 2001 , 25, 651-82		128
2311	Th1- and Th2-cell commitment during infectious disease: asymmetry in divergent pathways. 2001 , 22, 450-7		206
2310	Motility is more important than [correction of that] stealth. 2001 , 22, 353		5
2309	Immunotherapy of sepsis. 2001 , 1, 165-74		118
2308	[Role of host response during severe bacterial infection]. 2001 , 8 Suppl 4, 689s-696s		5
2307	Now I know my CpGs. 2001 , 9, 249-52		71
2306	The serine protease inhibitor antithrombin III inhibits LPS-mediated NF-kappaB activation by TLR-4. 2001 , 508, 313-7		37
2305	Production of beta-defensin-2 by human colonic epithelial cells induced by Salmonella enteritidis flagella filament structural protein. 2001 , 508, 484-8		50
2304	The host-pathogen interaction: new themes from dendritic cell biology. 2001 , 106, 267-70		122
2303	Toll-like receptor signaling. 27-50		
2302	Dendritic cell activation and uptake of bacteria in vivo. 81-98		
2301	Role of dendritic cells in the innate response to bacteria. 99-118		
2300	Les protéines PGRP, un chaîon manquant de l'immunité innée de la drosophile. 2001 , 17, 1359-1362		0

2299	Toll receptors and sepsis. 2001 , 7, 371-5		20
2298	Naive and memory B cells in T-cell-dependent and T-independent responses. 2001 , 23, 405-19		46
2297	Genetic analysis of host responses in sepsis. 2001 , 3, 419-426		5
2296	Roles of Toll-like receptors in innate immune responses. 2001 , 6, 733-42		193
2295	Innate immune responses of epithelial cells following infection with bacterial pathogens. 2001 , 13, 410-6		122
2294	Specialization and complementarity in microbial molecule recognition by human myeloid and plasmacytoid dendritic cells. 2001 , 31, 3388-93		657
2293	Drosophila Toll is activated by Gram-positive bacteria through a circulating peptidoglycan recognition protein. <i>Nature</i> , 2001 , 414, 756-9	50.4	591
2292	Toll-like receptors: critical proteins linking innate and acquired immunity. 2001 , 2, 675-80		3731
2291	TIRAP: an adapter molecule in the Toll signaling pathway. 2001 , 2, 835-41		809
2290	IFNs activate toll-like receptor gene expression in viral infections. 2001 , 2, 349-55		235
2289	Cinderella goes to the ball. <i>Nature</i> , 2001 , 410, 1018-20	50.4	24
2288	Mal (MyD88-adapter-like) is required for Toll-like receptor-4 signal transduction. <i>Nature</i> , 2001 , 413, 78-83	50.4	980
2287	Recognition of double-stranded RNA and activation of NF-kappaB by Toll-like receptor 3. <i>Nature</i> , 2001 , 413, 732-8	50.4	4755
2286	Toll-like receptors and innate immunity. 2001 , 1, 135-45		3047
2285	Expression of Anaplasma marginale major surface protein 2 variants in persistently infected ticks. 2001 , 69, 5151-6		17
2284	Salmonella flagellin-dependent proinflammatory responses are localized to the conserved amino and carboxyl regions of the protein. 2001 , 167, 7009-16		122
2283	Lipopolysaccharides from distinct pathogens induce different classes of immune responses in vivo. 2001 , 167, 5067-76		401
2282	Distinct mechanism of Helicobacter pylori-mediated NF-kappa B activation between gastric cancer cells and monocytic cells. 2001 , 276, 44856-64		156

2281	Salmonella enteritidis FlhC (flagella filament protein) induces human beta-defensin-2 mRNA production by Caco-2 cells. 2001 , 276, 30521-6	118
2280	Modulation of the expression of cyclooxygenase-2 by fatty acids mediated through toll-like receptor 4-derived signaling pathways. 2001 , 15, 2556-64	122
2279	Invited review: Lipopolysaccharide recognition, internalisation, signalling and other cellular effects. 2001 , 7, 335-348	4
2278	Flagellin stimulation of intestinal epithelial cells triggers CCL20-mediated migration of dendritic cells. 2001 , 98, 13722-7	308
2277	NF-kappaB signaling pathways in mammalian and insect innate immunity. 2001 , 15, 2321-42	726
2276	Shigella flexneri Interactions with the Basolateral Membrane Domain of Polarized Model Intestinal Epithelium: Role of Lipopolysaccharide in Cell Invasion and in Activation of the Mitogen-Activated Protein Kinase ERK. 2002 , 70, 1150-8	56
2275	The extracellular toll-like receptor 2 domain directly binds peptidoglycan derived from Staphylococcus aureus. 2002 , 277, 24315-20	141
2274	MD-2 and TLR4 N-linked glycosylations are important for a functional lipopolysaccharide receptor. 2002 , 277, 1845-54	186
2273	Roles of toll-like receptors in C-C chemokine production by renal tubular epithelial cells. 2002 , 169, 2026-33	210
2272	MyD88-dependent but Toll-like receptor 2-independent innate immunity to Listeria: no role for either in macrophage listericidal activity. 2002 , 169, 3869-75	196
2271	The role of toll-like receptor (TLR) 2 and TLR4 in the host defense against disseminated candidiasis. 2002 , 185, 1483-9	388
2270	Cdc42 and Rac1 regulate late events in Salmonella typhimurium-induced interleukin-8 secretion from polarized epithelial cells. 2002 , 277, 51025-32	28
2269	NF-kappaB family of transcription factors: central regulators of innate and adaptive immune functions. 2002 , 15, 414-29	389
2268	Toll-like receptor 2 is required for innate, but not acquired, host defense to Borrelia burgdorferi. 2002 , 168, 348-55	264
2267	Immunostimulatory CpG-DNA activates murine microglia. 2002 , 168, 4854-63	125
2266	Response to Neisseria gonorrhoeae by cervicovaginal epithelial cells occurs in the absence of toll-like receptor 4-mediated signaling. 2002 , 168, 2424-32	203
2265	Two msbB genes encoding maximal acylation of lipid A are required for invasive Shigella flexneri to mediate inflammatory rupture and destruction of the intestinal epithelium. 2002 , 168, 5240-51	117
2264	A trip through my life with an immunological theme. 2002 , 20, 1-28	35

2263	The Lyme disease vaccine takes its toll. 2002 , 2, 217-22	8
2262	Transcriptional regulation of the human toll-like receptor 2 gene in monocytes and macrophages. 2002 , 168, 5629-37	130
2261	Toll-like receptor 2 and 4 (TLR2 and TLR4) agonists differentially regulate secretory interleukin-1 receptor antagonist gene expression in macrophages. 2002 , 277, 17448-56	45
2260	Divergence of apoptosis-inducing and preventing signals in bacteria-faced macrophages through myeloid differentiation factor 88 and IL-1 receptor-associated kinase members. 2002 , 168, 4601-11	58
2259	Stimulation by toll-like receptors inhibits osteoclast differentiation. 2002 , 169, 1516-23	193
2258	Bacterial flagellin is an effective adjuvant for CD4+ T cells in vivo. 2002 , 169, 3914-9	218
2257	Comparison of inflammation, organ damage, and oxidant stress induced by <i>Salmonella enterica</i> serovar Muenchen flagellin and serovar Enteritidis lipopolysaccharide. 2002 , 70, 192-8	79
2256	Nuclear factor-kappa B directs carcinoembryonic antigen-related cellular adhesion molecule 1 receptor expression in <i>Neisseria gonorrhoeae</i> -infected epithelial cells. 2002 , 277, 7438-46	33
2255	Activation of macrophages by linear (1right-arrow3)-beta-D-glucans. Implications for the recognition of fungi by innate immunity. 2002 , 277, 36825-31	161
2254	Inhibition of <i>Salmonella typhimurium</i> enteropathogenicity by piperidine, a metabolite of the polyamine cadaverine. 2002 , 186, 1122-30	20
2253	The clinical relevance of endotoxin in human sepsis: a critical analysis. 2002 , 8, 473-476	24
2252	A plague on host defense. 2002 , 196, 1009-12	9
2251	Modulation of cytosolic Ca(2+) concentration in airway epithelial cells by <i>Pseudomonas aeruginosa</i> . 2002 , 70, 6399-408	17
2250	Kinetics of endotoxin concentration and tumor necrosis factor-alpha, interleukin-1beta, and interleukin-6 activities in the systemic and portal circulation during small intestinal ischemia and reperfusion in dogs. 2002 , 63, 1680-6	21
2249	Immunopathogenesis of Gram-Negative Shock. 2002 , 135-157	
2248	The <i>Salmonella typhimurium</i> flagellar basal body protein FliE is required for flagellin production and to induce a proinflammatory response in epithelial cells. 2002 , 277, 13346-53	56
2247	Gram-negative flagellin-induced self-tolerance is associated with a block in interleukin-1 receptor-associated kinase release from toll-like receptor 5. 2002 , 277, 22414-20	92
2246	Identification of diacylated ureas as a novel family of fungus-specific leukocyte-activating pathogen-associated molecules. 2002 , 277, 27887-95	10

2245	Cardiac inflammation and innate immunity in septic shock: is there a role for toll-like receptors?. 2002 , 121, 1329-36	60
2244	Broad expression of Toll-like receptors in the human central nervous system. 2002 , 61, 1013-21	727
2243	Development of a mucosal complex vaccine against oral Salmonella infection in mice. 2002 , 46, 891-905	10
2242	Toll-like receptor 9, CpG DNA and innate immunity. 2002 , 2, 545-56	116
2241	Interactions of oral pathogens with toll-like receptors: possible role in atherosclerosis. 2002 , 7, 72-8	72
2240	Neutrophil influx in response to a peritoneal infection with Salmonella is delayed in lipopolysaccharide-binding protein or CD14-deficient mice. 2002 , 169, 4475-80	72
2239	Role of toll-like receptors in changes in gene expression and NF-kappa B activation in mouse hepatocytes stimulated with lipopolysaccharide. 2002 , 70, 3433-42	210
2238	Two nonadjacent regions in enteroaggregative Escherichia coli flagellin are required for activation of toll-like receptor 5. 2002 , 277, 40456-61	111
2237	Review paper: LPS in microbial pathogenesis: promise and fulfilment. 2002 , 8, 329-335	1
2236	Toll-like receptor 4 (TLR4)-deficient murine macrophage cell line as an in vitro assay system to show TLR4-independent signaling of Bacteroides fragilis lipopolysaccharide. 2002 , 70, 4892-6	47
2235	Dependence of bacterial protein adhesins on toll-like receptors for proinflammatory cytokine induction. 2002 , 9, 403-11	45
2234	Dysregulation of LPS-induced Toll-like receptor 4-MyD88 complex formation and IL-1 receptor-associated kinase 1 activation in endotoxin-tolerant cells. 2002 , 169, 5209-16	241
2233	Extracellular antigens from Salmonella enteritidis induce effective immune response in mice after oral vaccination. 2002 , 70, 1434-42	49
2232	Toll Receptors. 2002 , 52, 14.12.1-14.12.11	5
2231	Innate immunity in host-microbial interactions: beyond B27 in the spondyloarthropathies. 2002 , 14, 373-82	13
2230	Toll-like receptors: how they work and what they do. 2002 , 9, 2-10	100
2229	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
2228	Innate immune recognition of lipopolysaccharide by endothelial cells. 2002 , 30, S207-13	59

2227	Nitric oxide and resolution of inflammation. 2002 , 359, 459-65	13
2226	Inflammatory bowel disease: is the intestine a Trojan horse?. 2002 , 85, 33-56	20
2225	Toll-like receptors. 2002 , 30, S1-S11	210
2224	[beta]-defensins in lung host defense. 2002 , 64, 709-48	215
2223	Bench-to-bedside review: Toll-like receptors and their role in septic shock. 2002 , 6, 125-36	73
2222	Science review: key inflammatory and stress pathways in critical illness - the central role of the Toll-like receptors. 2003 , 7, 39-46	39
2221	Toll receptors: a central element in innate immune responses. 2002 , 70, 1033-41	167
2220	MAP kinases in the immune response. 2002 , 20, 55-72	1344
2219	Expression of functional Toll-like receptor 2 on human epidermal keratinocytes. 2002 , 30, 185-94	122
2218	Toll-like receptors 2 and 4 are up-regulated during intestinal inflammation. 2002 , 122, 1987-2000	413
2217	Toll-like receptor 2 contributes to liver injury by Salmonella infection through Fas ligand expression on NKT cells in mice. 2002 , 123, 1265-77	44
2216	The Arabidopsis thaliana-pseudomonas syringae interaction. 2002 , 1, e0039	297
2215	Role of the innate immune system in the development of chronic colitis. 2002 , 37 Suppl 14, 38-42	14
2214	A Dual Role for Microbial Pathogen-Derived Effector Proteins in Plant Disease and Resistance. 2002 , 21, 229-271	92
2213	A gene-expression program reflecting the innate immune response of cultured intestinal epithelial cells to infection by Listeria monocytogenes. 2003 , 4, R2	32
2212	Toll-like receptors: a family of pattern-recognition receptors in mammals. 2002 , 3, REVIEWS3011	119
2211	Tissue expression of human Toll-like receptors and differential regulation of Toll-like receptor mRNAs in leukocytes in response to microbes, their products, and cytokines. 2002 , 168, 554-61	1029
2210	Isolation, characterization, and antimicrobial properties of bovine oligosaccharide-binding protein. A microbicidal granule protein of eosinophils and neutrophils. 2002 , 277, 19658-64	98

2209	Differences in expression of toll-like receptors and their reactivities in dendritic cells in BALB/c and C57BL/6 mice. 2002 , 70, 6638-45	124
2208	CpG DNA in the prevention and treatment of infections. 2002 , 16, 419-31	33
2207	Involvement of microbial components and toll-like receptors 2 and 4 in cytokine responses to air pollution particles. 2002 , 27, 611-8	188
2206	IRAK-M is a negative regulator of Toll-like receptor signaling. 2002 , 110, 191-202	1148
2205	Establishment of a monoclonal antibody against human Toll-like receptor 3 that blocks double-stranded RNA-mediated signaling. 2002 , 293, 1364-9	369
2204	Identification and characterization of murine IRAK-2. 2002 , 297, 52-8	15
2203	Initial responses to endotoxins and Gram-negative bacteria. 2002 , 323, 59-72	264
2202	Lipopolysaccharide endotoxins. 2002 , 71, 635-700	3259
2201	The role of motility as a virulence factor in bacteria. 2002 , 291, 605-14	414
2200	Tracking salmonella-specific CD4 T cells in vivo reveals a local mucosal response to a disseminated infection. 2002 , 16, 365-77	197
2199	Heat-shock proteins as activators of the innate immune system. 2002 , 23, 130-5	493
2198	Sequential activation of signaling pathways during innate immune responses in Drosophila. 2002 , 3, 711-22	395
2197	Intracellular vs extracellular recognition of pathogens--common concepts in mammals and flies. 2002 , 10, 193-9	160
2196	Flagellin perception: a paradigm for innate immunity. 2002 , 7, 251-6	432
2195	Interactions between bacterial CpG-DNA and TLR9 bridge innate and adaptive immunity. 2002 , 5, 62-9	160
2194	Toll-like receptors: mammalian "taste receptors" for a smorgasbord of microbial invaders. 2002 , 5, 70-5	72
2193	Immunity to intracellular pathogens as a complex genetic trait. 2002 , 5, 111-7	21
2192	Roles of toll-like receptors in natural interferon-producing cells as sensors in immune surveillance. 2002 , 63, 1120-5	51

2191	A retro-inverso peptide analogue of influenza virus hemagglutinin B-cell epitope 91-108 induces a strong mucosal and systemic immune response and confers protection in mice after intranasal immunization. 2002 , 39, 323-31	30
2190	Mammalian toll-like receptors. 2002 , 88, 543-7; quiz 548-50, 583	55
2189	Innate immunity and its role against infections. 2002 , 88, 253-64; quiz 265-6, 318	78
2188	Toll-like receptors and activation of autoreactive B cells. 2003 , 6, 105-22	45
2187	Toll-Like Receptor Signaling and Regulation of Cytokine Gene Expression in the Immune System. 2002 , 33, S66-S75	95
2186	Role of toll-like receptors in response to bacterial infection. 2003 , 10, 149-63	5
2185	Hypothesis: Ran GTPase-based potential therapeutic interventions against lethal microbial infections. 2002 , 2, 684-9	2
2184	Intestinal epithelial cells as a source of inflammatory cytokines and chemokines. 2002 , 16, 241-6	136
2183	Signal Integration Following Toll-like Receptor Triggering. 2002 , 22, 34	33
2182	Innate Recognition of Bacteria: Engagement of Multiple Receptors. 2002 , 22, 18	19
2181	Molecular cloning and expression of a Toll receptor gene homologue from the silkworm, <i>Bombyx mori</i> . 2002 , 1576, 246-54	20
2180	Toll-like receptors as adjuvant receptors. 2002 , 1589, 1-13	351
2179	Summary and comparison of the signaling mechanisms of the Toll/interleukin-1 receptor family. 2002 , 1592, 265-80	303
2178	Innate immune sensing of microbial infection: the mechanism and the therapeutic challenge. 2002 , 152, 547-51	14
2177	Advances in research of the inflammatory response: the importance of toll-like receptors. 2002 , 152, 552-4	6
2176	Toll-like receptor 1 inhibits Toll-like receptor 4 signaling in endothelial cells. 2002 , 32, 1182-7	38
2175	Non-LPS components of <i>Chlamydia pneumoniae</i> stimulate cytokine production through Toll-like receptor 2-dependent pathways. 2002 , 32, 1188-95	96
2174	Bacterial CpG-DNA and lipopolysaccharides activate Toll-like receptors at distinct cellular compartments. 2002 , 32, 1958-68	620

2173	Role of chlamydial heat shock protein 60 in the stimulation of innate immune cells by Chlamydia pneumoniae. 2002 , 32, 2460-70	82
2172	Bacterial fimbriae activate human peripheral blood monocytes utilizing TLR2, CD14 and CD11a/CD18 as cellular receptors. 2002 , 32, 2543-50	85
2171	Single nucleotide polymorphisms in innate immunity genes: abundant variation and potential role in complex human disease. 2002 , 190, 9-25	150
2170	Beneficial bacteria of the periodontium. 2002 , 30, 40-50	55
2169	Thinking outside the box: mechanisms of environmental selective pressures on the outcome of the materno-fetal relationship. 2002 , 47, 275-82	34
2168	Activation of the immune system by bacterial CpG-DNA. 2002 , 105, 245-51	115
2167	Toll-like receptors: key mediators of microbe detection. 2002 , 14, 103-10	555
2166	Control of adaptive immune responses by Toll-like receptors. 2002 , 14, 380-3	287
2165	Balancing protective immunity and immunopathology. 2002 , 14, 413-9	50
2164	Making and breaking tolerance. 2002 , 14, 744-59	83
2163	Leishmania major activates IL-1 alpha expression in macrophages through a MyD88-dependent pathway. 2002 , 4, 763-71	63
2162	Macrophage signaling by glycosylphosphatidylinositol-anchored mucin-like glycoproteins derived from Trypanosoma cruzi trypomastigotes. 2002 , 4, 1015-25	64
2161	The role of Toll-like receptors in immunity against mycobacterial infection. 2002 , 4, 937-44	124
2160	Genetic approaches to the study of Toll-like receptor function. 2002 , 4, 887-95	45
2159	Introduction: innate recognition of bacteria and protozoan parasites. 2002 , 4, 883-6	27
2158	Toll-like receptors: their role in allergy and non-allergic inflammatory disease. 2002 , 32, 984-9	63
2157	A two-component regulator induces the transmission phenotype of stationary-phase Legionella pneumophila. 2002 , 44, 107-18	187
2156	Geographical and seasonal correlation of multiple sclerosis to sporadic schizophrenia. 2002 , 1, 5	8

2155	Heat shock proteins and innate immunity. 2002 , 127, 1-3		32
2154	Discovery of immunopotentiatory drugs: current and future strategies. 2002 , 130, 363-9		24
2153	How the gut senses its content. 2002 , 4, 61-72		103
2152	Role of EHEC O157:H7 virulence factors in the activation of intestinal epithelial cell NF-kappaB and MAP kinase pathways and the upregulated expression of interleukin 8. 2002 , 4, 635-48		133
2151	NPP1, a Phytophthora-associated trigger of plant defense in parsley and Arabidopsis. 2002 , 32, 375-90		225
2150	Identification of genetic loci controlling bacterial clearance in experimental Salmonella enteritidis infection: an unexpected role of Nramp1 (Slc11a1) in the persistence of infection in mice. 2002 , 3, 196-204		44
2149	Genetic regulation of host responses to Salmonella infection in mice. 2002 , 3, 381-93		71
2148	Recent advances in understanding NF-kappaB regulation. 2002 , 8, 201-12		41
2147	The adaptor molecule TIRAP provides signalling specificity for Toll-like receptors. <i>Nature</i> , 2002 , 420, 329-33	50.4	684
2146	The immunopathogenesis of sepsis. <i>Nature</i> , 2002 , 420, 885-91	50.4	2219
2145	Severe impairment of interleukin-1 and Toll-like receptor signalling in mice lacking IRAK-4. <i>Nature</i> , 2002 , 416, 750-6	50.4	666
2144	MAP kinase signalling cascade in Arabidopsis innate immunity. <i>Nature</i> , 2002 , 415, 977-83	50.4	1990
2143	Neutrophil elastase targets virulence factors of enterobacteria. <i>Nature</i> , 2002 , 417, 91-4	50.4	240
2142	Human TLR7 or TLR8 independently confer responsiveness to the antiviral compound R-848. 2002 , 3, 499		723
2141	Bacterial strategies for overcoming host innate and adaptive immune responses. 2002 , 3, 1033-40		331
2140	Small anti-viral compounds activate immune cells via the TLR7 MyD88-dependent signaling pathway. 2002 , 3, 196-200		2003
2139	Hyporesponsiveness to vaccination with <i>Borrelia burgdorferi</i> OspA in humans and in TLR1- and TLR2-deficient mice. 2002 , 8, 878-84		356
2138	Toll-like receptors as potential therapeutic targets for multiple diseases. 2002 , 1, 797-807		168

2137	Activation rules: the two-signal theories of immune activation. 2002 , 2, 439-46	126
2136	Innate immunity: the missing link in neuroprotection and neurodegeneration?. 2002 , 3, 216-27	572
2135	Up-regulation of TLR9 gene expression by LPS in mouse macrophages via activation of NF-kappaB, ERK and p38 MAPK signal pathways. 2002 , 81, 165-9	102
2134	Innate immune recognition. 2002 , 20, 197-216	5854
2133	Intestinal epithelial pathobiology: past, present and future. 2002 , 16, 851-67	49
2132	Pep-13, a plant defense-inducing pathogen-associated pattern from <i>Phytophthora</i> transglutaminases. 2002 , 21, 6681-8	216
2131	Mouse mammary tumor virus and the immune system. 2003 , 27, 469-80	21
2130	Innate immune responses in lupus-prone Palmerston North mice: differential responses to LPS and bacterial DNA/CpG oligonucleotides. 2003 , 23, 202-13	16
2129	Toll-like receptors stimulate human neutrophil function. 2003 , 102, 2660-9	699
2128	The art of war: Innate and adaptive immune responses. 2003 , 60, 2604-21	93
2127	Prediction of the prototype of the human Toll-like receptor gene family from the pufferfish, <i>Fugu rubripes</i> , genome. 2003 , 54, 791-800	260
2126	Molecular mechanisms of macrophage activation and deactivation by lipopolysaccharide: roles of the receptor complex. 2003 , 100, 171-94	405
2125	Antigen presentation in vaccine development. 2003 , 26, 309-28	22
2124	Cytokine responses of human intestinal epithelial-like Caco-2 cells to the nonpathogenic bacterium <i>Bacillus subtilis</i> (natto). 2003 , 82, 255-64	64
2123	Expression of recombinant proteins in a lipid A mutant of <i>Escherichia coli</i> BL21 with a strongly reduced capacity to induce dendritic cell activation and maturation. 2003 , 272, 199-210	36
2122	Cultured astrocytes express toll-like receptors for bacterial products. 2003 , 43, 281-91	329
2121	Role of Toll-like receptors in costimulating cytotoxic T cell responses. 2003 , 33, 1465-70	142
2120	NK T cells stimulated with a ligand for TLR2 at least partly contribute to liver injury caused by <i>Escherichia coli</i> infection in mice. 2003 , 33, 2511-9	16

2119	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
2118	Preparation and biological evaluation of 99mTc-stannous fluoride colloid-labelled-leucocytes in rats 99mTc-stannous fluoride-labelled-leucocytes in rats. 2003 , 46, 751-763	14
2117	Helicobacter pylori flagellins have very low intrinsic activity to stimulate human gastric epithelial cells via TLR5. 2003 , 5, 1345-56	148
2116	Do microbes influence the pathogenesis of allergic diseases? Building the case for Toll-like receptor ligands. 2003 , 15, 614-9	28
2115	Toll-like receptor 4 is not involved in host defense against respiratory tract infection with Sendai virus. 2003 , 89, 201-6	36
2114	Regulation cascade of flagellar expression in Gram-negative bacteria. 2003 , 27, 505-23	239
2113	Differential effects of flagellins from Pseudomonas syringae pv. tabaci, tomato and glycinea on plant defense response. 2003 , 41, 165-174	64
2112	The Gram-negative bacterium Chlamydia trachomatis L2 stimulates tumor necrosis factor secretion by innate immune cells independently of its endotoxin. 2003 , 5, 463-70	38
2111	Dendritic cells in peripheral tolerance and immunity. 2003 , 111, 766-75	38
2110	T cell receptor-transgenic mouse models for studying cellular immune responses to Salmonella in vivo. 2003 , 37, 105-9	10
2109	Osteoclast differentiation by human osteoblastic cell line SaOS-2 primed with bacterial lipid A. 2003 , 38, 71-9	11
2108	Mammalian Toll-like receptors. 2003 , 15, 5-11	471
2107	A four-tiered transcriptional regulatory circuit controls flagellar biogenesis in Pseudomonas aeruginosa. 2003 , 50, 809-24	317
2106	Unravelling the biology of macrophage infection by gene expression profiling of intracellular Salmonella enterica. 2003 , 47, 103-18	699
2105	Toll receptors and pathogen resistance. 2003 , 5, 143-53	233
2104	Genetic control of susceptibility to bacterial infections in mouse models. 2003 , 5, 299-313	42
2103	Dendritic cells and host resistance to infection. 2003 , 5, 493-500	75
2102	Normal keratinocytes express Toll-like receptors (TLRs) 1, 2 and 5: modulation of TLR expression in chronic plaque psoriasis. 2003 , 148, 670-9	237

2101	Suppression of allergic reaction by lambda-carrageenan: toll-like receptor 4/MyD88-dependent and -independent modulation of immunity. 2003 , 33, 249-58	81
2100	Toll-like receptor expression in human keratinocytes: nuclear factor kappaB controlled gene activation by Staphylococcus aureus is toll-like receptor 2 but not toll-like receptor 4 or platelet activating factor receptor dependent. 2003 , 121, 1389-96	190
2099	Prion pathogenesis in the absence of Toll-like receptor signalling. 2003 , 4, 195-9	63
2098	Toll-like receptors and their role in experimental models of microbial infection. 2003 , 4, 87-94	215
2097	Toll-like receptor 5 recognizes a conserved site on flagellin required for protofilament formation and bacterial motility. 2003 , 4, 1247-53	614
2096	TLR5 takes aim at bacterial propeller. 2003 , 4, 1159-60	20
2095	Mast cells to the defense. 2003 , 4, 1160-2	38
2094	TICAM-1, an adaptor molecule that participates in Toll-like receptor 3-mediated interferon-beta induction. 2003 , 4, 161-7	981
2093	SIGIRR, a negative regulator of Toll-like receptor-interleukin 1 receptor signaling. 2003 , 4, 920-7	480
2092	TRAM is specifically involved in the Toll-like receptor 4-mediated MyD88-independent signaling pathway. 2003 , 4, 1144-50	818
2091	Activation and regulation of Toll-like receptors 2 and 1 in human leprosy. 2003 , 9, 525-32	269
2090	Caenorhabditis elegans: an emerging genetic model for the study of innate immunity. 2003 , 4, 380-90	132
2089	Innate immune sensing and its roots: the story of endotoxin. 2003 , 3, 169-76	968
2088	Recognition of pathogen-associated molecular patterns by TLR family. 2003 , 85, 85-95	890
2087	Interleukin-18 [IL-1F4]. 2003 , 709-733	
2086	Poly(I-C)-induced Toll-like receptor 3 (TLR3)-mediated activation of NFkappa B and MAP kinase is through an interleukin-1 receptor-associated kinase (IRAK)-independent pathway employing the signaling components TLR3-TRAF6-TAK1-TAB2-PKR. 2003 , 278, 16713-9	232
2085	Severe Infections Caused by Pseudomonas Aeruginosa. 2003 ,	11
2084	The invasive phenotype of Shigella flexneri directs a distinct gene expression pattern in the human intestinal epithelial cell line Caco-2. 2003 , 278, 33878-86	67

2083	Pathogenesis of sepsis: new concepts and implications for future treatment. 2003 , 326, 262-6	147
2082	An angiogenic switch in macrophages involving synergy between Toll-like receptors 2, 4, 7, and 9 and adenosine A(2A) receptors. 2003 , 163, 711-21	227
2081	Molecular sensing of bacteria in plants. The highly conserved RNA-binding motif RNP-1 of bacterial cold shock proteins is recognized as an elicitor signal in tobacco. 2003 , 278, 6201-8	176
2080	Toll-like receptors. 2003 , 21, 335-76	4550
2079	Neutrophil elastase up-regulates interleukin-8 via toll-like receptor 4. 2003 , 544, 129-32	187
2078	Novel synthetic LPS receptor agonists boost systemic and mucosal antibody responses in mice. 2003 , 21, 961-70	40
2077	The role of Toll-like receptor 2 in microbial disease and immunity. 2003 , 21 Suppl 2, S55-60	113
2076	TLR-induced negative regulatory circuits: role of suppressor of cytokine signaling (SOCS) proteins in innate immunity. 2003 , 21 Suppl 2, S61-7	25
2075	'Lyme disease': ancient engine of an unrecognized borreliosis pandemic?. 2003 , 60, 742-59	31
2074	Regulation of expression of beta-defensins: endogenous enteric peptide antibiotics. 2003 , 40, 445-50	41
2073	TOLL-like receptors linking innate and adaptive immune response. 2003 , 91, 1-12	300
2072	Interaction of Yersinia enterocolitica with epithelial cells: invasin beyond invasion. 2003 , 293, 41-54	71
2071	The flagellum of Legionella pneumophila and its link to the expression of the virulent phenotype. 2003 , 293, 133-43	55
2070	Toll-like receptors and their signaling mechanisms. 2003 , 35, 555-62	213
2069	Allograft injury mediated by reactive oxygen species: from conserved proteins of Drosophila to acute and chronic rejection of human transplants. Part III: interaction of (oxidative) stress-induced heat shock proteins with toll-like receptor-bearing cells of innate immunity and its consequences for the development of acute and chronic allograft rejection. 2003 , 17, 67-86	44
2068	Toll-like receptor (TLR) 2 and TLR5, but not TLR4, are required for Helicobacter pylori-induced NF-kappa B activation and chemokine expression by epithelial cells. 2003 , 278, 32552-60	321
2067	Mycobacterial infection in TLR2 and TLR6 knockout mice. 2003 , 47, 327-36	137
2066	Nod1 detects a unique muropeptide from gram-negative bacterial peptidoglycan. 2003 , 300, 1584-7	1229

2065	Toll-like receptor signaling. 2003 , 278, 38105-8	549
2064	The Toll-like receptors and their role in septic shock. 2003 , 7, 603-12	47
2063	Toll-like receptors. 2003 , 809-822	
2062	Toll-like receptors and their function in innate and adaptive immunity. 2003 , 130, 180-92	127
2061	Cutting edge: a Toll-like receptor 2 polymorphism that is associated with lepromatous leprosy is unable to mediate mycobacterial signaling. 2003 , 170, 3451-4	215
2060	Molecular Diagnosis of Infectious Diseases. 2003 ,	1
2059	Integration host factor (IHF) mediates repression of flagella in enteropathogenic and enterohaemorrhagic Escherichia coli. 2003 , 149, 877-884	46
2058	Mycobacterial lipoarabinomannan mediates physical interactions between TLR1 and TLR2 to induce signaling. 2003 , 9, 264-268	52
2057	Activation of toll-like receptor 2 (TLR2) and TLR4/MD2 by Neisseria is independent of capsule and lipooligosaccharide (LOS) sialylation but varies widely among LOS from different strains. 2003 , 71, 3901-8	58
2056	Direct binding of Toll-like receptor 2 to zymosan, and zymosan-induced NF-kappa B activation and TNF-alpha secretion are down-regulated by lung collectin surfactant protein A. 2003 , 171, 417-25	275
2055	How we detect microbes and respond to them: the Toll-like receptors and their transducers. 2003 , 74, 479-85	442
2054	Enhanced CXC chemokine responses of human colonic epithelial cells to locus of enterocyte effacement-negative shiga-toxigenic Escherichia coli. 2003 , 71, 5623-32	32
2053	Oral treponemes and their outer membrane extracts activate human gingival epithelial cells through toll-like receptor 2. 2003 , 71, 717-25	47
2052	Innate immunity in breast carcinoma. 2003 , 10, 301-8	7
2051	Toll-like receptor 4-mediated innate IL-10 activates antigen-specific regulatory T cells and confers resistance to Bordetella pertussis by inhibiting inflammatory pathology. 2003 , 171, 3119-27	224
2050	Molecular Pathogenesis of Acute Pseudomonas Aeruginosa Infections. 2003 , 201-229	26
2049	Flagellin of enteropathogenic Escherichia coli stimulates interleukin-8 production in T84 cells. 2003 , 71, 2120-9	114
2048	Effect of bacterial flora on postimmunization gastritis following oral vaccination of mice with Helicobacter pylori heat shock protein 60. 2003 , 10, 808-12	21

2047	The poxvirus protein A52R targets Toll-like receptor signaling complexes to suppress host defense. 2003 , 197, 343-51	307
2046	Gastric mucosal recognition of <i>Helicobacter pylori</i> is independent of Toll-like receptor 4. 2003 , 187, 829-36	115
2045	Molecular basis for the immunostimulatory activity of guanine nucleoside analogs: activation of Toll-like receptor 7. 2003 , 100, 6646-51	488
2044	Signaling via Toll-like receptor 5 can initiate inflammatory mediator production by murine osteoblasts. 2003 , 71, 5418-21	29
2043	Flagellar phase variation in <i>Salmonella enterica</i> is mediated by a posttranscriptional control mechanism. 2003 , 185, 3567-74	105
2042	Structural study of binding of flagellin by Toll-like receptor 5. 2003 , 185, 4243-7	63
2041	Toll-like receptor signalling pathways as key targets for mediating the anti-inflammatory and immunosuppressive effects of glucocorticoids. 2003 , 179, 139-44	46
2040	Application of single-cell cultures of mouse splenocytes as an assay system to analyze the immunomodulatory properties of bacterial components. 2004 , 94, 159-75	
2039	Toll-like receptor-mediated activation of mast cells: implications for allergic disease?. 2003 , 132, 87-97	60
2038	Role of Toll-like receptors in pathogen recognition. 2003 , 16, 637-46	413
2037	Pretreatment of mice with streptomycin provides a <i>Salmonella enterica</i> serovar Typhimurium colitis model that allows analysis of both pathogen and host. 2003 , 71, 2839-58	699
2036	Soluble branched beta-(1,4)glucans from <i>Acetobacter</i> species show strong activities to induce interleukin-12 in vitro and inhibit T-helper 2 cellular response with immunoglobulin E production in vivo. 2003 , 278, 38571-8	31
2035	Reciprocal modulation of Toll-like receptor-4 signaling pathways involving MyD88 and phosphatidylinositol 3-kinase/AKT by saturated and polyunsaturated fatty acids. 2003 , 278, 37041-51	391
2034	<i>Aspergillus fumigatus</i> evades immune recognition during germination through loss of toll-like receptor-4-mediated signal transduction. 2003 , 188, 320-6	251
2033	Cutting edge: protective cell-mediated immunity to <i>Listeria monocytogenes</i> in the absence of myeloid differentiation factor 88. 2003 , 171, 533-7	64
2032	Identification of a sequence in human toll-like receptor 5 required for the binding of Gram-negative flagellin. 2003 , 278, 23624-9	118
2031	Regulatory T cells selectively express toll-like receptors and are activated by lipopolysaccharide. 2003 , 197, 403-11	831
2030	Induction of macrophage nitric oxide production by Gram-negative flagellin involves signaling via heteromeric Toll-like receptor 5/Toll-like receptor 4 complexes. 2003 , 170, 6217-23	156

2029	Flagellin is the major proinflammatory determinant of enteropathogenic Salmonella. 2003 , 171, 3668-74	188
2028	Innate immune responses to microbial poisons: discovery and function of the Toll-like receptors. 2003 , 43, 609-28	70
2027	The 19-kDa Mycobacterium tuberculosis protein induces macrophage apoptosis through Toll-like receptor-2. 2003 , 170, 2409-16	198
2026	Neutrophil gelatinase-associated lipocalin is up-regulated in human epithelial cells by IL-1 beta, but not by TNF-alpha. 2003 , 171, 6630-9	279
2025	Stimulation of Toll-like receptor 4 by lipopolysaccharide during cellular invasion by live Salmonella typhimurium is a critical but not exclusive event leading to macrophage responses. 2003 , 170, 5445-54	74
2024	The Toll-like receptor 5 stimulus bacterial flagellin induces maturation and chemokine production in human dendritic cells. 2003 , 170, 5165-75	328
2023	Role of CD4 T cell help and costimulation in CD8 T cell responses during Listeria monocytogenes infection. 2003 , 170, 2053-63	138
2022	A common dominant TLR5 stop codon polymorphism abolishes flagellin signaling and is associated with susceptibility to legionnaires' disease. 2003 , 198, 1563-72	513
2021	Baculovirus induces an innate immune response and confers protection from lethal influenza virus infection in mice. 2003 , 171, 1133-9	199
2020	Inhibitory coreceptors activated by antigens but not by anti-Ig heavy chain antibodies install requirement of costimulation through CD40 for survival and proliferation of B cells. 2003 , 171, 1835-43	45
2019	Intersection of the Kap123p-mediated nuclear import and ribosome export pathways. 2003 , 23, 2042-54	54
2018	Receptors, mediators, and mechanisms involved in bacterial sepsis and septic shock. 2003 , 16, 379-414	566
2017	Myeloid differentiation factor 88-dependent and -independent pathways in toll-like receptor signaling. 2003 , 187 Suppl 2, S356-63	116
2016	CD40-mediated up-regulation of Toll-like receptor 4-MD2 complex on the surface of murine dendritic cells. 2003 , 74, 1064-73	14
2015	Mycobacterial lipoarabinomannan mediates physical interactions between TLR1 and TLR2 to induce signaling. 2003 , 9, 264-8	80
2014	CpG oligodeoxynucleotides modulate the osteoclastogenic activity of osteoblasts via Toll-like receptor 9. 2003 , 278, 16732-40	73
2013	Regulation of dendritic cell function through toll-like receptors. 2003 , 3, 759-71	104
2012	The interleukin-1 receptor/Toll-like receptor superfamily: signal transduction during inflammation and host defense. 2003 , 2003, re3	358

2011	Synthetic vaccines: the role of adjuvants in immune targeting. 2003 , 10, 1423-39	73
2010	Associations between toll-like receptors and interleukin-4 in the lungs of patients with tuberculosis. 2003 , 29, 28-38	29
2009	Toll-like receptors and the genetics of innate immunity. 2003 , 3, 523-9	15
2008	Bacterial infections: small intestine and colon. 2003 , 19, 23-30	4
2007	Immunologic regulation of toll-like receptors in gut epithelium. 2003 , 19, 559-64	23
2006	Bacterial-enterocyte crosstalk: cellular mechanisms in health and disease. 2003 , 36, 175-85	52
2005	Flagellin from gram-negative bacteria is a potent mediator of acute pulmonary inflammation in sepsis. 2003 , 19, 131-7	89
2004	Role of flagellin in the pathogenesis of shock and acute respiratory distress syndrome: therapeutic opportunities. 2003 , 31, S39-45	16
2003	The urokinase receptor can be induced by <i>Borrelia burgdorferi</i> through receptors of the innate immune system. 2003 , 71, 5556-64	31
2002	A role for Toll-like receptors in acquired immunity: up-regulation of TLR9 by BCR triggering in naive B cells and constitutive expression in memory B cells. 2003 , 101, 4500-4	543
2001	Role of adapters in Toll-like receptor signalling. 2003 , 31, 637-42	155
2000	Host Immunity and Vaccine Development to <i>Coccidia</i> and <i>Salmonella</i> Infections in Chickens. 2003 , 40, 151-193	27
1999	[Role of the innate immune response in the brain]. 2003 , 19, 981-7	11
1998	TLR5-mediated activation of p38 MAPK regulates epithelial IL-8 expression via posttranscriptional mechanism. 2003 , 285, G282-90	105
1997	Genetic Polymorphism and Tumor Immunotherapy. 2003 , 1, 37-57	3
1996	[Protagonists of innate immunity during in <i>Salmonella</i> infections]. 2004 , 20, 1119-24	0
1995	NF-kappaB action in sepsis: the innate immune system and the heart. 2004 , 9, 1201-17	121
1994	Toll-like receptors in normal and cystic fibrosis airway epithelial cells. 2004 , 30, 777-83	218

1993	Contribution of Burkholderia cenocepacia flagella to infectivity and inflammation. 2004 , 72, 5126-34	72
1992	The N terminus of bacterial elongation factor Tu elicits innate immunity in Arabidopsis plants. 2004 , 16, 3496-507	644
1991	Lateral diffusion of Toll-like receptors reveals that they are transiently confined within lipid rafts on the plasma membrane. 2004 , 117, 4007-14	128
1990	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
1989	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
1988	Pseudomonas aeruginosa flagella activate airway epithelial cells through asialoGM1 and toll-like receptor 2 as well as toll-like receptor 5. 2004 , 30, 627-34	211
1987	Mucosal administration of flagellin induces innate immunity in the mouse lung. 2004 , 72, 6676-9	98
1986	Activation of airway epithelial cells by toll-like receptor agonists. 2004 , 31, 358-64	392
1985	Toll-like receptor 3-mediated activation of NF-kappaB and IRF3 diverges at Toll-IL-1 receptor domain-containing adapter inducing IFN-beta. 2004 , 101, 3533-8	308
1984	Endogenous ligands of Toll-like receptors. 2004 , 76, 514-9	540
1983	MyD88 plays a unique role in host defense but not arthritis development in Lyme disease. 2004 , 173, 2003-10	122
1982	Toll-like receptor 2 is required for optimal control of Listeria monocytogenes infection. 2004 , 72, 2131-9	144
1981	Induction of interleukin-8 in T84 cells by Vibrio cholerae. 2004 , 72, 389-97	25
1980	Host and bacterial factors affecting induction of immune responses to flagellin expressed by attenuated Salmonella vaccine strains. 2004 , 72, 2546-55	27
1979	STAT signaling underlies difference between flagellin-induced and tumor necrosis factor-alpha-induced epithelial gene expression. 2004 , 279, 35210-8	14
1978	APC-independent activation of NK cells by the Toll-like receptor 3 agonist double-stranded RNA. 2004 , 172, 138-43	206
1977	Direct evidence that toll-like receptor 9 (TLR9) functionally binds plasmid DNA by specific cytosine-phosphate-guanine motif recognition. 2004 , 279, 15124-9	83
1976	Biology of Toll receptors: lessons from insects and mammals. 2004 , 75, 18-26	115

1975	Injury, sepsis, and the regulation of Toll-like receptor responses. 2004 , 75, 400-7	113
1974	Toll-like receptors: emerging targets of immunomodulation. 2004 , 14, 85-100	7
1973	Endotoxin signaling in human macrophages: signaling via an alternate mechanism. 2004 , 10, 445-452	4
1972	Flagella and chemotaxis are required for efficient induction of Salmonella enterica serovar Typhimurium colitis in streptomycin-pretreated mice. 2004 , 72, 4138-50	253
1971	Cooperative interactions between flagellin and SopE2 in the epithelial interleukin-8 response to Salmonella enterica serovar typhimurium infection. 2004 , 72, 5052-62	49
1970	Structural and genetic characterization of glycosylation of type a flagellin in Pseudomonas aeruginosa. 2004 , 186, 2523-31	101
1969	Sensing bacterial flagellin by membrane and soluble orthologs of Toll-like receptor 5 in rainbow trout (Onchorhynchus mikiss). 2004 , 279, 48588-97	157
1968	Role of flagellin and the two-component CheA/CheY system of Listeria monocytogenes in host cell invasion and virulence. 2004 , 72, 3237-44	108
1967	Pseudomonas aeruginosa regulates flagellin expression as part of a global response to airway fluid from cystic fibrosis patients. 2004 , 101, 6664-8	120
1966	Expression of functional TLR4 confers proinflammatory responsiveness to Trypanosoma cruzi glycoinositolphospholipids and higher resistance to infection with T. cruzi. 2004 , 173, 5688-96	182
1965	Stimulation of toll-like receptor 2 by Coxiella burnetii is required for macrophage production of pro-inflammatory cytokines and resistance to infection. 2004 , 279, 54405-15	67
1964	Immunobiology of Organ Transplantation. 2004 ,	2
1963	Fimbriae, pili, flagella and bacterial virulence. 2005 , 12, 67-89	37
1962	MEK is a key modulator for TLR5-induced interleukin-8 and MIP3alpha gene expression in non-transformed human colonic epithelial cells. 2004 , 279, 25179-88	68
1961	In vitro and ex vivo activation of the TLR5 signaling pathway in intestinal epithelial cells by a commensal Escherichia coli strain. 2004 , 279, 42984-92	143
1960	Role of nicotinamide adenine dinucleotide phosphate oxidase 1 in oxidative burst response to Toll-like receptor 5 signaling in large intestinal epithelial cells. 2004 , 172, 3051-8	118
1959	Massive number of antigen-specific CD4 T cells during vaccination with live attenuated Salmonella causes interclonal competition. 2004 , 172, 6884-93	56
1958	Toll-like receptor 2 represses nonpilus adhesin-induced signaling in acute infections with the Pseudomonas aeruginosa pilA mutant. 2004 , 72, 4561-9	27

1957	Developmentally regulated IkappaB expression in intestinal epithelium and susceptibility to flagellin-induced inflammation. 2004 , 101, 7404-8	186
1956	IFN regulatory factor 3-dependent induction of type I IFNs by intracellular bacteria is mediated by a TLR- and Nod2-independent mechanism. 2004 , 173, 7416-25	171
1955	Human intestinal microvascular endothelial cells express Toll-like receptor 5: a binding partner for bacterial flagellin. 2004 , 172, 5056-62	69
1954	<i>Pseudomonas aeruginosa</i> flagellin and alginate elicit very distinct gene expression patterns in airway epithelial cells: implications for cystic fibrosis disease. 2004 , 173, 5659-70	87
1953	Different domains of <i>Pseudomonas aeruginosa</i> exoenzyme S activate distinct TLRs. 2004 , 173, 2031-40	59
1952	Gangliosides act as co-receptors for <i>Salmonella enteritidis</i> FljC and promote FljC induction of human beta-defensin-2 expression in Caco-2 cells. 2004 , 279, 12213-9	42
1951	Lipopolysaccharide and double-stranded RNA up-regulate toll-like receptor 2 independently of myeloid differentiation factor 88. 2004 , 279, 39727-35	45
1950	Vi polysaccharide of <i>Salmonella typhi</i> targets the prohibitin family of molecules in intestinal epithelial cells and suppresses early inflammatory responses. 2004 , 101, 17492-7	179
1949	Ligand-regulated chimeric receptor approach reveals distinctive subcellular localization and signaling properties of the Toll-like receptors. 2004 , 279, 19008-17	187
1948	The roles of two IkappaB kinase-related kinases in lipopolysaccharide and double stranded RNA signaling and viral infection. 2004 , 199, 1641-50	469
1947	<i>Listeria monocytogenes</i> regulates flagellar motility gene expression through MogR, a transcriptional repressor required for virulence. 2004 , 101, 12318-23	155
1946	Flagellin promotes myeloid differentiation factor 88-dependent development of Th2-type response. 2004 , 172, 6922-30	254
1945	Contribution of Toll-like receptor 9 signaling to the acute inflammatory response to nonviral vectors. 2004 , 9, 241-8	75
1944	The transcriptional innate immune response to flg22. Interplay and overlap with Avr gene-dependent defense responses and bacterial pathogenesis. 2004 , 135, 1113-28	465
1943	Shielding the double-edged sword: negative regulation of the innate immune system. 2004 , 75, 428-33	64
1942	<i>Trypanosoma cruzi</i> and its components as exogenous mediators of inflammation recognized through Toll-like receptors. 2004 , 13, 139-43	40
1941	Sequence polymorphism in the glycosylation island and flagellins of <i>Pseudomonas aeruginosa</i> . 2004 , 186, 2115-22	51
1940	<i>Salmonella typhimurium</i> SipA-induced neutrophil transepithelial migration: involvement of a PKC-alpha-dependent signal transduction pathway. 2004 , 286, G1024-31	36

1939	Toll-like receptors: function and roles in lung disease. 2004 , 286, L887-92	152
1938	Signaling danger: toll-like receptors and their potential roles in kidney disease. 2004 , 15, 854-67	301
1937	Neutrophil serine proteinases cleave bacterial flagellin, abrogating its host response-inducing activity. 2004 , 172, 509-15	71
1936	Endotoxin signaling in human macrophages: signaling via an alternate mechanism. 2004 , 10, 445-52	5
1935	Role of Toll-like receptor 4 in the initiation and progression of atherosclerotic disease. 2004 , 34, 328-34	120
1934	Differential production of cytokines, reactive oxygen and nitrogen by bovine macrophages and dendritic cells stimulated with Toll-like receptor agonists. 2004 , 111, 41-52	116
1933	Toll-like receptor (TLR) expression and TLR-mediated cytokine/chemokine production by human uterine epithelial cells. 2004 , 112, 428-36	258
1932	Enteroaggregative Escherichia coli flagellin-induced interleukin-8 secretion requires Toll-like receptor 5-dependent p38 MAP kinase activation. 2004 , 112, 651-60	69
1931	Lipid-associated membrane proteins of Mycoplasma fermentans and M. penetrans activate human immunodeficiency virus long-terminal repeats through Toll-like receptors. 2004 , 113, 121-9	43
1930	Minireview: functions of the renal tract epithelium in coordinating the innate immune response to infection. 2004 , 66, 1334-44	43
1929	Antigen-presentation and the role of dendritic cells in periodontitis. 2004 , 35, 135-57	61
1928	Modulating vaccine responses with dendritic cells and Toll-like receptors. 2004 , 199, 227-50	259
1927	Role of the Toll/interleukin-1 receptor signaling pathway in host resistance and pathogenesis during infection with protozoan parasites. 2004 , 201, 9-25	78
1926	Is targeting Toll-like receptors and their signaling pathway a useful therapeutic approach to modulating cytokine-driven inflammation?. 2004 , 202, 250-65	152
1925	Induction of allergic inflammation by interleukin-18 in experimental animal models. 2004 , 202, 115-38	68
1924	Innate immunity in plants and animals: striking similarities and obvious differences. 2004 , 198, 249-66	923
1923	The extracellular matrix protein mindin is a pattern-recognition molecule for microbial pathogens. 2004 , 5, 88-97	132
1922	Interferon-alpha induction through Toll-like receptors involves a direct interaction of IRF7 with MyD88 and TRAF6. 2004 , 5, 1061-8	790

1921	From plankton to pathogen recognition. 2004 , 10, 1173-4		20
1920	Immune surveillance in the skin: mechanisms and clinical consequences. 2004 , 4, 211-22		565
1919	Toll-like receptor signalling. 2004 , 4, 499-511		6402
1918	Immune responses to <i>Listeria monocytogenes</i> . 2004 , 4, 812-23		639
1917	War and peace at mucosal surfaces. 2004 , 4, 953-64		516
1916	Pathogenic <i>Escherichia coli</i> . 2004 , 2, 123-40		3006
1915	Cdc42 and mDia3 regulate microtubule attachment to kinetochores. <i>Nature</i> , 2004 , 428, 767-71	50.4	168
1914	Bacterial disease resistance in <i>Arabidopsis</i> through flagellin perception. <i>Nature</i> , 2004 , 428, 764-7	50.4	1254
1913	Inferences, questions and possibilities in Toll-like receptor signalling. <i>Nature</i> , 2004 , 430, 257-63	50.4	1228
1912	Lipocalin 2 mediates an innate immune response to bacterial infection by sequestering iron. <i>Nature</i> , 2004 , 432, 917-21	50.4	1292
1911	Rapid and inexpensive real-time PCR for genotyping functional polymorphisms within the Toll-like receptor -2, -4, and -9 genes. 2004 , 285, 281-91		52
1910	Flagellin acting via TLR5 is the major activator of key signaling pathways leading to NF-kappa B and proinflammatory gene program activation in intestinal epithelial cells. 2004 , 4, 33		134
1909	The systemic inflammatory response syndrome. 2004 , 18, 455-75		55
1908	Microbes and their products--physiological effects upon mammalian mucosa. 2004 , 56, 727-62		10
1907	Intestinal epithelial cell regulation of mucosal inflammation. 2004 , 29, 55-68		58
1906	Reducing the immunostimulatory activity of CpG-containing plasmid DNA vectors for non-viral gene therapy. 2004 , 1, 115-25		30
1905	Characterization of gene structure and expression of two toll-like receptors from Japanese flounder, <i>Paralichthys olivaceus</i> . 2004 , 56, 38-46		112
1904	New insights into the pathogenesis of inflammatory bowel disease. 2004 , 6, 474-81		10

1903	Toll-like Receptors and Sepsis. 2004 , 6, 361-366	26
1902	Cystic fibrosis airway epithelial cell polarity and bacterial flagellin determine host response to <i>Pseudomonas aeruginosa</i> . 2004 , 6, 49-63	70
1901	Characterization of flagellin expression and its role in <i>Listeria monocytogenes</i> infection and immunity. 2004 , 6, 235-42	126
1900	Responses to the soluble flagellar protein FlhC are Th2, while those to FlhC on <i>Salmonella</i> are Th1. 2004 , 34, 2986-95	108
1899	Hemolymph-dependent and -independent responses in <i>Drosophila</i> immune tissue. 2004 , 92, 849-63	39
1898	Immunotherapy with autologous tumor cells engineered to secrete Tag7/PGRP, an innate immunity recognition molecule. 2004 , 6, 798-808	16
1897	Phylogenetics in the bioinformatics culture of understanding. 2004 , 5, 128-46	10
1896	Innate immune recognition of microbes through Nod1 and Nod2: implications for disease. 2004 , 6, 609-16	57
1895	Genetic analysis of innate immunity: TIR adapter proteins in innate and adaptive immune responses. 2004 , 6, 1374-81	23
1894	Pleiotropic function of Toll-like receptors. 2004 , 6, 1388-94	105
1893	Acute exposure to ethanol affects Toll-like receptor signaling and subsequent responses: an overview of recent studies. 2004 , 33, 235-9	40
1892	Induction of antiviral immunity by double-stranded RNA in a marine invertebrate. 2004 , 78, 10442-8	226
1891	Microglia initiate central nervous system innate and adaptive immune responses through multiple TLRs. 2004 , 173, 3916-24	909
1890	CpG and double-stranded RNA trigger human NK cells by Toll-like receptors: induction of cytokine release and cytotoxicity against tumors and dendritic cells. 2004 , 101, 10116-21	371
1889	Isolation of mini-Tn5Km2 insertion mutants of <i>Salmonella enterica</i> serovar Oranienburg sensitive to NaCl-induced osmotic stress. 2004 , 48, 981-4	2
1888	Toll-like receptors and their role in the development of autoimmune diseases. 2004 , 37, 183-8	59
1887	R�cepteurs de type Toll, r�ponse inflammatoire et sepsis. 2004 , 13, 167-175	2
1886	Inhibition of IL-10 receptor function in alveolar macrophages by Toll-like receptor agonists. 2004 , 172, 2613-20	82

1885	Functions of Toll-like receptors: lessons from KO mice. 2004 , 327, 581-581	
1884	Microbial recognition by Toll-like receptors. 2004 , 34, 73-82	211
1883	Leucine-rich repeat receptor kinases in plants: structure, function, and signal transduction pathways. 2004 , 234, 1-46	243
1882	Expression of Toll-like receptors 2 and 4 is downregulated after operation. 2004 , 135, 376-85	32
1881	Pseudomonas. 2004 ,	6
1880	Prediction of survival in follicular lymphoma based on molecular features of tumor-infiltrating immune cells. 2004 , 351, 2159-69	1141
1879	Mastitis increases mammary mRNA abundance of beta-defensin 5, toll-like-receptor 2 (TLR2), and TLR4 but not TLR9 in cattle. 2004 , 11, 174-85	195
1878	The <i>Trichuris muris</i> system: a paradigm of resistance and susceptibility to intestinal nematode infection. 2004 , 57, 255-307	128
1877	Flagellin is not a major defense elicitor in <i>Ralstonia solanacearum</i> cells or extracts applied to <i>Arabidopsis thaliana</i> . 2004 , 17, 696-706	90
1876	Forward genetic dissection of afferent immunity: the role of TIR adapter proteins in innate and adaptive immune responses. 2004 , 327, 571-80	24
1875	Functions of toll-like receptors: lessons from KO mice. 2004 , 327, 581-9	143
1874	The interleukin 1 receptor family. 2004 , 28, 415-28	113
1873	Host defense peptides in burns. 2004 , 30, 619-27	35
1872	Bacterial flagellins: mediators of pathogenicity and host immune responses in mucosa. 2004 , 12, 509-17	350
1871	TLR signaling pathways. 2004 , 16, 3-9	1685
1870	The role of Toll-like receptors in combating mycobacteria. 2004 , 16, 35-41	122
1869	Mucosal immunization with purified flagellin from <i>Salmonella</i> induces systemic and mucosal immune responses in C3H/HeJ mice. 2004 , 22, 3797-808	76
1868	Host cell-pathogen interface: molecular mechanisms and genetics. 2004 , 22 Suppl 1, S21-4	7

1867	C-Class CpG ODN: sequence requirements and characterization of immunostimulatory activities on mRNA level. 2004 , 209, 141-54	58
1866	The immunobiology of the TLR9 subfamily. 2004 , 25, 381-6	283
1865	Toll-like receptor gene family and TIR-domain adapters in <i>Danio rerio</i> . 2004 , 40, 759-71	349
1864	Plant perception systems for pathogen recognition and defence. 2004 , 41, 1055-62	61
1863	Polymorphism report: identification of two common single nucleotide polymorphisms in the human toll-like receptor 5 (TLR5) gene. 2004 , 18, 205	2
1862	Innate immunity and toll-like receptors: clinical implications of basic science research. 2004 , 144, 421-9	146
1861	Activation of mast cells by double-stranded RNA: evidence for activation through Toll-like receptor 3. 2004 , 114, 174-82	284
1860	Flagellin fusion proteins as adjuvants or vaccines induce specific immune responses. 2004 , 72, 2810-6	145
1859	Identification of conserved domains in <i>Salmonella muenchen</i> flagellin that are essential for its ability to activate TLR5 and to induce an inflammatory response in vitro. 2004 , 279, 5667-75	89
1858	Human models of endotoxemia and recombinant human activated protein C. 2004 , 32, S202-8	36
1857	Ethanol suppresses cytokine responses induced through Toll-like receptors as well as innate resistance to <i>Escherichia coli</i> in a mouse model for binge drinking. 2004 , 33, 147-155	76
1856	Interaction between resident luminal bacteria and the host: can a healthy relationship turn sour?. 2004 , 38, 123-36	60
1855	Immunology and Inflammation. 2004 ,	
1854	Direct bacterial protein PAMP recognition by human NK cells involves TLRs and triggers alpha-defensin production. 2004 , 104, 1778-83	260
1853	Vaccination and Autoimmunity. 2004 ,	
1852	The role of bacterial infection in the pathogenesis of inflammatory bowel disease. 2004 , 43, 534-9	35
1851	Proteoglycan isolated from <i>Phellinus linteus</i> induces toll-like receptors 2- and 4-mediated maturation of murine dendritic cells via activation of ERK, p38, and NF-kappaB. 2004 , 27, 1656-62	57
1850	Cytokines in Salmonellosis. 2004 , 1,	

1849	Bacterial flagellin is a dominant antigen in Crohn disease. 2004 , 113, 1296-1306	555
1848	Identification of a peptide derived from vaccinia virus A52R protein that inhibits cytokine secretion in response to TLR-dependent signaling and reduces in vivo bacterial-induced inflammation. 2005 , 174, 3006-14	46
1847	The role of toll-like receptor 9 in the intestine. 2005 , 21, 360-2	3
1846	Thematic review series: The immune system and atherogenesis. Paying the price for pathogen protection: toll receptors in atherogenesis. 2005 , 46, 404-11	85
1845	The Induction of Dendritic Cell Activation and Maturation by Toll-Like Receptor Signaling. 2005 , 147-161	
1844	Structures and Motifs Involved in Toll Signaling. 2005 , 56-93	2
1843	Monocyte-derived dendritic cells activated by bacteria or by bacteria-stimulated epithelial cells are functionally different. 2005 , 106, 2818-26	134
1842	PPAR-gamma agonists inhibit toll-like receptor-mediated activation of dendritic cells via the MAP kinase and NF-kappaB pathways. 2005 , 106, 3888-94	153
1841	Toll-like Receptor 9 and Autoimmunity. 2005 , 17-25	
1840	[The role of mast cells in allergic inflammation--from the view point of innate immune system involvement]. 2005 , 125, 259-64	1
1839	Impaired recognition by Toll-like receptor 4 is responsible for exacerbated murine Pneumocystis pneumonia. 2005 , 7, 195-203	35
1838	Biological importance of the two Toll-like receptors, TLR2 and TLR4, in macrophage response to infection with <i>Candida albicans</i> . 2005 , 44, 69-79	52
1837	Salmonella flagellin, a microbial target of the innate and adaptive immune system. 2005 , 101, 117-22	71
1836	Toll-like receptor activation in the pathogenesis of systemic lupus erythematosus. 2005 , 1062, 242-51	43
1835	Effects of flagellin on innate and adaptive immunity. 2005 , 33, 83-101	120
1834	Pathogen recognition with Toll-like receptors. 2005 , 17, 338-44	443
1833	Toll-like receptor 2-mediated gene expression in epithelial cells during <i>Helicobacter pylori</i> infection. 2005 , 10, 193-204	47
1832	Immunity in response to particulate antigen-delivery systems. 2005 , 57, 333-55	242

1831	TLRs as bacterial sensors. 2006 , 1-17	1
1830	Toll-like receptors and airway disease. 2006 , 63-86	
1829	Endogenous regulation of toll-like receptor signalling. 2006 , 193-211	
1828	Signal transduction in <i>Campylobacter jejuni</i> -induced cytokine production. 2005 , 7, 655-65	76
1827	Lipopolysaccharides from <i>Helicobacter pylori</i> can act as antagonists for Toll-like receptor 4. 2005 , 7, 519-28	77
1826	Engagement of Toll-like receptors by mycoplasmal superantigen: downregulation of TLR2 by MAM/TLR4 interaction. 2005 , 7, 789-97	23
1825	Aggregative adherence fimbriae contribute to the inflammatory response of epithelial cells infected with enteroaggregative <i>Escherichia coli</i> . 2005 , 7, 1565-78	103
1824	Eicosanoid-mediated proinflammatory activity of <i>Pseudomonas aeruginosa</i> ExoU. 2005 , 7, 1811-22	63
1823	Allergen immunotherapy with heat-killed <i>Listeria monocytogenes</i> alleviates peanut and food-induced anaphylaxis in dogs. 2005 , 60, 243-50	45
1822	CsgA is a pathogen-associated molecular pattern of <i>Salmonella enterica</i> serotype Typhimurium that is recognized by Toll-like receptor 2. 2005 , 58, 289-304	121
1821	Various members of the Toll-like receptor family contribute to the innate immune response of human epidermal keratinocytes. 2005 , 114, 531-41	277
1820	Tracking the dynamics of T-cell activation in response to <i>Salmonella</i> infection. 2005 , 114, 450-8	70
1819	Toll-like receptors-2, -3 and -4 expression patterns on human colon and their regulation by mucosal-associated bacteria. 2005 , 115, 565-74	220
1818	Qualitatively distinct patterns of cytokines are released by human dendritic cells in response to different pathogens. 2005 , 116, 245-54	41
1817	Regulation of lung injury and repair by Toll-like receptors and hyaluronan. 2005 , 11, 1173-9	1133
1816	Negative regulation of toll-like receptor-mediated immune responses. 2005 , 5, 446-58	1230
1815	LPS, TLR4 and infectious disease diversity. 2005 , 3, 36-46	718
1814	The multifarious, multireplicon <i>Burkholderia cepacia</i> complex. 2005 , 3, 144-56	629

1813	Insights into host responses against pathogens from transcriptional profiling. 2005 , 3, 281-94	524
1812	The physiological regulation of toll-like receptor expression and function in humans. 2005 , 563, 945-55	116
1811	Integral role of IRF-5 in the gene induction programme activated by Toll-like receptors. <i>Nature</i> , 2005 , 434, 243-9	50.4 776
1810	Control of B-cell responses by Toll-like receptors. <i>Nature</i> , 2005 , 438, 364-8	50.4 602
1809	Epithelial cells in the female reproductive tract: a central role as sentinels of immune protection. 2005 , 53, 65-76	180
1808	The role of toll-like receptors in the pathogenesis and treatment of dermatological disease. 2005 , 125, 1-8	145
1807	Mechanisms of innate immune responses mediated by Toll-like receptors. 2005 , 5, 167-183	5
1806	Peptide signalling in plant development and self/non-self perception. 2005 , 17, 116-22	65
1805	Pulmonary DNA vaccination: concepts, possibilities and perspectives. 2005 , 107, 1-29	63
1804	Innate immunity and the lung: defense at the interface between host and environment. 2005 , 15, 195-202	36
1803	In response to pathogens, glial cells dynamically and differentially regulate Toll-like receptor gene expression. 2005 , 169, 116-25	85
1802	Contribution of Toll-like receptor/myeloid differentiation factor 88 signaling to murine liver regeneration. 2005 , 41, 443-50	141
1801	Altered monocyte responses to defined TLR ligands in patients with primary biliary cirrhosis. 2005 , 42, 802-8	153
1800	Protein from intestinal <i>Eimeria</i> protozoan stimulates IL-12 release from dendritic cells, exhibits antitumor properties in vivo and is correlated with low intestinal tumorigenicity. 2005 , 114, 756-65	27
1799	Plasmacytoid dendritic cell precursors/type I interferon-producing cells sense viral infection by Toll-like receptor (TLR) 7 and TLR9. 2005 , 26, 221-9	148
1798	Modulation of Toll-interleukin 1 receptor mediated signaling. 2005 , 83, 258-66	122
1797	Consequence of functional Nod2 and Tlr4 mutations on gene transcription in Crohn's disease patients. 2005 , 83, 601-9	48
1796	Innate defenses of the intestinal epithelial barrier. 2005 , 62, 1297-307	151

1795	Contribution of microbial-associated molecules in innate mucosal responses. 2005 , 62, 1349-58	27
1794	Manifold mechanisms of Toll-like receptor-ligand recognition. 2005 , 25, 511-21	82
1793	The host response to the probiotic <i>Escherichia coli</i> strain Nissle 1917: specific up-regulation of the proinflammatory chemokine MCP-1. 2005 , 6, 43	43
1792	Inhibition of Toll Like Receptor immune responses by microbial pathogens. 2005 , 10, 582-7	31
1791	Toll-like Receptors and their Adaptors in Innate Immunity. 2005 , 4, 3-11	1
1790	SIGIRR / TIR8: A Negative Regulator of Toll-IL-1R Signaling. 2005 , 4, 21-27	
1789	[Toll-like receptor]. 2005 , 28, 309-17	9
1788	Supramolecular Activation Clusters in Innate Immunity. 2005 , 94-109	
1787	Interleukin-1 Receptor/Toll-Like Receptor Signaling. 2005 , 110-130	
1786	Regulatory T cells and the innate immune system. 2005 , 77-91	
1785	Activation, cytokine production, and intracellular survival of bacteria in <i>Salmonella</i> -infected human monocyte-derived macrophages and dendritic cells. 2005 , 78, 909-20	43
1784	Flagellin enhances NK cell proliferation and activation directly and through dendritic cell-NK cell interactions. 2005 , 78, 888-97	73
1783	Characterization of Toll-like receptors in the female reproductive tract in humans. 2005 , 20, 1372-8	200
1782	Elevated flagellin-specific immunoglobulins in Crohn's disease. 2005 , 288, G403-6	103
1781	How Toll-like receptors and Nod-like receptors contribute to innate immunity in mammals. 2005 , 11, 390-4	58
1780	Inflammatory responses of corneal epithelial cells to <i>Pseudomonas aeruginosa</i> infection. 2005 , 30, 527-34	42
1779	Combating Bacterial Pathogens Through Host Defense Gene Programs. 2005 , 1, 43-54	6
1778	Immunostimulatory oligonucleotides in therapy of allergic diseases. 2005 , 5, 525-36	6

1777	Human airway epithelial cells sense <i>Pseudomonas aeruginosa</i> infection via recognition of flagellin by Toll-like receptor 5. 2005 , 73, 7151-60	158
1776	Chemokines: Central Mediators of the Innate Response to Sepsis. 2005 , 1, 237-260	3
1775	CD14 and toll-like receptors: potential contribution of genetic factors and mechanisms to inflammation and allergy. 2005 , 4, 169-75	37
1774	<i>Bordetella bronchiseptica</i> flagellin is a proinflammatory determinant for airway epithelial cells. 2005 , 73, 7525-34	26
1773	Listeriolysin O-induced membrane permeation mediates persistent interleukin-6 production in Caco-2 cells during <i>Listeria monocytogenes</i> infection in vitro. 2005 , 73, 3869-77	39
1772	Bacterial peptidoglycan-associated lipoprotein: a naturally occurring toll-like receptor 2 agonist that is shed into serum and has synergy with lipopolysaccharide. 2005 , 191, 939-48	83
1771	TIR domain-containing adaptors regulate TLR signaling pathways. 2005 , 560, 1-9	35
1770	Mechanisms of Lymphocyte Activation and Immune Regulation X. 2005 ,	
1769	Cellular mechanisms of the adjuvant activity of the flagellin component FljB of <i>Salmonella enterica</i> Serovar Typhimurium to potentiate mucosal and systemic responses. 2005 , 73, 6763-70	51
1768	Molecular Autoimmunity. 2005 ,	4
1767	Differential roles of Toll-like receptors 2 and 4 in in vitro responses of macrophages to <i>Legionella pneumophila</i> . 2005 , 73, 352-61	79
1766	Pellino3 is a novel upstream regulator of p38 MAPK and activates CREB in a p38-dependent manner. 2005 , 280, 27759-68	42
1765	Host susceptibility and clinical outcomes in toll-like receptor 5-deficient patients with typhoid fever in Vietnam. 2005 , 191, 1068-71	56
1764	Involvement of the Toll-like receptor 9 signaling pathway in the induction of innate immunity by baculovirus. 2005 , 79, 2847-58	194
1763	Bacterial interactions with cells of the intestinal mucosa: Toll-like receptors and NOD2. 2005 , 54, 1182-93	233
1762	Phagocytosis of <i>Salmonella montevideo</i> by human neutrophils: immune adherence increases phagocytosis, whereas the bacterial surface determines the route of intracellular processing. 2005 , 192, 200-9	8
1761	Genetic analysis of innate immunity: identification and function of the TIR adapter proteins. 2005 , 560, 29-39	28
1760	Toll-like Receptors in Innate Immunity. 2005 , 80-90	1

1759	Structure and function of bacterial super-biosystem responsible for import and depolymerization of macromolecules. 2005 , 69, 673-92	21
1758	Evasion of Toll-like receptor 5 by flagellated bacteria. 2005 , 102, 9247-52	481
1757	How Toll-like receptors and Nod-like receptors contribute to innate immunity in mammals. 2005 , 11, 390-394	28
1756	Human CD4+ T cells express TLR5 and its ligand flagellin enhances the suppressive capacity and expression of FOXP3 in CD4+CD25+ T regulatory cells. 2005 , 175, 8051-9	289
1755	Viral inhibition of IL-1- and neutrophil elastase-induced inflammatory responses in bronchial epithelial cells. 2005 , 175, 7594-601	25
1754	TGF-alpha regulates TLR expression and function on epidermal keratinocytes. 2005 , 174, 6137-43	132
1753	Gangliosides inhibit flagellin signaling in the absence of an effect on flagellin binding to toll-like receptor 5. 2005 , 280, 9482-8	31
1752	Apoptosis induced by the toll-like receptor adaptor TRIF is dependent on its receptor interacting protein homotypic interaction motif. 2005 , 174, 4942-52	290
1751	TLR-induced inflammation in cystic fibrosis and non-cystic fibrosis airway epithelial cells. 2005 , 174, 1638-46	191
1750	Gamma delta T cells respond directly to pathogen-associated molecular patterns. 2005 , 174, 6045-53	93
1749	FliC-specific CD4+ T cell responses are restricted by bacterial regulation of antigen expression. 2005 , 174, 7929-38	64
1748	Specific inhibition of MyD88-independent signaling pathways of TLR3 and TLR4 by resveratrol: molecular targets are TBK1 and RIP1 in TRIF complex. 2005 , 175, 3339-46	214
1747	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
1746	Role of FliF and FliI of Listeria monocytogenes in flagellar assembly and pathogenicity. 2005 , 73, 5530-9	57
1745	Activation of innate immunity, inflammation, and potentiation of DNA vaccination through mammalian expression of the TLR5 agonist flagellin. 2005 , 175, 3882-91	76
1744	A stop codon polymorphism of Toll-like receptor 5 is associated with resistance to systemic lupus erythematosus. 2005 , 102, 10593-7	130
1743	Toll-IL-1 receptor domain-containing adaptor protein is critical for early lung immune responses against Escherichia coli lipopolysaccharide and viable Escherichia coli. 2005 , 175, 7484-95	57
1742	Toll-like receptor 4 polymorphisms are associated with resistance to Legionnaires' disease. 2005 , 102, 2487-9	149

1741	Innate immunity in the human female reproductive tract: antiviral response of uterine epithelial cells to the TLR3 agonist poly(I:C). 2005 , 174, 992-1002	231
1740	The Flag-2 locus, an ancestral gene cluster, is potentially associated with a novel flagellar system from <i>Escherichia coli</i> . 2005 , 187, 1430-40	69
1739	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
1738	The molecular pathophysiology of bacterially induced preterm labor: insights from the murine model. 2005 , 12, 145-55	85
1737	DNA vaccines for poultry: the jump from theory to practice. 2005 , 4, 51-62	25
1736	Innate Immunity in the Skin: How Keratinocytes Fight Against Pathogens. 2005 , 1, 29-42	55
1735	TLRs and NODs mRNA expression pattern in healthy mouse eye. 2005 , 89, 904-10	41
1734	Synthetic TLR agonists reveal functional differences between human TLR7 and TLR8. 2005 , 174, 1259-68	556
1733	TLR-dependent activation stimuli associated with Th1 responses confer NK cell stimulatory capacity to mouse dendritic cells. 2005 , 175, 286-92	57
1732	A dipalmitoylated lipoprotein from <i>Mycoplasma pneumoniae</i> activates NF-kappa B through TLR1, TLR2, and TLR6. 2005 , 175, 4641-6	121
1731	Relative contributions of NK and CD8 T cells to IFN-gamma mediated innate immune protection against <i>Listeria monocytogenes</i> . 2005 , 175, 1751-7	91
1730	Vaccination and early protection against non-host-specific <i>Salmonella</i> serotypes in poultry: exploitation of innate immunity and microbial activity. 2005 , 133, 959-78	121
1729	Genetic loci of major antigenic protein genes of <i>Edwardsiella tarda</i> . 2005 , 71, 5654-8	27
1728	Sublethal infection of C57BL/6 mice with <i>Salmonella enterica</i> Serovar Typhimurium leads to an increase in levels of Toll-like receptor 1 (TLR1), TLR2, and TLR9 mRNA as well as a decrease in levels of TLR6 mRNA in infected organs. 2005 , 73, 1873-8	20
1727	Identification and functional characterization of chicken toll-like receptor 5 reveals a fundamental role in the biology of infection with <i>Salmonella enterica</i> serovar typhimurium. 2005 , 73, 2344-50	147
1726	Role of motility in the colonization of uropathogenic <i>Escherichia coli</i> in the urinary tract. 2005 , 73, 7644-56	168
1725	The alternative sigma factor AlgT represses <i>Pseudomonas aeruginosa</i> flagellum biosynthesis by inhibiting expression of fleQ. 2005 , 187, 7955-62	76
1724	The anti-inflammatory compound curcumin inhibits <i>Neisseria gonorrhoeae</i> -induced NF-kappaB signaling, release of pro-inflammatory cytokines/chemokines and attenuates adhesion in late infection. 2005 , 386, 481-90	42

1723	Fish soluble Toll-like receptor 5 (TLR5S) is an acute-phase protein with integral flagellin-recognition activity. 2005 , 15, 519	3
1722	Antibodies raised against N'-terminal Pseudomonas aeruginosa flagellin prevent mortality in lethal murine models of infection. 2005 , 16, 165	5
1721	CD4+ T cells and toll-like receptors recognize Salmonella antigens expressed in bacterial surface organelles. 2005 , 73, 1350-6	49
1720	Nod1 participates in the innate immune response to Pseudomonas aeruginosa. 2005 , 280, 36714-8	119
1719	Genetic polymorphisms and sepsis. 2005 , 24, 300-12	154
1718	Toll-like receptors recognize uropathogenic Escherichia coli and trigger inflammation in the urinary tract. 2005 , 20, 1529-32	22
1717	Cell biology of antigen processing in vitro and in vivo. 2005 , 23, 975-1028	883
1716	Pathogen Recognition by Toll-like Receptors. 2005 , 5, 167-182	5
1715	TLR11 activation of dendritic cells by a protozoan profilin-like protein. 2005 , 308, 1626-9	775
1714	Non-host resistance in plants: new insights into an old phenomenon. 2005 , 6, 335-45	248
1713	Toll-like Receptors in Inflammation. 2005 ,	1
1712	Regulatory T Cells in Inflammation. 2005 ,	1
1711	Toll and Toll-Like Receptors: An Immunologic Perspective. 2005 ,	
1710	Molecular mechanisms of autoimmunity triggered by microbial infection. 2005 , 7, 215-24	40
1709	The molecular structure of the Toll-like receptor 3 ligand-binding domain. 2005 , 102, 10976-80	305
1708	The biology of human lymphoid malignancies revealed by gene expression profiling. 2005 , 87, 163-208	174
1707	Toll-like receptor signaling inhibits hepatitis B virus replication in vivo. 2005 , 79, 7269-72	350
1706	Toll-like Receptors. 2005 ,	1

1705	Recombinant HIV-1 Pr55gag virus-like particles: potent stimulators of innate and acquired immune responses. 2005 , 42, 259-77	120
1704	Type I interferons and the innate immune response--more than just antiviral cytokines. 2005 , 42, 869-77	91
1703	Bacterial modulation of mucosal innate immunity. 2005 , 42, 895-901	74
1702	Helicobacter pylori and the innate immune system. 2005 , 295, 325-34	10
1701	CCL19 and CCL21 induce a potent proinflammatory differentiation program in licensed dendritic cells. 2005 , 22, 493-505	194
1700	Commensal gut bacteria: mechanisms of immune modulation. 2005 , 26, 326-33	267
1699	Of mice and man: TLR11 (finally) finds profilin. 2005 , 26, 509-11	96
1698	Viruses selectively upregulate Toll-like receptors in the central nervous system. 2005 , 336, 925-33	82
1697	Activation of TLR3 and TLR5 in channel catfish exposed to virulent Edwardsiella ictaluri. 2005 , 29, 713-21	109
1696	Expression and function of Toll-like receptors in chicken heterophils. 2005 , 29, 791-807	193
1695	Adaptor usage and Toll-like receptor signaling specificity. 2005 , 579, 3330-5	118
1694	Lethal encephalitis in myeloid differentiation factor 88-deficient mice infected with herpes simplex virus 1. 2005 , 166, 1419-26	74
1693	Toll-like receptor, MHC II, B7 and cytokine expression by porcine monocytes and monocyte-derived dendritic cells in response to microbial pathogen-associated molecular patterns. 2005 , 107, 235-47	63
1692	New trends in antigen uptake in the gut mucosa. 2005 , 13, 485-90	33
1691	Induction of protective immunity by Legionella pneumophila flagellum in an A/J mouse model. 2005 , 23, 4811-20	25
1690	TLR agonists as vaccine adjuvants: comparison of CpG ODN and Resiquimod (R-848). 2005 , 23, 5263-70	123
1689	The role of toll-like receptors in the pathophysiology of acne. 2005 , 24, 73-8	31
1688	The use of immunostimulants in fish larval aquaculture. 2005 , 19, 457-72	330

1687	Human lung cancer cells express functionally active Toll-like receptor 9. 2005 , 6, 1	202
1686	Quantitative trait analysis of the development of pulmonary tolerance to inhaled zinc oxide in mice. 2005 , 6, 73	17
1685	Recognition of bacterial products by toll-like receptors. 2005 , 86, 99-119	32
1684	DNA vaccine. 2005 , 54, 257-89	61
1683	Strategic targets of essential host-pathogen interactions. 2005 , 72, 9-25	30
1682	Antibodies to CBir1 flagellin define a unique response that is associated independently with complicated Crohn's disease. 2005 , 128, 2020-8	382
1681	Innate immune responses to infection. 2005 , 116, 241-9; quiz 250	250
1680	Proteomics-based identification of outer-membrane proteins responsible for import of macromolecules in <i>Sphingomonas</i> sp. A1: alginate-binding flagellin on the cell surface. 2005 , 44, 13783-94	47
1679	Review of the innate immune response in acne vulgaris: activation of Toll-like receptor 2 in acne triggers inflammatory cytokine responses. 2005 , 211, 193-8	194
1678	Negative regulation of cytokine and TLR signalings by SOCS and others. 2005 , 87, 61-122	75
1677	Toll-like receptor downstream signaling. 2005 , 7, 12-9	192
1676	Renal Toll-like receptors: recent advances and implications for disease. 2006 , 2, 568-81	47
1675	The interleukin-1 receptor family. 2006 , 74, 229-54	78
1674	Signal Perception and Transduction in Plant Innate Immunity. 2006 , 95-109	1
1673	A review on macrophage responses to biomaterials. 2006 , 1, R1-9	304
1672	Ins and outs of dendritic cells. 2006 , 140, 53-72	77
1671	The Arabidopsis receptor kinase FLS2 binds flg22 and determines the specificity of flagellin perception. 2006 , 18, 465-76	537
1670	Involvement of Toll-like receptor 5 in the recognition of flagellated bacteria. 2006 , 103, 12487-92	248

1669	Platelet Toll-like receptor expression modulates lipopolysaccharide-induced thrombocytopenia and tumor necrosis factor-alpha production in vivo. 2006 , 107, 637-41	374
1668	Innate immunity mediated by TLR9 modulates pathogenicity in an animal model of multiple sclerosis. 2006 , 116, 456-64	276
1667	Tight mucosal compartmentation of the murine immune response to antigens of the enteric microbiota. 2006 , 130, 2050-9	71
1666	New genes in inflammatory bowel disease: lessons for complex diseases?. 2006 , 367, 1271-84	194
1665	Toll-like receptors 2 and 4 are differentially involved in Fas dependent apoptosis in Peyer's patch and the liver at an early stage after bile duct ligation in mice. 2006 , 55, 105-13	12
1664	Pathogen-associated gene expression profiles in rainbow trout macrophages. 2006 , 1, 416-22	11
1663	Role of Toll-like receptors in infection and immunity: clinical implications. 2006 , 66, 15-29	94
1662	Genetic analysis of host resistance: Toll-like receptor signaling and immunity at large. 2006 , 24, 353-89	649
1661	Lung epithelium as a sentinel and effector system in pneumonia--molecular mechanisms of pathogen recognition and signal transduction. 2006 , 7, 97	111
1660	The role of Toll-like receptors in immune disorders. 2006 , 6, 203-14	38
1659	Flagellin suppresses epithelial apoptosis and limits disease during enteric infection. 2006 , 169, 1686-700	102
1658	Pattern recognition receptors: an update. 2006 , 2, 569-83	6
1657	Invited review: Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. 2006 , 12, 133-150	13
1656	Diversifying selection drives the evolution of the type III secretion system pilus of <i>Pseudomonas syringae</i> . 2006 , 23, 2342-54	63
1655	Mucosal interplay among commensal and pathogenic bacteria: lessons from flagellin and Toll-like receptor 5. 2006 , 580, 2976-84	51
1654	Immune relevant genes of Japanese flounder, <i>Paralichthys olivaceus</i> . 2006 , 1, 115-21	14
1653	Pathogen recognition and innate immunity. 2006 , 124, 783-801	8282
1652	A missense mutation of the Toll-like receptor 3 gene in a patient with influenza-associated encephalopathy. 2006 , 119, 188-94	86

1651	Human corneal epithelial cells respond to ocular-pathogenic, but not to nonpathogenic-flagellin. 2006 , 347, 238-47	20
1650	Combinations of TLR and NOD2 ligands stimulate rat microglial P2X4R expression. 2006 , 349, 1156-62	34
1649	Response of toll-like receptors, lysozyme, and IGF-I in back-cross hybrid (F1 male (blue x channel) x female channel) catfish challenged with virulent <i>Edwardsiella ictaluri</i> . 2006 , 20, 29-39	30
1648	The effect of adenosine receptor agonists on cytokine release by human mononuclear cells depends on the specific Toll-like receptor subtype used for stimulation. 2006 , 35, 95-9	18
1647	Recognition and signaling by toll-like receptors. 2006 , 22, 409-37	530
1646	NADPH oxidases in the gastrointestinal tract: a potential role of Nox1 in innate immune response and carcinogenesis. 2006 , 8, 1573-82	74
1645	Within-species flagellin polymorphism in <i>Xanthomonas campestris</i> pv <i>campestris</i> and its impact on elicitation of <i>Arabidopsis</i> FLAGELLIN SENSING2-dependent defenses. 2006 , 18, 764-79	159
1644	MEKK1 is required for MPK4 activation and regulates tissue-specific and temperature-dependent cell death in <i>Arabidopsis</i> . 2006 , 281, 36969-76	224
1643	Double-stranded RNA-mediated TLR3 activation is enhanced by CD14. 2006 , 24, 153-63	206
1642	Toll-like receptor recognition regulates immunodominance in an antimicrobial CD4+ T cell response. 2006 , 25, 655-64	113
1641	Toll-like receptors keep antigen sorting on the right track. 2006 , 25, 525-7	6
1640	Toll-like receptors: applications to dermatologic disease. 2006 , 54, 951-83; quiz 983-6	78
1639	Expression of toll like receptor 4 in normal human odontoblasts and dental pulp tissue. 2006 , 32, 747-51	55
1638	Fish soluble Toll-like receptor (TLR)5 amplifies human TLR5 response via physical binding to flagellin. 2006 , 24, 2193-9	48
1637	Innate Immunity. 2006 , 1033-1066	2
1636	Dendritic Cell Epithelial Cell Interactions in Response to Intestinal Bacteria. 759-771	
1635	Lack of Toll-like receptor 4 and 2 polymorphisms in Korean patients with bacteremia. 2006 , 21, 979-82	34
1634	MyD88 and Src are differentially regulated in Kupffer cells of males and proestrus females following hypoxia. 2006 , 12, 65-73	17

1633	Microbial molecular patterns and host defense. 99-130	
1632	Tweaking Innate Immunity: the Promise of Innate Immunologicals As Anti-infectives. 2006 , 17, 307-14	10
1631	Toll-like receptors and the eye. 2006 , 47, 1255-63	59
1630	Stimulation of Antigen Presenting Cells: from Classical Adjuvants to Toll-like Receptor (TLR) Ligands. 2006 , 221-243	0
1629	Innate Immunity. 2006 ,	1
1628	. 2006 ,	8
1627	Pathogens: Innate Immune Responses. 2006 ,	
1626	Microbial Instruction of Dendritic Cells. 405-426	
1625	Lung infections. 301-326	
1624	Roles of flagella in pathogenic bacteria and bacterial-host interactions. 131-157	
1623	Phenotyping of Host-Pathogen Interactions in Mice. 201-219	
1622	Distinct roles of TLR2 and the adaptor ASC in IL-1beta/IL-18 secretion in response to Listeria monocytogenes. 2006 , 176, 4337-42	153
1621	Systemic inflammatory response syndrome (SIRS): molecular pathophysiology and gene therapy. 2006 , 101, 189-98	120
1620	Mechanism regulating cell surface expression and activation of Toll-like receptor 4. 2006 , 6, 311-9	18
1619	Immunobiology of Toll-like receptors: emerging trends. 2006 , 84, 333-41	145
1618	Rotavirus double-stranded RNA induces apoptosis and diminishes wound repair in rat intestinal epithelial cells. 2006 , 21, 521-30	27
1617	Role of TLR4 in allergic sensitization to food proteins in mice. 2006 , 61, 64-71	70
1616	Toll-like receptors and innate antiviral immunity. 2006 , 67, 267-76	12

1615	Interleukin-18 secretion and Th1-like cytokine responses in human peripheral blood mononuclear cells under the influence of the toll-like receptor-5 ligand flagellin. 2006 , 8, 289-300	34
1614	Role of Shiga toxin versus H7 flagellin in enterohaemorrhagic Escherichia coli signalling of human colon epithelium in vivo. 2006 , 8, 869-79	75
1613	Identification of glycosylation genes and glycosylated amino acids of flagellin in Pseudomonas syringae pv. tabaci. 2006 , 8, 923-38	97
1612	Bacterial flagellin inhibits T cell receptor-mediated activation of T cells by inducing suppressor of cytokine signalling-1 (SOCS-1). 2006 , 8, 1571-80	23
1611	Toll-like receptors in Borrelia burgdorferi-induced inflammation. 2006 , 12, 705-17	27
1610	Pathogenesis of enteroaggregative Escherichia coli infection. 2006 , 254, 12-8	177
1609	How to outwit the enemy: dendritic cells face Salmonella. 2006 , 114, 589-600	12
1608	Neutrophil influx during non-typhoidal salmonellosis: who is in the driver's seat?. 2006 , 46, 320-9	30
1607	Effect of toll-like receptor (TLR) agonists on TLR and microbicide expression in uterine and vaginal tissues of the mouse. 2006 , 55, 434-46	58
1606	In vivo, fliC expression by Salmonella enterica serovar Typhimurium is heterogeneous, regulated by ClpX, and anatomically restricted. 2006 , 61, 795-809	140
1605	Intestinal epithelial cell signalling and host-derived negative regulators under chronic inflammation: to be or not to be activated determines the balance towards commensal bacteria. 2006 , 18, 184-99	39
1604	Effect of oestradiol on PAMP-mediated CCL20/MIP-3 alpha production by mouse uterine epithelial cells in culture. 2006 , 118, 185-94	28
1603	Functional modulation of human intestinal epithelial cell responses by Bifidobacterium infantis and Lactobacillus salivarius. 2006 , 118, 202-15	233
1602	The Unc93b1 mutation 3d disrupts exogenous antigen presentation and signaling via Toll-like receptors 3, 7 and 9. 2006 , 7, 156-64	650
1601	Lysophospholipid sensing triggers secretion of flagellin from pathogenic salmonella. 2006 , 7, 583-9	52
1600	Cytoplasmic flagellin activates caspase-1 and secretion of interleukin 1beta via Ipaf. 2006 , 7, 569-75	891
1599	Cytosolic flagellin requires Ipaf for activation of caspase-1 and interleukin 1beta in salmonella-infected macrophages. 2006 , 7, 576-82	910
1598	Detection of pathogenic intestinal bacteria by Toll-like receptor 5 on intestinal CD11c+ lamina propria cells. 2006 , 7, 868-74	358

1597	Genetic susceptibility to infectious disease: lessons from mouse models of leishmaniasis. 2006 , 7, 294-305	118
1596	CATALYTIC RECEPTORS. 2006 , 147, S127-S133	71
1595	TLR ligands and cytokines induce CXCR3 ligands in endothelial cells: enhanced CXCL9 in autoimmune arthritis. 2006 , 86, 902-16	82
1594	TLR signaling. 2006 , 13, 816-25	1503
1593	TIR, CARD and PYRIN: three domains for an antimicrobial triad. 2006 , 13, 798-815	114
1592	Toll-like receptors mediate proliferation and survival of multiple myeloma cells. 2006 , 20, 1138-44	128
1591	Pathogen-associated molecular patterns are growth and survival factors for human myeloma cells through Toll-like receptors. 2006 , 20, 1130-7	143
1590	NF-kappaB and the immune response. 2006 , 25, 6758-80	901
1589	Toll-like receptor agonists stimulate differential functional activation and cytokine and chemokine gene expression in heterophils isolated from chickens with differential innate responses. 2006 , 8, 1866-74	88
1588	IRAK-4: A key kinase involved in toll-like receptor signaling and resistance to bacterial infection. 2006 , 173-192	1
1587	Molecular approaches to the role of the microbiota in inflammatory bowel disease. 2006 , 1072, 39-51	15
1586	PRRs in pathogen recognition. 2006 , 1, 299-313	3
1585	The transcriptome of the uterine cervix before and after spontaneous term parturition. 2006 , 195, 778-86	103
1584	Tlr5 is not primarily associated with susceptibility to Salmonella Typhimurium infection in MOLF/Ei mice. 2006 , 17, 385-97	6
1583	Current topics in human SLE genetics. 2006 , 28, 97-107	53
1582	The role of toll-like receptors in systemic lupus erythematosus. 2006 , 28, 131-43	53
1581	Activation of Salmonella-specific immune responses in the intestinal mucosa. 2006 , 54, 25-31	13
1580	Mammalian toll-like receptors: from endogenous ligands to tissue regeneration. 2006 , 63, 2901-7	101

1579	Toll-like receptors and innate immunity. 2006 , 84, 712-25	314
1578	Toll-like receptors, inflammation and cancer. 2006 , 16, 32-7	112
1577	Human monocytoid cells as a model to study Toll-like receptor-mediated activation. 2006 , 313, 1-10	21
1576	Expression and distribution of Toll-like receptors in the brain during murine neurocysticercosis. 2006 , 181, 46-56	129
1575	PAMP recognition and the plant-pathogen arms race. 2006 , 28, 880-9	90
1574	Influenza H2 haemagglutinin activates B cells via a MyD88-dependent pathway. 2006 , 36, 95-106	18
1573	Comparison of different CpG oligodeoxynucleotide classes for their capability to stimulate human NK cells. 2006 , 36, 961-7	59
1572	Stimulation of TLR9 with CpG ODN enhances apoptosis of glioma and prolongs the survival of mice with experimental brain tumors. 2006 , 54, 526-35	119
1571	Differential liver sensitization to toll-like receptor pathways in mice with alcoholic fatty liver. 2006 , 43, 989-1000	187
1570	Pattern recognition receptors: a contemporary view on liver diseases. 2006 , 44, 287-98	140
1569	Characterization and functional investigation of single nucleotide polymorphisms (SNPs) in the human TLR5 gene. 2006 , 27, 293	33
1568	Toll-like receptors in central nervous system glial inflammation and homeostasis. 2006 , 83, 711-30	284
1567	Regulation of murine dendritic cell immune responses by Helicobacter felis antigen. 2006 , 74, 4624-33	22
1566	Flagellin-independent regulation of chemokine host defense in Campylobacter jejuni-infected intestinal epithelium. 2006 , 74, 3437-47	48
1565	Innate recognition of bacteria: potential therapeutic targets for bacterial sepsis. 2006 , 2, 787-99	
1564	Flagellar activation of epithelial signaling. 2006 , 34, 548-51	48
1563	AsialoGM1 and TLR5 cooperate in flagellin-induced nucleotide signaling to activate Erk1/2. 2006 , 34, 653-60	62
1562	Marker-exchange mutagenesis and complementation strategies for the Gram-negative bacteria Xanthomonas oryzae pv. oryzae. 2007 , 354, 11-8	6

1561	Neutrophil-derived elastase induces TGF-beta1 secretion in human airway smooth muscle via NF-kappaB pathway. 2006 , 35, 407-14	72
1560	Flagellin/TLR5 responses in epithelia reveal intertwined activation of inflammatory and apoptotic pathways. 2006 , 290, G96-G108	102
1559	TLR2 and TLR4 expression during bacterial infections. 2006 , 12, 4185-93	35
1558	Innate immune response in CF airway epithelia: hyperinflammatory?. 2006 , 291, C218-30	145
1557	Negative regulators of toll-like receptor 4-mediated macrophage inflammatory response. 2006 , 12, 4143-53	27
1556	Innate immune responses of human tracheal epithelium to Pseudomonas aeruginosa flagellin, TNF-alpha, and IL-1beta. 2006 , 290, C678-90	44
1555	Tolerance to microbial TLR ligands: molecular mechanisms and relevance to disease. 2006 , 12, 133-50	163
1554	Intervention of Toll-like receptor-mediated human innate immunity and inflammation by synthetic compounds and naturally occurring products. 2006 , 13, 1389-95	18
1553	Lipoprotein is a predominant Toll-like receptor 2 ligand in Staphylococcus aureus cell wall components. 2006 , 18, 355-62	130
1552	Expression of Toll-like receptors (TLR) and responsiveness to TLR agonists by polarized mouse uterine epithelial cells in culture. 2006 , 75, 131-9	43
1551	The MogR transcriptional repressor regulates nonhierarchical expression of flagellar motility genes and virulence in Listeria monocytogenes. 2006 , 2, e30	84
1550	Toll-like receptors and corneal innate immunity. 2006 , 6, 327-37	94
1549	Flagellin-deficient Legionella mutants evade caspase-1- and Naip5-mediated macrophage immunity. 2006 , 2, e18	404
1548	Helicobacter pylori and toll-like receptor agonists induce syndecan-4 expression in an NF-kappaB-dependent manner. 2006 , 16, 221-9	32
1547	Innate immunity in the mucosal immune system. 2006 , 12, 4203-13	51
1546	Roles for accessory molecules in microbial recognition by Toll-like receptors. 2006 , 12, 195-204	115
1545	Capsule-mediated immune evasion: a new hypothesis explaining aspects of typhoid fever pathogenesis. 2006 , 74, 19-27	79
1544	'Toll' gates for future immunotherapy. 2006 , 12, 4135-42	58

1543	Therapeutic targeting of toll-like receptors in gastrointestinal inflammation. 2006 , 12, 4215-28	32
1542	<i>Borrelia burgdorferi</i> lipoprotein-mediated TLR2 stimulation causes the down-regulation of TLR5 in human monocytes. 2006 , 193, 849-59	44
1541	Invited review: Roles for accessory molecules in microbial recognition by Toll-like receptors. 2006 , 12, 195-204	16
1540	Development of a clinical assay to evaluate toll-like receptor function. 2006 , 13, 68-76	38
1539	A bacterial flagellin, <i>Vibrio vulnificus</i> FlaB, has a strong mucosal adjuvant activity to induce protective immunity. 2006 , 74, 694-702	168
1538	Cytosolic entry controls CD8+T-cell potency during bacterial infection. 2006 , 74, 6387-97	52
1537	Forensic Pathology Reviews. 2006 ,	5
1536	Epithelial toll-like receptor 5 is constitutively localized in the mouse cecum and exhibits distinctive down-regulation during experimental colitis. 2006 , 13, 132-8	48
1535	Intracellular gene expression profile of <i>Listeria monocytogenes</i> . 2006 , 74, 1323-38	288
1534	Live <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> , and <i>Neisseria meningitidis</i> activate the inflammatory response through Toll-like receptors 2, 4, and 9 in species-specific patterns. 2006 , 80, 267-77	139
1533	Toll-like receptor 2 is required for inflammatory responses to <i>Francisella tularensis</i> LVS. 2006 , 74, 2809-16	115
1532	A bifunctional O-GlcNAc transferase governs flagellar motility through anti-repression. 2006 , 20, 3283-95	90
1531	The intestinal intraepithelial lymphocytes with t cell receptor alphabeta express toll-like receptor 4 and are responsive to lipopolysaccharide. 2006 , 141, 401-7	2
1530	AsialoGM1-mediated IL-8 release by human corneal epithelial cells requires coexpression of TLR5. 2006 , 47, 4810-8	17
1529	The interaction of macrophage receptors with bacterial ligands. 2006 , 8, 1-25	82
1528	A comprehensive map of the toll-like receptor signaling network. 2006 , 2, 2006.0015	260
1527	Dual role of MyD88 in rapid clearance of relapsing fever <i>Borrelia</i> spp. 2006 , 74, 6750-60	14
1526	TLR5-mediated phosphoinositide 3-kinase activation negatively regulates flagellin-induced proinflammatory gene expression. 2006 , 176, 6194-201	75

1525	Cutting edge: enhanced pulmonary clearance of <i>Pseudomonas aeruginosa</i> by Muc1 knockout mice. 2006 , 176, 3890-4	111
1524	<i>Salmonella typhimurium</i> coordinately regulates FlhC location and reduces dendritic cell activation and antigen presentation to CD4+ T cells. 2006 , 177, 3983-93	56
1523	Vaccine Adjuvants. 2006 ,	6
1522	Dynamic imaging of dendritic cell extension into the small bowel lumen in response to epithelial cell TLR engagement. 2006 , 203, 2841-52	565
1521	Homologous recombination with linear DNA to insert antigenic protein in the flagellin: improvement of the Th1 immune response. 2006 , 50, 33-43	5
1520	The Genus <i>Salmonella</i> . 2006 , 123-158	16
1519	Toll-like Receptors. 119-127	
1518	Genetic analysis of innate immunity. 2006 , 91, 175-226	28
1517	Gingipains inactivate a cell surface ligand on <i>Porphyromonas gingivalis</i> that induces TLR2-and TLR4-independent signaling. 2006 , 50, 315-25	7
1516	Sertoli cells initiate testicular innate immune responses through TLR activation. 2006 , 177, 7122-30	94
1515	MyD88-dependent IFN-gamma production by NK cells is key for control of <i>Legionella pneumophila</i> infection. 2006 , 176, 6162-71	92
1514	Localization of TLR2 and MyD88 to <i>Chlamydia trachomatis</i> inclusions. Evidence for signaling by intracellular TLR2 during infection with an obligate intracellular pathogen. 2006 , 281, 1652-9	94
1513	Oligodeoxynucleotides differentially modulate activation of TLR7 and TLR8 by imidazoquinolines. 2006 , 177, 8164-70	76
1512	TLR activation of Langerhans cell-like dendritic cells triggers an antiviral immune response. 2006 , 177, 298-305	105
1511	TLR7/8 triggering exerts opposing effects in acute versus latent HIV infection. 2006 , 176, 2888-95	98
1510	Membrane sorting of toll-like receptor (TLR)-2/6 and TLR2/1 heterodimers at the cell surface determines heterotypic associations with CD36 and intracellular targeting. 2006 , 281, 31002-11	337
1509	Regulation of <i>Legionella</i> phagosome maturation and infection through flagellin and host Ipaf. 2006 , 281, 35217-23	366
1508	Not lipoteichoic acid but lipoproteins appear to be the dominant immunobiologically active compounds in <i>Staphylococcus aureus</i> . 2006 , 177, 3162-9	188

1507	Humoral immune response to flagellin requires T cells and activation of innate immunity. 2006 , 177, 2810-8	87
1506	Plant-Pathogen Interactions. 2006 ,	2
1505	Toll-like receptor modulation in cardiovascular disease: a target for intervention?. 2006 , 15, 857-71	12
1504	Sp1 elements regulate transcriptional activity within the murine Toll-like receptor 4 promoter. 2006 , 7, 489-99	10
1503	Trophoblast Cells as Immune Regulators. 2006 , 215-228	
1502	Human Langerhans cells express a specific TLR profile and differentially respond to viruses and Gram-positive bacteria. 2006 , 177, 7959-67	210
1501	Toll/IL-1R domain-containing adaptor protein (TIRAP) is a critical mediator of antibacterial defense in the lung against <i>Klebsiella pneumoniae</i> but not <i>Pseudomonas aeruginosa</i> . 2006 , 177, 538-47	78
1500	Nucleotide-binding oligomerization domain-1 and epidermal growth factor receptor: critical regulators of beta-defensins during <i>Helicobacter pylori</i> infection. 2006 , 281, 11637-48	134
1499	Dominant-negative TLR5 polymorphism reduces adaptive immune response to flagellin and negatively associates with Crohn's disease. 2006 , 290, G1157-63	159
1498	Cytosolic recognition of flagellin by mouse macrophages restricts <i>Legionella pneumophila</i> infection. 2006 , 203, 1093-104	403
1497	The chemotherapeutic agent DMXAA potently and specifically activates the TBK1-IRF-3 signaling axis. 2007 , 204, 1559-69	114
1496	Ligand-dependent reduction in the membrane mobility of FLAGELLIN SENSITIVE2, an arabidopsis receptor-like kinase. 2007 , 48, 1601-11	46
1495	Activation of TLR2 and TLR4 by glycosylphosphatidylinositols derived from <i>Toxoplasma gondii</i> . 2007 , 179, 1129-37	227
1494	Calcineurin negatively regulates TLR-mediated activation pathways. 2007 , 179, 4598-607	85
1493	Cutting edge: <i>Tlr5</i> ^{-/-} mice are more susceptible to <i>Escherichia coli</i> urinary tract infection. 2007 , 178, 4717-20	147
1492	Bacteria-derived peptidoglycans constitute pathogen-associated molecular patterns triggering innate immunity in <i>Arabidopsis</i> . 2007 , 282, 32338-48	226
1491	Injection of flagellin into the host cell cytosol by <i>Salmonella enterica</i> serotype Typhimurium. 2007 , 282, 33897-901	126
1490	In vivo imaging and genetic analysis link bacterial motility and symbiosis in the zebrafish gut. 2007 , 104, 7622-7	117

1489	Role of TLR4 tyrosine phosphorylation in signal transduction and endotoxin tolerance. 2007 , 282, 16042-53	148
1488	Carvacrol induces heat shock protein 60 and inhibits synthesis of flagellin in <i>Escherichia coli</i> O157:H7. 2007 , 73, 4484-90	172
1487	Expression and functionality of Toll-like receptors in the skin: potential implication in skin inflammatory diseases. 2007 , 2, 357-365	1
1486	Innate interferon response in macrophage and epithelial cells infected with wild-type compared to DNA adenine methylase and flagellin mutant <i>Salmonella enterica</i> serovar Typhimurium. 2007 , 27, 317-27	10
1485	Toll-like receptor signal transduction. 2007 , 39, 421-38	180
1484	TLRS in the gut. II. Flagellin-induced inflammation and antiapoptosis. 2007 , 292, G462-6	12
1483	Toll-like receptors, new horizons in sepsis. 2007 , 7, 522-31	6
1482	Redundant Toll-like receptor signaling in the pulmonary host response to <i>Pseudomonas aeruginosa</i> . 2007 , 292, L312-22	108
1481	Role of Toll-like receptor 9 in <i>Legionella pneumophila</i> -induced interleukin-12 p40 production in bone marrow-derived dendritic cells and macrophages from permissive and nonpermissive mice. 2007 , 75, 146-51	35
1480	Phosphoinositide 3-kinase is activated by MUC1 but not responsible for MUC1-induced suppression of Toll-like receptor 5 signaling. 2007 , 293, L686-92	29
1479	A novel linear plasmid mediates flagellar variation in <i>Salmonella Typhi</i> . 2007 , 3, e59	50
1478	Expression of the genes dual oxidase 2, lipocalin 2 and regenerating islet-derived 1 alpha in Crohn's disease. 2007 , 42, 454-63	36
1477	Activation of the innate immune system in atherosclerotic disease. 2007 , 13, 983-94	28
1476	Human oviductal epithelial cells express Toll-like receptor 3 and respond to double-stranded RNA: Fallopian tube-specific mucosal immunity against viral infection. 2007 , 22, 356-61	20
1475	Toll-like receptors impact on safety and efficacy of gene transfer vectors. 2007 , 15, 1417-22	30
1474	Sinonasal epithelial cell expression of toll-like receptor 9 is decreased in chronic rhinosinusitis with polyps. 2007 , 21, 110-6	85
1473	Serologic markers in inflammatory bowel disease: tools for better diagnosis and disease stratification. 2007 , 1, 265-74	7
1472	The role of flagellin versus motility in acute lung disease caused by <i>Pseudomonas aeruginosa</i> . 2007 , 196, 289-96	64

1471	c-Jun N-terminal kinase 1 is required for Toll-like receptor 1 gene expression in macrophages. 2007 , 75, 5027-34	17
1470	Cross talk between type III secretion and flagellar assembly systems in <i>Pseudomonas aeruginosa</i> . 2007 , 189, 3124-32	58
1469	Critical role of toll-like receptors and nucleotide oligomerisation domain in the regulation of health and disease. 2007 , 193, 323-30	107
1468	Selective use of TRAM in lipopolysaccharide (LPS) and lipoteichoic acid (LTA) induced NF-kappaB activation and cytokine production in primary human cells: TRAM is an adaptor for LPS and LTA signaling. 2007 , 178, 2148-54	36
1467	Live attenuated <i>Listeria monocytogenes</i> effectively treats hepatic colorectal cancer metastases and is strongly enhanced by depletion of regulatory T cells. 2007 , 67, 10058-66	29
1466	Altered inflammatory responses in TLR5-deficient mice infected with <i>Legionella pneumophila</i> . 2007 , 179, 6981-7	86
1465	A critical role for IRAK4 kinase activity in Toll-like receptor-mediated innate immunity. 2007 , 204, 1025-36	201
1464	Menstrual cycle-dependent changes of Toll-like receptors in endometrium. 2007 , 22, 586-93	98
1463	Toll-like receptor 2-mediated signaling requirements for <i>Francisella tularensis</i> live vaccine strain infection of murine macrophages. 2007 , 75, 4127-37	96
1462	<i>Listeria monocytogenes</i> surface proteins: from genome predictions to function. 2007 , 71, 377-97	171
1461	MyD88-dependent and MyD88-independent pathways in synergy, priming, and tolerance between TLR agonists. 2007 , 178, 1164-71	241
1460	TLR signaling mediated by MyD88 is required for a protective innate immune response by neutrophils to <i>Citrobacter rodentium</i> . 2007 , 179, 566-77	144
1459	<i>Salmonella</i> flagellin induces bystander activation of splenic dendritic cells and hinders bacterial replication in vivo. 2007 , 179, 6169-75	53
1458	<i>Salmonella</i> infections: immune and non-immune protection with vaccines. 2007 , 36, 1-13	111
1457	Characterization and investigation of single nucleotide polymorphisms and a novel TLR2 mutation in the human TLR2 gene. 2007 , 16, 1225-32	45
1456	Cross-talk between toll-like receptors 5 and 9 on activation of human immune responses. 2007 , 82, 509-18	30
1455	Pivotal advance: exposure to LPS suppresses CD4+ T cell cytokine production in <i>Salmonella</i> -infected mice and exacerbates murine typhoid. 2007 , 81, 403-11	16
1454	A conserved surface on Toll-like receptor 5 recognizes bacterial flagellin. 2007 , 204, 393-403	139

1453	Evidence of immunostimulating lipoprotein existing in the natural lipoteichoic acid fraction. 2007 , 75, 1926-32	36
1452	Salmonella-induced enteritis: molecular pathogenesis and therapeutic implications. 2007 , 9, 1-17	35
1451	Circulating dendritic cells and development of septic complications after pancreatectomy for pancreatic cancer. 2007 , 142, 1151-7; discussion 1157	4
1450	Contribution of Toll-like receptors to the innate immune response to Gram-negative and Gram-positive bacteria. 2007 , 109, 1574-83	144
1449	Macrophage glucocorticoid receptors regulate Toll-like receptor 4-mediated inflammatory responses by selective inhibition of p38 MAP kinase. 2007 , 109, 4313-9	181
1448	Molecular and cellular basis of microflora-host interactions. 2007 , 137, 756S-72S	101
1447	Th1 polarization of CD4+ T cells by Toll-like receptor 3-activated human microglia. 2007 , 66, 848-59	27
1446	Targeting the toll-system in cardiovascular sciences. 2007 , 1, 57-67	1
1445	Nod1/RICK and TLR signaling regulate chemokine and antimicrobial innate immune responses in mesothelial cells. 2007 , 179, 514-21	149
1444	Receptor mediated targeting of M-cells. 2007 , 25, 3204-9	34
1443	Adjuvant effects of plasmid-generated hairpin RNA molecules on DNA vaccination. 2007 , 25, 6992-7000	8
1442	The intestinal epithelial barrier: how to distinguish between the microbial flora and pathogens. 2007 , 19, 106-15	125
1441	Epitope-based vaccine against influenza. 2007 , 6, 939-48	69
1440	A phosphorylation site in the Toll-like receptor 5 TIR domain is required for inflammatory signalling in response to flagellin. 2007 , 352, 936-41	27
1439	Activation of NF-kappaB-dependent gene expression by Salmonella flagellins FljC and FljB. 2007 , 355, 280-5	36
1438	Opportunistic infections in lung disease: Pseudomonas infections in cystic fibrosis. 2007 , 7, 244-51	136
1437	Study of disease-relevant polymorphisms in the TLR4 and TLR9 genes: a novel method applied to the analysis of the Portuguese population. 2007 , 21, 316-20	24
1436	Immunobiology of toll-like receptors in allergic disease. 2007 , 212, 521-33	33

1435	Flagellin and lipopolysaccharide stimulate the MEK-ERK signaling pathway in chicken heterophils through differential activation of the small GTPases, Ras and Rap1. 2007 , 44, 1729-36	33
1434	TLR2 and TLR4 agonists synergistically up-regulate SR-A in RAW264.7 through p38. 2007 , 44, 2315-23	35
1433	Ligand-induced differential cross-regulation of Toll-like receptors 2, 4 and 5 in intestinal epithelial cells. 2007 , 44, 3702-14	59
1432	Lipopolysaccharide regulates toll-like receptor 4 expression in human aortic smooth muscle cells. 2007 , 31, 831-5	22
1431	MAPPIT analysis of TLR adaptor complexes. 2007 , 581, 629-36	23
1430	Expression and selective up-regulation of toxin-related mono ADP-ribosyltransferases by pathogen-associated molecular patterns in alveolar epithelial cells. 2007 , 581, 4199-204	9
1429	Innate immune recognition on the intestinal mucosa. 2007 , 297, 379-92	29
1428	Leptin-dependent toll-like receptor expression and responsiveness in preadipocytes and adipocytes. 2007 , 170, 1931-41	78
1427	Priming, induction and modulation of plant defence responses by bacterial lipopolysaccharides. 2007 , 13, 69-84	121
1426	The science of adjuvants. 2007 , 6, 673-84	87
1425	Immunological Tolerance. 2007 ,	
1424	Immunogenomic approaches to study host immunity to enteric pathogens. 2007 , 86, 1491-500	59
1423	Pathogen-associated molecular pattern contamination as putative endogenous ligands of Toll-like receptors. 2007 , 13, 6-14	84
1422	E6020: a synthetic Toll-like receptor 4 agonist as a vaccine adjuvant. 2007 , 6, 773-84	71
1421	How flagellin and toll-like receptor 5 contribute to enteric infection. 2007 , 75, 545-52	70
1420	Flagellin glycans from two pathovars of <i>Pseudomonas syringae</i> contain rhamnose in D and L configurations in different ratios and modified 4-amino-4,6-dideoxyglucose. 2007 , 189, 6945-56	41
1419	Toll-like receptors in dermatology. 2007 , 25, 531-40, viii	14
1418	The shape and dynamics of the Leptospiraceae. 2007 , 93, 54-61	28

1417	Toll-like receptors. 2007 , Chapter 14, Unit 14.12	103
1416	Structure and function of Toll receptors and their ligands. 2007 , 76, 141-65	492
1415	Lipoteichoic acid downregulates FcepsilonRI expression on human mast cells through Toll-like receptor 2. 2007 , 120, 452-61	65
1414	Hyaluronan in tissue injury and repair. 2007 , 23, 435-61	623
1413	The Biology of Toll-Like Receptors in Mice. 2007 , 109-117	
1412	Some Biological Features of Dendritic Cells in the Mouse. 2007 , 135-154	
1411	[Innate immunity: structure and function of TLRs]. 2007 , 23, 67-73	70
1410	Bacterial pathogenesis and mediators in apical periodontitis. 2007 , 18, 267-80	99
1409	Enterobacteriaceae <i>Pseudomonas aeruginosa</i> and <i>Streptobacillus moniliformis</i> . 2007 , 365-387	2
1408	ST2 is essential for Th2 responsiveness and resistance to <i>pseudomonas aeruginosa</i> keratitis. 2007 , 48, 4626-33	47
1407	Immunopathogenesis of inflammatory bowel disease. 2008 , 14, 390-400	119
1406	Susceptibility to infectious diseases. 277-301	
1405	Insights into Structure and Evolution of Bacterial Species That are Revealed by Molecular Methods. 475-494	3
1404	Extra- and intracellular innate immune recognition in endothelial cells. 2007 , 98, 319-326	37
1403	Toll like receptors and inflammatory factors in sepsis and differential expression related to age. 2007 , 120, 56-61	3
1402	Genetics of the innate immune response in inflammatory bowel disease. 2007 , 13, 338-55	56
1401	Anti-flagellin (CBir1) phenotypic and genetic Crohn's disease associations. 2007 , 13, 524-30	84
1400	Toll-like receptors in the interface membrane around loosening total hip replacement implants. 2007 , 81, 1017-26	57

1399	Identification of a novel negative role of flagellin in regulating IL-10 production. 2007 , 37, 3164-75	23
1398	Critical role for Ipaf in Pseudomonas aeruginosa-induced caspase-1 activation. 2007 , 37, 3030-9	219
1397	Increased toll-like receptor 9 expression in cervical neoplasia. 2007 , 46, 941-7	67
1396	Hyperthermia differentially regulates TLR4 and TLR2-mediated innate immune response. 2007 , 108, 137-42	34
1395	Listeria as a vaccine vector. 2007 , 9, 1226-35	46
1394	Pseudomonas aeruginosa infections are prevented in cystic fibrosis patients by avian antibodies binding Pseudomonas aeruginosa flagellin. 2007 , 856, 75-80	25
1393	Epithelia: lymphocyte interactions in the gut. 2007 , 215, 243-53	96
1392	Pathogen subversion of cell-intrinsic innate immunity. 2007 , 8, 1179-87	140
1391	Activation of the NALP3 inflammasome is triggered by low intracellular potassium concentration. 2007 , 14, 1583-9	1041
1390	Toll-like receptors, RIG-I-like RNA helicases and the antiviral innate immune response. 2007 , 85, 435-45	186
1389	Human keratinocytes express functional Toll-like receptor 3, 4, 5, and 9. 2007 , 127, 331-41	325
1388	Catalytic Receptors. 2007 , 150, S122-S127	2
1387	Quantitative messenger RNA expression of Toll-like receptors and interferon-alpha1 in gingivitis and periodontitis. 2007 , 22, 398-402	51
1386	How important are Toll-like receptors for antimicrobial responses?. 2007 , 9, 1891-901	120
1385	Intracellular NOD-like receptors in innate immunity, infection and disease. 2008 , 10, 1-8	165
1384	Impact of class A, B and C CpG-oligodeoxynucleotides on in vitro activation of innate immune cells in human immunodeficiency virus-1 infected individuals. 2007 , 120, 526-35	46
1383	Triacylated lipoproteins derived from Mycoplasma pneumoniae activate nuclear factor-kappaB through toll-like receptors 1 and 2. 2007 , 121, 473-83	84
1382	Role of the innate immune system in host defence against bacterial infections: focus on the Toll-like receptors. 2007 , 261, 511-28	121

1381	Genetic mechanisms involved in the repression of flagellar assembly by <i>Pseudomonas aeruginosa</i> in human mucus. 2007 , 63, 1026-38	28
1380	A linear plasmid truncation induces unidirectional flagellar phase change in H:z66 positive <i>Salmonella Typhi</i> . 2007 , 66, 1207-18	21
1379	Toll-like receptors: key activators of leucocytes and regulator of haematopoiesis. 2007 , 139, 185-93	82
1378	Translational mini-review series on Toll-like receptors: networks regulated by Toll-like receptors mediate innate and adaptive immunity. 2007 , 147, 199-207	129
1377	Time-course of Toll-like receptor 2 expression, as a predictor of recurrence in patients with bacterial infectious diseases. 2007 , 148, 260-70	16
1376	Collaboration between the innate immune receptors dectin-1, TLRs, and Nods. 2007 , 219, 75-87	132
1375	Methods for selecting fixed-effect models for heterogeneous codon evolution, with comments on their application to gene and genome data. 2007 , 7 Suppl 1, S5	10
1374	Outer membrane protein A of <i>Acinetobacter baumannii</i> induces differentiation of CD4+ T cells toward a Th1 polarizing phenotype through the activation of dendritic cells. 2007 , 74, 86-97	47
1373	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
1372	Comparison of the in vitro pathogenicity of two <i>Salmonella Typhimurium</i> phage types. 2007 , 30, 11-8	2
1371	Toll-like receptor 4 in atherosclerosis. 2007 , 11, 88-95	108
1370	TLR5 and Ipaf: dual sensors of bacterial flagellin in the innate immune system. 2007 , 29, 275-88	216
1369	Toll or toll-free adjuvant path toward the optimal vaccine development. 2007 , 27, 363-71	128
1368	Differential expression of toll-like receptor 3 and 5 in ileal pouch mucosa of ulcerative colitis patients. 2007 , 22, 293-301	27
1367	Genetic analysis of host responses in sepsis. 2007 , 3, 419-26	
1366	Innate and adaptive immune responses to <i>Listeria monocytogenes</i> : a short overview. 2007 , 9, 1208-15	144
1365	15-deoxy-Delta(12,14)-prostaglandin J(2) and curcumin modulate the expression of toll-like receptors 4 and 9 in autoimmune T lymphocyte. 2008 , 28, 558-70	46
1364	Opiate abuse, innate immunity, and bacterial infectious diseases. 2008 , 56, 299-309	54

1363	Toll-like receptors expressed in tumor cells: targets for therapy. 2008 , 57, 1271-8	104
1362	Toll like receptor-5: protecting the gut from enteric microbes. 2008 , 30, 11-21	51
1361	NOX enzymes and Toll-like receptor signaling. 2008 , 30, 291-300	79
1360	Nox enzymes and oxidative stress in the immunopathology of the gastrointestinal tract. 2008 , 30, 315-27	69
1359	Pathogen recognition by innate receptors. 2008 , 14, 86-92	160
1358	The effect of different Burkholderia pseudomallei isolates of varying levels of virulence on toll-like-receptor expression. 2008 , 102 Suppl 1, S82-8	11
1357	Airway epithelial cell signaling in response to bacterial pathogens. 2008 , 43, 11-9	53
1356	Novel NOD2 haplotype strengthens the association between TLR4 Asp299gly and Crohn's disease in an Australian population. 2008 , 14, 585-90	28
1355	Crohn's disease-associated Escherichia coli LF82 aggravates colitis in injured mouse colon via signaling by flagellin. 2008 , 14, 1051-60	84
1354	Evasion of macrophage scavenger receptor A-mediated recognition by pathogenic streptococci. 2008 , 38, 3068-79	37
1353	The orchestra of Toll-like receptors and their potential role in frequently occurring rheumatic conditions. 2008 , 58, 338-48	36
1352	Expression of Toll/IL-1R domain-containing adaptor protein (TIRAP) is detrimental to primary clearance of Salmonella and is not required for the generation of protective immunity. 2008 , 116, 64-71	9
1351	Toll-like receptors and their role in host resistance to Toxoplasma gondii. 2008 , 119, 17-21	42
1350	Mucosal macrophages and the regulation of immune responses in the intestine. 2008 , 119, 22-31	86
1349	Campylobacter jejuni-mediated disease pathogenesis: an update. 2008 , 102, 123-9	107
1348	Subinhibitory concentrations of tetracycline affect virulence gene expression in a multi-resistant Salmonella enterica subsp. enterica serovar Typhimurium DT104. 2008 , 10, 901-7	25
1347	Salmonella typhi: from a human pathogen to a vaccine vector. 2008 , 5, 91-7	49
1346	Determination of T-cell fate by dendritic cells. 2008 , 86, 389-97	72

1345	TLR signaling by tumor and immune cells: a double-edged sword. 2008 , 27, 218-24	280
1344	Catalytic Receptors. 2008 , 153, S146-S154	78
1343	Proteolytic cleavage in an endolysosomal compartment is required for activation of Toll-like receptor 9. 2008 , 9, 1407-14	382
1342	TRAM couples endocytosis of Toll-like receptor 4 to the induction of interferon-beta. 2008 , 9, 361-8	930
1341	Toll-like receptors--taking an evolutionary approach. 2008 , 9, 165-78	380
1340	Plasmacytoid dendritic cells: sensing nucleic acids in viral infection and autoimmune diseases. 2008 , 8, 594-606	913
1339	From bench to bedside: stealth of enteroinvasive pathogens. 2008 , 6, 883-92	111
1338	Increased expression of Toll-like receptor 5 during progression of cervical neoplasia. 2008 , 18, 300-5	70
1337	The Vi-capsule prevents Toll-like receptor 4 recognition of Salmonella. 2008 , 10, 876-90	107
1336	During infection of epithelial cells Salmonella enterica serovar Typhimurium undergoes a time-dependent transcriptional adaptation that results in simultaneous expression of three type 3 secretion systems. 2008 , 10, 958-84	191
1335	Differential utilization of nuclear factor-kappaB signaling pathways for gingival epithelial cell responses to oral commensal and pathogenic bacteria. 2008 , 23, 119-26	34
1334	Expression of a bacterial flagellin gene triggers plant immune responses and confers disease resistance in transgenic rice plants. 2008 , 9, 525-9	44
1333	Decreased serum lipocalin-2 levels in human immunodeficiency virus-infected patients: increase during highly active anti-retroviral therapy. 2008 , 152, 57-63	34
1332	Current concepts of molecular defence mechanisms operative during urinary tract infection. 2008 , 38 Suppl 2, 29-38	93
1331	Translating innate response into long-lasting antibody response by the intrinsic antigen-adjuvant properties of papaya mosaic virus. 2008 , 124, 186-97	31
1330	The role of T-regulatory cells and Toll-like receptors in the pathogenesis of human inflammatory bowel disease. 2008 , 125, 145-53	112
1329	Characterization of the innate immune signalling pathways in hepatocyte cell lines. 2008 , 15, 888-900	60
1328	TNF-alpha induction by Pseudomonas aeruginosa lipopolysaccharide or slime-glycolipoprotein in human monocytes is regulated at the level of Mitogen-activated Protein Kinase activity: a distinct role of Toll-like receptor 2 and 4. 2008 , 67, 193-203	12

1327	TAK-242 selectively suppresses Toll-like receptor 4-signaling mediated by the intracellular domain. 2008 , 584, 40-8	209
1326	Toll-like receptors in female reproductive tract and their menstrual cycle dependent expression. 2008 , 77, 7-13	66
1325	Mucosal adjuvant activity of flagellin in aged mice. 2008 , 129, 271-81	46
1324	Pathogen-Associated Molecular Patterns (PAMP) and PAMP-Triggered Immunity. 16-47	3
1323	Clinical investigations of Toll-like receptor agonists. 2008 , 17, 1051-65	65
1322	New insights into the roles of dendritic cells in intestinal immunity and tolerance. 2009 , 272, 33-105	13
1321	Toll-like receptors: their roles in bacterial recognition and respiratory infections. 2008 , 6, 479-95	18
1320	Dysregulation of innate immune receptors on neutrophils in chronic granulomatous disease. 2008 , 121, 375-382.e9	64
1319	Innate microbial sensors and their relevance to allergy. 2008 , 122, 846-58; quiz 858-60	13
1318	Toll-like receptors as therapeutic targets in cystic fibrosis. 2008 , 12, 1481-95	24
1317	Ureaplasma parvum lipoproteins, including MB antigen, activate NF- κ B through TLR1, TLR2 and TLR6. 2008 , 154, 1318-1325	79
1316	New insights into determinants of Listeria monocytogenes virulence. 2008 , 270, 1-38	49
1315	Pseudomonas syringae Pathovars and Related Pathogens Identification, Epidemiology and Genomics. 2008 ,	5
1314	Cell signalling in macrophages, the principal innate immune effector cells of rheumatoid arthritis. 2008 , 10, 216	35
1313	A vicious cycle involving release of heat shock protein 60 from injured cells and activation of toll-like receptor 4 mediates neurodegeneration in the CNS. 2008 , 28, 2320-31	229
1312	Innate Immunity of Plants, Animals, and Humans. 2008 ,	1
1311	Innate immunity. 2008 , 39-51	4
1310	Genomic island 2 of Brucella melitensis is a major virulence determinant: functional analyses of genomic islands. 2008 , 190, 6243-52	29

1309	Toll-Like Receptors (TLRs) and Innate Immunity. 2008 ,	7
1308	The forward genetic dissection of afferent innate immunity. 2008 , 321, 3-26	19
1307	Toll-like receptor modulation: a novel therapeutic strategy in cardiovascular disease?. 2008 , 12, 1329-46	19
1306	IL-1beta expression in Int407 is induced by flagellin of <i>Vibrio cholerae</i> through TLR5 mediated pathway. 2008 , 44, 524-36	19
1305	A Toll receptor from <i>Manduca sexta</i> is in response to <i>Escherichia coli</i> infection. 2008 , 45, 543-52	31
1304	Functional characterization of chicken TLR5 reveals species-specific recognition of flagellin. 2008 , 45, 1298-307	98
1303	Les marqueurs sérologiques des maladies inflammatoires chroniques intestinales (MICI). 2008 , 23, 202-211	1
1302	Basic science of the innate immune system and the lung. 2008 , 9, 236-42	22
1301	The PorB porin from commensal <i>Neisseria lactamica</i> induces Th1 and Th2 immune responses to ovalbumin in mice and is a potential immune adjuvant. 2008 , 26, 786-96	40
1300	Do <i>Salmonella</i> carry spare tyres?. 2008 , 16, 142-8	31
1299	Recent progress in understanding the phenotype and function of intestinal dendritic cells and macrophages. 2008 , 1, 460-9	101
1298	Antiviral responses of human Fallopian tube epithelial cells to toll-like receptor 3 agonist poly(I:C). 2008 , 89, 1497-506	30
1297	Toll-like receptor 4 and cytokine expression involved in functional immune response in an originally established porcine intestinal epitheliocyte cell line. 2008 , 1780, 134-44	102
1296	Differences in mortality, growth, lysozyme, and toll-like receptor gene expression among genetic groups of catfish exposed to virulent <i>Edwardsiella ictaluri</i> . 2008 , 24, 82-9	34
1295	Identification and analysis of Toll-related genes in the domesticated silkworm, <i>Bombyx mori</i> . 2008 , 32, 464-75	68
1294	Toll-like receptors: a family of innate sensors of danger that alert and drive immunity. 2008 , 36, 347-57	16
1293	Inhibition of airway allergic disease by co-administration of flagellin with allergen. 2008 , 28, 157-65	27
1292	Both preoperative perinuclear antineutrophil cytoplasmic antibody and anti-CBir1 expression in ulcerative colitis patients influence pouchitis development after ileal pouch-anal anastomosis. 2008 , 6, 561-8	110

1291	Expression of genes in normal human monocytes in response to <i>Aspergillus fumigatus</i> . 2008 , 46, 327-36	14
1290	Crystal structure of a novel bacterial cell-surface flagellin binding to a polysaccharide. 2008 , 47, 1393-402	21
1289	Deletion of flagellin's hypervariable region abrogates antibody-mediated neutralization and systemic activation of TLR5-dependent immunity. 2008 , 181, 2036-43	88
1288	ATP is released by monocytes stimulated with pathogen-sensing receptor ligands and induces IL-1beta and IL-18 secretion in an autocrine way. 2008 , 105, 8067-72	364
1287	Production and sequence validation of a complete full length ORF collection for the pathogenic bacterium <i>Vibrio cholerae</i> . 2008 , 105, 4364-9	30
1286	The scaffold MyD88 acts to couple protein kinase Cepsilon to Toll-like receptors. 2008 , 283, 18591-600	43
1285	A triacylated lipoprotein from <i>Mycoplasma genitalium</i> activates NF-kappaB through Toll-like receptor 1 (TLR1) and TLR2. 2008 , 76, 3672-8	59
1284	Direct identification of the <i>Meloidogyne incognita</i> secretome reveals proteins with host cell reprogramming potential. 2008 , 4, e1000192	181
1283	Signalling of toll-like receptors. 2008 , 21-50	104
1282	Toll-Like receptors (TLRs) and their ligands. 2008 , 1-20	122
1281	Live <i>Lactobacillus rhamnosus</i> and <i>Streptococcus pyogenes</i> differentially regulate Toll-like receptor (TLR) gene expression in human primary macrophages. 2008 , 84, 1092-100	52
1280	Alan Aderem: from molecules to megabytes. 2008 , 205, 4-5	
1279	Toll like receptor - potential drug targets in infectious disease. 2008 , 8, 221-31	4
1278	PAMP-triggered immunity: Early events in the activation of FLAGELLIN SENSITIVE2. 2008 , 3, 423-6	17
1277	Polyphenols from red wine modulate immune responsiveness: biological and clinical significance. 2008 , 14, 2733-48	39
1276	The flagellar sigma factor <i>fliA</i> is required for <i>Dickeya dadantii</i> virulence. 2008 , 21, 1431-42	37
1275	Flagellin treatment protects against chemicals, bacteria, viruses, and radiation. 2008 , 180, 8280-5	154
1274	Amino acid sequence of bacterial microbe-associated molecular pattern <i>flg22</i> is required for virulence. 2008 , 21, 1165-74	61

1273	Immune recognition of <i>Streptococcus pyogenes</i> by dendritic cells. 2008 , 76, 2785-92	54
1272	<i>Pseudomonas aeruginosa</i> activates caspase 1 through Ipaf. 2008 , 105, 2562-7	242
1271	In vivo interstitial migration of primitive macrophages mediated by JNK-matrix metalloproteinase 13 signaling in response to acute injury. 2008 , 181, 2155-64	77
1270	Human lymphatic endothelial cells express multiple functional TLRs. 2008 , 180, 3399-405	89
1269	Tyrosine phosphorylation of MyD88 adapter-like (Mal) is critical for signal transduction and blocked in endotoxin tolerance. 2008 , 283, 3109-3119	59
1268	Both radioresistant and hemopoietic cells promote innate and adaptive immune responses to flagellin. 2008 , 180, 7184-92	42
1267	TLR4-mediated activation of dendritic cells by the heat shock protein DnaK from <i>Francisella tularensis</i> . 2008 , 84, 1434-46	41
1266	Mast cell-dependent anorexia and hypothermia induced by mucosal activation of Toll-like receptor 7. 2008 , 295, R123-32	27
1265	Pan-vertebrate toll-like receptors during evolution. 2008 , 9, 488-93	58
1264	Flagellin-stimulated Cl ⁻ secretion and innate immune responses in airway epithelia: role for p38. 2008 , 295, L531-42	24
1263	A simple screen to identify promoters conferring high levels of phenotypic noise. 2008 , 4, e1000307	65
1262	The landscape of human proteins interacting with viruses and other pathogens. 2008 , 4, e32	245
1261	Flagellin is the principal inducer of the antimicrobial peptide S100A7c (psoriasin) in human epidermal keratinocytes exposed to <i>Escherichia coli</i> . 2008 , 22, 2168-76	67
1260	<i>Salmonella</i> virulence factor SpiC is involved in expression of flagellin protein and mediates activation of the signal transduction pathways in macrophages. 2008 , 154, 3491-3502	17
1259	<i>Mycoplasma pneumoniae</i> -derived lipopeptides induce acute inflammatory responses in the lungs of mice. 2008 , 76, 270-7	46
1258	Toll-like receptors: insights into their possible role in the pathogenesis of lyme neuroborreliosis. 2008 , 76, 4385-95	62
1257	Innate and adaptive immunity in the human female reproductive tract: influence of the menstrual cycle and menopause on the mucosal immune system in the uterus. 2008 , 493-523	1
1256	Effects of flagellin on the functions of follicle-associated epithelium. 2008 , 198, 907-10	18

1255	Decreased potency of the <i>Vibrio cholerae</i> sheathed flagellum to trigger host innate immunity. 2008 , 76, 1282-8	35
1254	Engineered expression of the TLR5 ligand flagellin enhances paramyxovirus activation of human dendritic cell function. 2008 , 82, 10975-85	18
1253	Dependency of caspase-1 activation induced in macrophages by <i>Listeria monocytogenes</i> on cytolysin, listeriolysin O, after evasion from phagosome into the cytoplasm. 2008 , 180, 7859-68	49
1252	<i>Vibrio cholerae</i> flagellins induce Toll-like receptor 5-mediated interleukin-8 production through mitogen-activated protein kinase and NF-kappaB activation. 2008 , 76, 5524-34	47
1251	Alan Aderem: from molecules to megabytes. Interviewed by Nicole LeBrasseur. 2008 , 180, 252-3	
1250	Distinct roles for MyD88 and Toll-like receptors 2, 5, and 9 in phagocytosis of <i>Borrelia burgdorferi</i> and cytokine induction. 2008 , 76, 2341-51	74
1249	Expression patterns and functions of toll-like receptors in mouse sertoli cells. 2008 , 149, 4402-12	79
1248	Effects of small intestinal ischemia and reperfusion on expression of tumor necrosis factor-alpha and interleukin-6 messenger RNAs in the jejunum, liver, and lungs of dogs. 2008 , 69, 512-8	12
1247	Using innate immunity to characterize the host response to microbial invasion in severe sepsis. 2008 , 3, 177-89	5
1246	Immunology, Phenotype First: How Mutations Have Established New Principles and Pathways in Immunology. 2008 ,	1
1245	Flagella and Pili of <i>Pseudomonas aeruginosa</i> . 85-108	3
1244	Human conjunctival epithelial cells express functional Toll-like receptor 5. 2008 , 92, 411-6	21
1243	Human cathelicidin CAP18/LL-37 changes mast cell function toward innate immunity. 2008 , 31, 212-6	50
1242	Bacterial Interactions with the Airway Epithelium. 253-273	1
1241	Genetic susceptibility to autoimmune disorders: clues from gene association and gene expression studies. 2008 , 8, 551-61	23
1240	Pulmonary defense mechanisms against pneumonia and sepsis. 2008 , 14, 260-5	25
1239	Pathogenic agents in inflammatory bowel diseases. 2008 , 24, 440-7	37
1238	Toll-Like Receptor System in the Human Endometrium. 2008 , 4, 168-175	1

1237	. 2008,	10
1236	Development of Radiation Countermeasures. 2008, 1	
1235	Molecular markers of susceptibility to ocular toxoplasmosis, host and guest behaving badly. 2008, 2, 837-48	18
1234	Toll-like Receptor Responses in Neonatal Dendritic Cells. 2008, 106-134	
1233	Microbial patterns signaling via Toll-like receptors 2 and 5 contribute to epithelial repair, growth and survival. 2008, 3, e1393	71
1232	Novel mutations in the toll like receptor genes cause hyporesponsiveness to Mycobacterium avium subsp. paratuberculosis infection. 2008,	
1231	. 2008,	4
1230	Differential constitutive and cytokine-modulated expression of human Toll-like receptors in primary neutrophils, monocytes, and macrophages. 2008, 5, 1-8	107
1229	No longer an innocent bystander: epithelial toll-like receptor signaling in the development of mucosal inflammation. 2008, 14, 645-59	129
1228	Interaction of Escherichia coli O157:H7 with leafy green produce. 2009, 72, 1531-7	84
1227	Role of Toll-like receptors, NOD-like receptors and RIG-I-like receptors in endothelial cells and systemic infections. 2009, 102, 1103-9	79
1226	A genome-wide survey for host response of silkworm, Bombyx mori during pathogen Bacillus bombyseptieus infection. 2009, 4, e8098	90
1225	The heterogeneous allelic repertoire of human toll-like receptor (TLR) genes. 2009, 4, e7803	36
1224	Microglial activation by Citrobacter koseri is mediated by TLR4- and MyD88-dependent pathways. 2009, 183, 5537-47	31
1223	Potential adjuvant properties of innate immune stimuli. 2009, 5, 381-94	62
1222	Superantigen- and TLR-dependent activation of tonsillar B cells after receptor-mediated endocytosis. 2009, 182, 4713-20	25
1221	Direct stimulation of tlr5+/+ CD11c+ cells is necessary for the adjuvant activity of flagellin. 2009, 182, 7539-47	64
1220	Protein kinase D1 is essential for MyD88-dependent TLR signaling pathway. 2009, 182, 6316-27	43

1219	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
1218	Interleukin-1 receptor-associated kinase 2 is critical for lipopolysaccharide-mediated post-transcriptional control. 2009 , 284, 10367-75	69
1217	Laboratory tests for patients with ileal pouch-anal anastomosis: clinical utility in predicting, diagnosing, and monitoring pouch disorders. 2009 , 104, 2606-15	14
1216	Use of toll-like receptor assays to detect and identify microbial contaminants in biological products. 2009 , 47, 3427-34	44
1215	Inflammasomes: too big to miss. 2009 , 119, 3502-11	268
1214	Mycobacterium avium subsp. paratuberculosis fibronectin attachment protein activates dendritic cells and induces a Th1 polarization. 2009 , 77, 2979-88	33
1213	TLR triggering on tolerogenic dendritic cells results in TLR2 up-regulation and a reduced proinflammatory immune program. 2009 , 183, 2984-94	81
1212	Contribution of flagellin pattern recognition to intestinal inflammation during Salmonella enterica serotype typhimurium infection. 2009 , 77, 1904-16	76
1211	Signaling through Toll-like receptors induces murine gammaherpesvirus 68 reactivation in vivo. 2009 , 83, 1474-82	42
1210	Lipotoxin F of Pseudomonas aeruginosa is an AlgU-dependent and alginate-independent outer membrane protein involved in resistance to oxidative stress and adhesion to A549 human lung epithelia. 2009 , 155, 1028-1038	28
1209	Involvement of TLR2 and TLR4 in inflammatory immune responses induced by fine and coarse ambient air particulate matter. 2009 , 86, 303-12	144
1208	Endotoxin tolerance dysregulates MyD88- and Toll/IL-1R domain-containing adapter inducing IFN-beta-dependent pathways and increases expression of negative regulators of TLR signaling. 2009 , 86, 863-75	102
1207	Pseudomonas aeruginosa virulence and therapy: evolving translational strategies. 2009 , 37, 1777-86	126
1206	Structure-function relationship of the human antimicrobial peptide LL-37 and LL-37 fragments in the modulation of TLR responses. 2009 , 390, 295-303	53
1205	It's all in the family: multiple Toll-like receptors offer promise as novel therapeutic targets for stroke neuroprotection. 2009 , 4, 201-208	10
1204	Toll-like receptors and their role in hematologic malignancies. 2009 , 9, 324-35	24
1203	Innate immune sensing of modified vaccinia virus Ankara (MVA) is mediated by TLR2-TLR6, MDA-5 and the NALP3 inflammasome. 2009 , 5, e1000480	250
1202	Suppression of cell-mediated immunity following recognition of phagosome-confined bacteria. 2009 , 5, e1000568	28

1201	<i>Pseudomonas aeruginosa</i> Inhibition of Flagellin-activated NF-kappaB and interleukin-8 by human airway epithelial cells. 2009 , 77, 2857-65	12
1200	<i>Vibrio cholerae</i> proteome-wide screen for immunostimulatory proteins identifies phosphatidylserine decarboxylase as a novel Toll-like receptor 4 agonist. 2009 , 5, e1000556	18
1199	Identification and characterization of oligonucleotides that inhibit Toll-like receptor 2-associated immune responses. 2009 , 23, 3078-88	47
1198	Toll-like receptors in multiple sclerosis. 2009 , 336, 155-68	31
1197	The role of Toll-like receptor pathways in the mechanism of type 1 diabetes. 2009 , 9, 52-68	62
1196	A history of recurrent positive selection at the toll-like receptor 5 in primates. 2009 , 26, 937-49	77
1195	Activation of human monocytes by live <i>Borrelia burgdorferi</i> generates TLR2-dependent and -independent responses which include induction of IFN-beta. 2009 , 5, e1000444	111
1194	Flagellin-F1-V fusion protein is an effective plague vaccine in mice and two species of nonhuman primates. 2009 , 16, 21-8	101
1193	Live <i>Borrelia burgdorferi</i> spirochetes elicit inflammatory mediators from human monocytes via the Toll-like receptor signaling pathway. 2009 , 77, 1238-45	49
1192	Toll-like receptor 5-dependent regulation of inflammation in systemic <i>Salmonella enterica</i> Serovar typhimurium infection. 2009 , 77, 4121-9	27
1191	Early-life programming of later-life brain and behavior: a critical role for the immune system. 2009 , 3, 14	422
1190	<i>Paracoccidioides brasiliensis</i> vaccine formulations based on the gp43-derived P10 sequence and the <i>Salmonella enterica</i> FliC flagellin. 2009 , 77, 1700-7	38
1189	Recognition of AT-rich DNA binding sites by the MogR repressor. 2009 , 17, 769-77	24
1188	The inhibitory receptor LILRB4 (ILT3) modulates antigen presenting cell phenotype and, along with LILRB2 (ILT4), is upregulated in response to <i>Salmonella</i> infection. 2009 , 10, 56	45
1187	Involvement of SPI-2-encoded SpiC in flagellum synthesis in <i>Salmonella enterica</i> serovar Typhimurium. 2009 , 9, 179	5
1186	Reorganisation of the caecal extracellular matrix upon <i>Salmonella</i> infection--relation between bacterial invasiveness and expression of virulence genes. 2009 , 133, 123-37	9
1185	Role of flagellin in Crohn's disease: emblematic of the progress and enigmas in understanding inflammatory bowel disease. 2009 , 15, 789-95	18
1184	Age of diagnosis influences serologic responses in children with Crohn's disease: a possible clue to etiology?. 2009 , 15, 714-9	64

1183	Induction of adaptive immunity by flagellin does not require robust activation of innate immunity. 2009 , 39, 359-71	54
1182	Radioresistant cells expressing TLR5 control the respiratory epithelium's innate immune responses to flagellin. 2009 , 39, 1587-96	36
1181	Pathogenesis and clinical manifestations of chronic colonization by <i>Pseudomonas aeruginosa</i> and its biofilms in the airway tract. 2009 , 15, 125-42	25
1180	Immune responses of TLR5(+) lamina propria dendritic cells in enterobacterial infection. 2009 , 44, 803-11	67
1179	Increased expression of Toll-like receptors 4 and 9 in human lung cancer. 2009 , 36, 1475-81	69
1178	Novel mutations in TLR genes cause hyporesponsiveness to <i>Mycobacterium avium</i> subsp. paratuberculosis infection. 2009 , 10, 21	37
1177	Translational mini-review series on immunology of vascular disease: inflammation, infections and Toll-like receptors in cardiovascular disease. 2009 , 156, 386-94	33
1176	Translational Mini-Review Series on Vaccines for HIV: Harnessing innate immunity for HIV vaccine development. 2009 , 157, 174-80	10
1175	Transcriptional and post-transcriptional regulation of the GmaR antirepressor governs temperature-dependent control of flagellar motility in <i>Listeria monocytogenes</i> . 2009 , 74, 421-35	35
1174	Enterotoxigenic <i>Escherichia coli</i> EtpA mediates adhesion between flagella and host cells. <i>Nature</i> , 2009 , 457, 594-8	50.4 147
1173	Adenovirus-mediated gene transfer of pathogen-associated molecular patterns for cancer immunotherapy. 2009 , 16, 310-9	11
1172	Toll-like receptor 2 on inflammatory monocytes induces type I interferon in response to viral but not bacterial ligands. 2009 , 10, 1200-7	319
1171	Purification of recombinant high molecular weight two-partner secretion proteins from <i>Escherichia coli</i> . 2009 , 4, 1083-92	13
1170	Systems biology of innate immunity. 2009 , 227, 264-82	118
1169	Regulatory molecules required for nucleotide-sensing Toll-like receptors. 2009 , 227, 32-43	71
1168	Toll-like receptors, inflammation and tumor in the human female reproductive tract. 2009 , 62, 1-8	13
1167	Global transcriptional response of <i>Salmonella enterica</i> serovar Typhi to anti-z66 antiserum. 2009 , 298, 51-5	13
1166	Innate recognition of intracellular pathogens: detection and activation of the first line of defense. 2009 , 117, 323-37	65

1165	Toll-like receptors 2 and 5 in human gingival epithelial cells co-operate with T-cell cytokine interleukin-17. 2009 , 24, 38-42	49
1164	The ex vivo response of human intestinal mucosa to enteropathogenic Escherichia coli infection. 2009 , 11, 521-30	49
1163	Listeria monocytogenes infection in the face of innate immunity. 2009 , 11, 703-9	65
1162	Analysis of binding site for the novel small-molecule TLR4 signal transduction inhibitor TAK-242 and its therapeutic effect on mouse sepsis model. 2009 , 157, 1250-62	161
1161	CATALYTIC RECEPTORS. 2009 , 158, S169-S181	0
1160	Activation of dendritic cells by toll-like receptors and C-type lectins. 2009 , 3-30	56
1159	A renaissance of elicitors: perception of microbe-associated molecular patterns and danger signals by pattern-recognition receptors. 2009 , 60, 379-406	2170
1158	Toll-like receptors and their role in carcinogenesis and anti-tumor treatment. 2009 , 14, 248-72	48
1157	Ability of supragingival plaque to induce toll-like receptor 4-mediated stimulation is associated with cytokine production by peripheral blood mononuclear cells. 2009 , 80, 512-20	11
1156	Porcine Toll-like receptors: the front line of pathogen monitoring and possible implications for disease resistance. 2009 , 33, 353-61	72
1155	Innate immune response in rainbow trout (<i>Oncorhynchus mykiss</i>) against primary and secondary infections with <i>Yersinia ruckeri</i> O1. 2009 , 33, 35-45	113
1154	Therapy with anti-flagellin A monoclonal antibody limits <i>Pseudomonas aeruginosa</i> invasiveness in a mouse burn wound sepsis model. 2009 , 35, 390-6	24
1153	Down syndrome candidate region-1 protein interacts with Tollip and positively modulates interleukin-1 receptor-mediated signaling. 2009 , 1790, 1673-80	15
1152	Plant systems for recognition of pathogen-associated molecular patterns. 2009 , 20, 1025-31	79
1151	Innate immune sensing and activation of cell surface Toll-like receptors. 2009 , 21, 175-84	43
1150	Modulation of adaptive immunity with Toll-like receptors. 2009 , 21, 185-93	201
1149	A universal epitope-based influenza vaccine and its efficacy against H5N1. 2009 , 27, 2099-107	74
1148	Vaccination with EtpA glycoprotein or flagellin protects against colonization with enterotoxigenic <i>Escherichia coli</i> in a murine model. 2009 , 27, 4601-8	50

1147	Immunoadjuvant capacity of flagellin and mannosamine-coated poly(anhydride) nanoparticles in oral vaccination. 2009 , 27, 4784-90	92
1146	Construction and evaluation of DNA vaccines encoding <i>Edwardsiella tarda</i> antigens. 2009 , 27, 5195-202	117
1145	Expression of Toll-like receptors (TLRs) and TLR4 response to lipopolysaccharide in hen oviduct. 2009 , 127, 259-68	48
1144	Glycosylation of flagellin from <i>Pseudomonas syringae</i> pv. <i>tabaci</i> 6605 contributes to evasion of host tobacco plant surveillance system. 2009 , 74, 11-17	19
1143	Effects of type II pyrethroid cyhalothrin on rat innate immunity: a flow cytometric study. 2009 , 9, 148-52	12
1142	Microbial antigens mediate HLA-B27 diseases via TLRs. 2009 , 32, 172-7	36
1141	Induction of IL-8 expression by bacterial flagellin is mediated through lipid raft formation and intracellular TLR5 activation in A549 cells. 2009 , 47, 614-22	37
1140	Transcriptional analysis of Toll-like receptors expression in M cells. 2009 , 47, 365-72	17
1139	The roles of TLRs, RLRs and NLRs in pathogen recognition. 2009 , 21, 317-37	1113
1138	Listeriosis. 2009 , 14, 228-33	89
1137	<i>Salmonella</i> induces flagellin- and MyD88-dependent migration of bacteria-capturing dendritic cells into the gut lumen. 2009 , 137, 579-87, 587.e1-2	64
1136	Pattern recognition by Toll-like receptors. 2009 , 653, 15-34	73
1135	Toll-like receptors in bacterial meningitis. 2009 , 336, 15-40	35
1134	Immune interventions of human diseases through toll-like receptors. 2009 , 655, 63-80	9
1133	Defence Responses in Plants. 2009 , 363-385	
1132	Toll-like receptors: methods and protocols.Preface. 2009 , 517, v-vi	
1131	Pathogen recognition in the innate immune response. 2009 , 420, 1-16	417
1130	Toll-like Receptors: Roles in Infection and Neuropathology. 2009 ,	3

1129 DNA and RNA Profiling in Human Blood. **2009**,

1128 Target Pattern Recognition in Innate Immunity. **2009**,

8

1127 Toll-like receptors in liver ischemia reperfusion injury: a novel target for therapeutic modulation?. **2009**, 13, 427-42

28

1126 Transcriptome profiling and functional analyses of the zebrafish embryonic innate immune response to Salmonella infection. **2009**, 182, 5641-53

172

1125 Cancer immunotherapeutic potential of novel small molecule TLR7 and TLR8 agonists. **2009**, 6, 257-65

36

1124 Dendritic cells and their potential implication in pathology and treatment of rheumatoid arthritis. **2009**, 81-98

22

1123 Chapter 1 PAMP-Triggered Basal Immunity in Plants. **2009**, 1-38

20

1122 Therapeutic targeting of Toll-like receptors for infectious and inflammatory diseases and cancer. **2009**, 61, 177-97

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1121 Pathogen recognition and inflammatory signaling in innate immune defenses. **2009**, 22, 240-73, Table of Contents

1892

1120 Toll-like receptors in kidney disease. **2009**, 18, 189-96

37

1119 Pathogen recognition by innate immunity and its signaling. **2009**, 85, 143-56

171

1118 Potentiation of flagellin responses in gut epithelial cells by interferon-gamma is associated with STAT-independent regulation of MyD88 expression. **2009**, 423, 119-28

9

1117 Surface RANKL of Toll-like receptor 4-stimulated human neutrophils activates osteoclastic bone resorption. **2009**, 114, 1633-44

144

1116 Adaptive Immune Responses during Salmonella Infection. **2009**, 3,

4

1115 Immunomodulatory Ellagitannin Chemistry. **2009**, 203-272

3

1114 Phagocytosis: Early Events in Particle Recognition and Uptake. 37-64

1

1113 Use of genetically modified bacteria to modulate adaptive immunity. **2009**, 9, 171-84

8

1112 Pathophysiology of sepsis in the elderly: clinical impact and therapeutic considerations. **2009**, 10, 60-70

52

1111	Rallying the Troops: Innate Mucosal Responses to Enteric Pathogens. 2009 , 5, 249-266	2
1110	Role of Toll-like receptors in the development of immunotolerance mediated by probiotics. 2010 , 69, 381-9	88
1109	Toll-like receptor agonists: are they good adjuvants?. 2010 , 16, 382-91	115
1108	Membrane partitioning: is location everything when it comes to endotoxin recognition?. 2010 , 53, 173-84	4
1107	Toll-like receptors in innate immunity and infectious diseases. 2010 , 4, 385-93	15
1106	Expression of toll-like receptor 4 is down-regulated during progression of cervical neoplasia. 2010 , 59, 1021-8	57
1105	Important aspects of Toll-like receptors, ligands and their signaling pathways. 2010 , 59, 791-808	161
1104	Innate immune responses of the airway epithelium. 2010 , 30, 173-83	42
1103	A clear and present danger: endogenous ligands of Toll-like receptors. 2010 , 12, 149-63	72
1102	Genetic Susceptibility in Inflammatory Bowel Disease. 2010 , 8, 149-159	
1101	Mucosal vaccines: recent progress in understanding the natural barriers. 2010 , 27, 211-23	62
1100	Fusion protein of TLR5-ligand and allergen potentiates activation and IL-10 secretion in murine myeloid DC. 2010 , 48, 341-50	35
1099	Neonatal bacterial infection alters fever to live and simulated infections in adulthood. 2010 , 35, 369-81	28
1098	Polysaccharides from the root of <i>Angelica sinensis</i> promotes hematopoiesis and thrombopoiesis through the PI3K/AKT pathway. 2010 , 10, 79	59
1097	Construction of a large scale integrated map of macrophage pathogen recognition and effector systems. 2010 , 4, 63	32
1096	Regulation of cell behaviour by plant receptor kinases: Pattern recognition receptors as prototypical models. 2010 , 89, 200-7	39
1095	Innate immune signals in atherosclerosis. 2010 , 134, 5-24	137
1094	The emergence of immunomodulation: combinatorial immunochemotherapy opportunities for the next decade. 2010 , 116, 222-33	28

1093	Endogenous toll-like receptor ligands and their biological significance. 2010 , 14, 2592-603	353
1092	Intestinal dendritic cells: their role in bacterial recognition, lymphocyte homing, and intestinal inflammation. 2010 , 16, 1787-807	46
1091	Toll-like receptors and aseptic loosening of hip endoprosthesis-a potential to respond against danger signals?. 2010 , 28, 184-90	39
1090	Murine fecal proteomics: a model system for the detection of potential biomarkers for colorectal cancer. 2010 , 1217, 3330-40	33
1089	TLR2-, TLR4- and Myd88-independent acquired humoral and cellular immunity against Salmonella enterica serovar Typhimurium. 2010 , 127, 126-34	19
1088	Effects of mannoprotein E1 in liquid diet on inflammatory response and TLR5 expression in the gut of rats infected by Salmonella typhimurium. 2010 , 10, 58	9
1087	The role of toll-like receptors in acute and chronic lung inflammation. 2010 , 7, 57	75
1086	Purification and expression of a protein elicitor from Alternaria tenuissima and elicitor-mediated defence responses in tobacco. 2010 , 156, 411-420	26
1085	Virulence factor p60 of Listeria monocytogenes modulates innate immunity by inducing tumor necrosis factor alpha. 2010 , 59, 100-7	8
1084	The innate immune system in the intestine. 2010 , 54, 645-57	24
1083	Role of SIRP α in regulation of mucosal immunity in the intestine. 2010 , 15, 1189-200	8
1082	Expression and function of toll-like receptors in multiple myeloma patients: toll-like receptor ligands promote multiple myeloma cell growth and survival via activation of nuclear factor-kappaB. 2010 , 150, 543-53	36
1081	Flagellin delays spontaneous human neutrophil apoptosis. 2010 , 90, 1049-59	29
1080	From evolutionary genetics to human immunology: how selection shapes host defence genes. 2010 , 11, 17-30	352
1079	Host interactions of probiotic bacterial surface molecules: comparison with commensals and pathogens. 2010 , 8, 171-84	672
1078	Protein glycosylation in bacteria: sweeter than ever. 2010 , 8, 765-78	389
1077	Modulation of pattern recognition receptor-mediated inflammation and risk of chronic diseases by dietary fatty acids. 2010 , 68, 38-61	128
1076	Replication of Legionella Pneumophila in Human Cells: Why are We Susceptible?. 2010 , 1, 133	13

1075	Current views of toll-like receptor signaling pathways. 2010 , 2010, 240365	137
1074	The application of Toll like receptors for cancer therapy. 2010 , 6, 675-81	95
1073	Antigenic variation of microbial surface glycosylated molecules. 2010 , 819-835	
1072	Allergic rhinitis and genetic components: focus on Toll-like receptors (TLRs) gene polymorphism. 2010 , 3, 109-20	4
1071	Transfer of a Traditional Serotyping System (Kauffmann-White) onto a MALDI-TOF-MS Platform for the Rapid Typing of Salmonella Isolates. 2010 , 463-496	1
1070	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
1069	Telling apart friend from foe: discriminating between commensals and pathogens at mucosal sites. 2010 , 16, 391-404	23
1068	Activation of Toll-like receptor 5 decreases the attachment of human trophoblast cells to endometrial cells in vitro. 2010 , 25, 2217-28	25
1067	Mucosal administration of flagellin protects mice from Streptococcus pneumoniae lung infection. 2010 , 78, 4226-33	96
1066	In vivo discrimination of type 3 secretion system-positive and -negative Pseudomonas aeruginosa via a caspase-1-dependent pathway. 2010 , 78, 4744-53	25
1065	Shiga toxin 2 and flagellin from shiga-toxigenic Escherichia coli superinduce interleukin-8 through synergistic effects on host stress-activated protein kinase activation. 2010 , 78, 2984-94	24
1064	Enterotoxigenic Escherichia coli elicits immune responses to multiple surface proteins. 2010 , 78, 3027-35	58
1063	Reconstitution of a functional Toll-like receptor 5 binding site in Campylobacter jejuni flagellin. 2010 , 285, 12149-58	43
1062	Different bacterial pathogens, different strategies, yet the aim is the same: evasion of intestinal dendritic cell recognition. 2010 , 184, 2237-42	42
1061	Antigen-containing liposomes engrafted with flagellin-related peptides are effective vaccines that can induce potent antitumor immunity and immunotherapeutic effect. 2010 , 185, 1744-54	39
1060	Stenotrophomonas maltophilia flagellin induces a compartmentalized innate immune response in mouse lung. 2010 , 59, 913-919	15
1059	Role of virulence factors and host cell signaling in the recognition of Helicobacter pylori and the generation of immune responses. 2010 , 5, 1233-55	14
1058	Monocyte-mediated inhibition of TLR9-dependent IFN- β induction in plasmacytoid dendritic cells questions bacterial DNA as the active ingredient of bacterial lysates. 2010 , 185, 7367-73	19

1057	Involvement of absent in melanoma 2 in inflammasome activation in macrophages infected with <i>Listeria monocytogenes</i> . 2010 , 185, 1186-95	100
1056	TLR5 as an anti-inflammatory target and modifier gene in cystic fibrosis. 2010 , 185, 7731-8	56
1055	A novel pathway for inducible nitric-oxide synthase activation through inflammasomes. 2010 , 285, 32087-95	36
1054	Innate immune recognition in infectious and noninfectious diseases of the lung. 2010 , 181, 1294-309	188
1053	Flagellin stimulates protective lung mucosal immunity: role of cathelicidin-related antimicrobial peptide. 2010 , 185, 1142-9	81
1052	Toll-like receptors in the pathogenesis of alcoholic liver disease. 2010 , 2010,	72
1051	Bacterial supersystem for alginate import/metabolism and its environmental and bioenergy applications. 2010 , 1, 97-109	24
1050	Pattern recognition via the toll-like receptor system in the human female genital tract. 2010 , 2010, 976024	85
1049	Toll-like receptors expression and signaling in glia cells in neuro-amyloidogenic diseases: towards future therapeutic application. 2010 , 2010,	79
1048	A rapid change in virulence gene expression during the transition from the intestinal lumen into tissue promotes systemic dissemination of <i>Salmonella</i> . 2010 , 6, e1001060	55
1047	The expression and functions of toll-like receptors in atherosclerosis. 2010 , 2010, 393946	113
1046	A comprehensive analysis of pattern recognition receptors in normal and inflamed human epidermis: upregulation of dectin-1 in psoriasis. 2010 , 130, 2611-20	52
1045	Functional metagenomics: a high throughput screening method to decipher microbiota-driven NF- κ B modulation in the human gut. 2010 , 5, e13092	58
1044	Deletion of the mucin-like molecule muc1 enhances dendritic cell activation in response to toll-like receptor ligands. 2010 , 2, 123-43	22
1043	Effect of temperature on the shift of <i>Pseudomonas fluorescens</i> from an environmental microorganism to a potential human pathogen. 2010 , 23, 227-34	23
1042	Live, attenuated strains of <i>Listeria</i> and <i>Salmonella</i> as vaccine vectors in cancer treatment. 2010 , 1, 235-43	43
1041	CXCR1 is critical for <i>Salmonella</i> -induced migration of dendritic cells into the intestinal lumen. 2010 , 1, 131-4	10
1040	<i>Pseudomonas aeruginosa</i> evasion of phagocytosis is mediated by loss of swimming motility and is independent of flagellum expression. 2010 , 78, 2937-45	97

1039	The <i>Pseudomonas aeruginosa</i> exopolysaccharide Psl facilitates surface adherence and NF-kappaB activation in A549 cells. 2010 , 1,	43
1038	Measuring TLR function in transfectants. 2010 , Chapter 14, Unit 14.16	2
1037	Innate immune function of the neisserial porins and the relationship to vaccine adjuvant activity. 2010 , 5, 749-58	39
1036	Dendritic cells: bridging innate and adaptive immunity in atopic dermatitis. 2010 , 125, 50-9	70
1035	Guilt by intimate association: what makes an allergen an allergen?. 2010 , 125, 955-60; quiz 961-2	42
1034	Waging war against uropathogenic <i>Escherichia coli</i> : winning back the urinary tract. 2010 , 78, 568-85	157
1033	The role of toll-like receptors in host defenses and their relevance to dermatologic diseases. 2010 , 11, 1-10	39
1032	Immunomodulating activity of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> NTU 101 in enterohemorrhagic <i>Escherichia coli</i> O157H7-infected mice. 2010 , 58, 11265-72	48
1031	A recombinant flagellin-poxvirus fusion protein vaccine elicits complement-dependent protection against respiratory challenge with vaccinia virus in mice. 2010 , 23, 201-10	46
1030	Bacterial flagellin elicits widespread innate immune defense mechanisms, apoptotic signaling, and a sepsis-like systemic inflammatory response in mice. 2010 , 14, R160	38
1029	The role of innate signaling in the homeostasis of tolerance and immunity in the intestine. 2010 , 300, 41-8	73
1028	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
1027	Taking off the brakes: T cell immunity in the liver. 2010 , 31, 311-7	24
1026	Identification, characterization and genetic mapping of TLR1 loci in rainbow trout (<i>Oncorhynchus mykiss</i>). 2010 , 28, 918-26	44
1025	Molecular cloning and expression study on Toll-like receptor 5 paralogs in Japanese flounder, <i>Paralichthys olivaceus</i> . 2010 , 29, 630-8	70
1024	Extracellular products from virulent strain of <i>Edwardsiella tarda</i> stimulate mouse macrophages (RAW264.7) to produce nitric oxide (NO) and tumor necrosis factor (TNF)-alpha. 2010 , 29, 778-85	11
1023	TLRs and chronic inflammation. 2010 , 42, 495-505	120
1022	Enterotoxigenic <i>Escherichia coli</i> (K88) induce proinflammatory responses in porcine intestinal epithelial cells. 2010 , 34, 1175-82	65

1021	Escherichia coli ghosts promote innate immune responses in human keratinocytes. 2010 , 400, 78-82	13
1020	Toll-like receptors in ocular surface disease. 2010 , 90, 679-87	79
1019	Salmonella flagellins are potent adjuvants for intranasally administered whole inactivated influenza vaccine. 2010 , 28, 4103-12	84
1018	IgA and IgG antibody responses following systemic immunization of cattle with native H7 flagellin differ in epitope recognition and capacity to neutralise TLR5 signalling. 2010 , 28, 1412-21	20
1017	CD8+ T cell adjuvant effects of Salmonella FliC _d flagellin in live vaccine vectors or as purified protein. 2010 , 28, 1373-82	39
1016	Immunogenic properties of a recombinant fusion protein containing the C-terminal 19 kDa of Plasmodium falciparum merozoite surface protein-1 and the innate immunity agonist FliC flagellin of Salmonella typhimurium. 2010 , 28, 2818-26	31
1015	Innate and acquired immune responses induced by recombinant Lactobacillus casei displaying flagellin-fusion antigen on the cell-surface. 2010 , 28, 3409-15	24
1014	Dissection and localization of the immunostimulating domain of Edwardsiella tarda FliC. 2010 , 28, 5635-40	22
1013	Safety and immunogenicity of a recombinant hemagglutinin influenza-flagellin fusion vaccine (VAX125) in healthy young adults. 2010 , 28, 8268-74	100
1012	Host-pathogen interactions in urinary tract infection. 2010 , 7, 430-41	292
1011	Functional genomics to identify therapeutic prophylactic targets. 2010 , 2, 219-27	1
1010	Aberrant inflammatory response to Streptococcus pyogenes in mice lacking myeloid differentiation factor 88. 2010 , 176, 754-63	26
1009	Toll-like receptor (TLR) 2 and TLR9 expressed in trigeminal ganglia are critical to viral control during herpes simplex virus 1 infection. 2010 , 177, 2433-45	62
1008	Plant and animal sensors of conserved microbial signatures. 2010 , 330, 1061-4	193
1007	Synthetic human chorionic gonadotropin-related oligopeptides impair early innate immune responses to Listeria monocytogenes in Mice. 2010 , 201, 1072-80	34
1006	Future biologic targets for IBD: potentials and pitfalls. 2010 , 7, 110-7	61
1005	Genomics in the Evaluation and Management of Sepsis. 2010 , 760-773	
1004	Role of polymorphic variants as genetic modulators of infection in neonatal sepsis. 2010 , 68, 323-9	74

1003	The role of Toll-like receptors in renal diseases. 2010 , 6, 224-35	145
1002	Prokaryotic and Eukaryotic Heat Shock Proteins in Infectious Disease. 2010 ,	5
1001	Flagellin as an adjuvant: cellular mechanisms and potential. 2010 , 185, 5677-82	283
1000	Growth temperature-dependent contributions of response regulators, B, PrfA, and motility factors to <i>Listeria monocytogenes</i> invasion of Caco-2 cells. 2010 , 7, 1337-49	8
999	UNC93B1 is essential for TLR11 activation and IL-12-dependent host resistance to <i>Toxoplasma gondii</i> . 2011 , 286, 3307-14	87
998	Delineation of the role of Toll-like receptor signaling during peritonitis by a gradually growing pathogenic <i>Escherichia coli</i> . 2011 , 286, 36603-18	17
997	Toll-like receptor 4 stimulation initiates an inflammatory response that decreases cardiomyocyte contractility. 2011 , 15, 1895-909	79
996	Innate cellular responses to the periodontal biofilm. 2012 , 15, 41-55	67
995	Development of protective immunity to <i>Salmonella</i> , a mucosal pathogen with a systemic agenda. 2011 , 4, 371-82	94
994	Prenatal animal contact and gene expression of innate immunity receptors at birth are associated with atopic dermatitis. 2011 , 127, 179-85, 185.e1	122
993	Roles of dental pulp fibroblasts in the recognition of bacterium-related factors and subsequent development of pulpitis. 2011 , 47, 161-166	17
992	Immunodeficiency and genetic defects of pattern-recognition receptors. 2011 , 364, 60-70	75
991	Toll-like receptors in health and disease in the brain: mechanisms and therapeutic potential. 2011 , 121, 367-87	350
990	Intrinsic and extrinsic regulation of innate immune receptors. 2011 , 52, 379-92	65
989	Biofilm Infections. 2011 ,	24
988	Innate immunity in the respiratory epithelium. 2011 , 45, 189-201	294
987	The airway epithelium: more than just a structural barrier. 2011 , 5, 255-73	156
986	Toll-like receptor 9 agonists as cancer therapeutics. 2011 , 20, 361-72	36

985	Innate Immunity: Pattern Recognition in Plants. 2011 , 1-32	
984	Toll-like receptors as interferon-regulated genes and their role in disease. 2011 , 31, 13-25	41
983	Host defenses trigger salmonella's arsenal. 2011 , 9, 167-168	1
982	Complete genome sequences of rat and mouse segmented filamentous bacteria, a potent inducer of th17 cell differentiation. 2011 , 10, 273-84	96
981	Immune functions of the skin. 2011 , 29, 360-76	75
980	Defects of pattern recognition: primary immunodeficiencies of the innate immune system. 2011 , 11, 412-22	7
979	The role of TLRs in neutrophil activation. 2011 , 11, 397-403	155
978	PAMP induced expression of immune relevant genes in head kidney leukocytes of rainbow trout (<i>Oncorhynchus mykiss</i>). 2011 , 35, 476-82	76
977	Toll-like receptors in bony fish: from genomics to function. 2011 , 35, 1263-72	340
976	Maximal transcriptional activation of piscine soluble Toll-like receptor 5 by the NF- κ B subunit p65 and flagellin. 2011 , 31, 881-6	17
975	Toll-like receptor activation modulates antimicrobial peptide expression by ocular surface cells. 2011 , 92, 209-20	65
974	Flagellin, a TLR5 agonist, reduces graft-versus-host disease in allogeneic hematopoietic stem cell transplantation recipients while enhancing antiviral immunity. 2011 , 187, 5130-40	39
973	TLRs, NLRs and RLRs: innate sensors and their impact on allergic diseases--a current view. 2011 , 139, 14-24	19
972	Secretion, modification, and regulation of Ax21. 2011 , 14, 62-7	28
971	Association of polymorphisms in TLR genes and in genes of the Toll-like receptor signaling pathway with cancer risk. 2011 , 72, 1095-116	83
970	TLR-based immune adjuvants. 2011 , 29, 3341-55	351
969	Evaluation of the protective immunity of the <i>Legionella pneumophila</i> recombinant protein FlaA/MompS/PilE in an A/J mouse model. 2011 , 29, 4051-7	10
968	Intranasal immunization with recombinant PspA fused with a flagellin enhances cross-protective immunity against <i>Streptococcus pneumoniae</i> infection in mice. 2011 , 29, 5731-9	62

967	Transcriptional profiling of immune genes in bovine monocyte-derived macrophages exposed to bacterial antigens. 2011 , 140, 130-9	239
966	Host-response patterns of intramammary infections in dairy cows. 2011 , 144, 270-89	200
965	Innate immunity in rice. 2011 , 16, 451-9	111
964	Developmental Immunology and Role of Host Defenses in Fetal and Neonatal Susceptibility to Infection. 2011 , 80-191	10
963	Production of native flagellin from Salmonella Typhimurium in a bioreactor and purification by tangential ultrafiltration. 2011 , 28, 575-584	6
962	Innate immunity and transplantation tolerance: the potential role of TLRs/NLRs in GVHD. 2011 , 46, 69-79	15
961	Role of Inflammation in Metastatic Progression. 155-166	
960	Toll-like receptors and myocardial inflammation. 2011 , 2011, 170352	54
959	Host-Pathogen Interactions. 372-388	
958	Innate immune recognition and inflammasome activation in listeria monocytogenes infection. 2010 , 1, 149	25
957	Fungal surface and innate immune recognition of filamentous fungi. 2011 , 2, 248	25
956	Toll-Like Receptors in SLE. 2011 , 293-306	
955	Flagellin delivery by Pseudomonas aeruginosa rhamnolipids induces the antimicrobial protein psoriasin in human skin. 2011 , 6, e16433	32
954	Phenotypic pattern-based assay for dynamically monitoring host cellular responses to Salmonella infections. 2011 , 6, e26544	12
953	Toll-like receptor--a potent driving force behind rheumatoid arthritis. 2011 , 51, 77-92	32
952	Monocyte and T-cell responses to exercise training in elderly subjects. 2011 , 25, 2565-72	35
951	Additive melanoma suppression with intralesional phospholipid-conjugated TLR7 agonists and systemic IL-2. 2011 , 21, 66-75	19
950	Breed-independent toll-like receptor 5 polymorphisms show association with canine inflammatory bowel disease. 2011 , 78, 94-101	32

949	Intimate adherence by enteropathogenic <i>Escherichia coli</i> modulates TLR5 localization and proinflammatory host response in intestinal epithelial cells. 2011 , 73, 268-83	15
948	Glucose activation of islets of Langerhans up-regulates Toll-like receptor 5: possible mechanism of protection. 2011 , 166, 251-7	5
947	Cytoadherence-dependent induction of inflammatory responses by <i>Mycoplasma pneumoniae</i> . 2011 , 133, 51-61	35
946	Antigen recognition and presentation in periapical tissues: a role for TLR expressing cells?. 2011 , 44, 87-99	6
945	A type III effector protease NleC from enteropathogenic <i>Escherichia coli</i> targets NF- κ B for degradation. 2011 , 80, 219-30	103
944	Guide to Receptors and Channels (GRAC), 5th edition. 2011 , 164 Suppl 1, S1-324	702
943	Consultants. 2011 , 164, S3-S3	7
942	G PROTEIN-COUPLED RECEPTORS. 2011 , 164, S5-S113	14
941	LIGAND-GATED ION CHANNELS. 2011 , 164, S115-S135	5
940	ION CHANNELS. 2011 , 164, S137-S174	9
939	NUCLEAR RECEPTORS. 2011 , 164, S175-S188	78
938	CATALYTIC RECEPTORS. 2011 , 164, S189-S212	1
937	TRANSPORTERS. 2011 , 164, S213-S278	2
936	ENZYMES. 2011 , 164, S279-S324	2
935	The host selects mucosal and luminal associations of coevolved gut microorganisms: a novel concept. 2011 , 35, 681-704	166
934	Immunogenomics and systems biology of vaccines. 2011 , 239, 197-208	57
933	Use of defined TLR ligands as adjuvants within human vaccines. 2011 , 239, 178-96	300
932	Cell biology and immunology of <i>Listeria monocytogenes</i> infections: novel insights. 2011 , 240, 160-84	129

931	Skeletal muscle cells: from local inflammatory response to active immunity. 2011 , 18, 109-16	49
930	Heterogeneous expression of toll-like receptors in lymphatic endothelial cells derived from different tissues. 2011 , 89, 475-81	27
929	Expression of toll-like receptors in genital tract tissues from normal and HIV-infected men. 2011 , 65, 28-43	22
928	Role of TLR2-dependent inflammation in metastatic progression. 2011 , 1217, 191-206	48
927	The structural biology of Toll-like receptors. 2011 , 19, 447-59	418
926	Porcine Toll-like receptors: recognition of <i>Salmonella enterica</i> serovar Choleraesuis and influence of polymorphisms. 2011 , 48, 1114-20	24
925	Innate immunity and adjuvants. 2011 , 366, 2748-55	109
924	A TLR5 agonist inhibits acute renal ischemic failure. 2011 , 187, 3831-9	32
923	Factors influencing the allergenicity and adjuvanticity of allergens. 2011 , 3, 881-93	13
922	Characterization and expression analysis of the myeloid differentiation factor 88 (MyD88) in rock bream <i>Oplegnathus fasciatus</i> . 2011 , 38, 3911-20	31
921	Monocyte and macrophage heterogeneity and Toll-like receptors in the lung. 2011 , 343, 97-106	58
920	Toll-like receptors in domestic animals. 2011 , 343, 107-20	51
919	Comparative genomics identifies candidate genes for infectious salmon anemia (ISA) resistance in Atlantic salmon (<i>Salmo salar</i>). 2011 , 13, 232-41	46
918	Selbst oder Nicht-Selbst –die Rezeptoren des pflanzlichen Immunsystems. 2011 , 62, 95-99	2
917	Innate immunity and the pathogenesis of type 1 diabetes. 2011 , 33, 57-66	35
916	Probiotic therapy: immunomodulating approach toward urinary tract infection. 2011 , 63, 484-90	50
915	Granulin is a soluble cofactor for toll-like receptor 9 signaling. 2011 , 34, 505-13	131
914	Fate of polymeric nanocarriers for oral drug delivery. 2011 , 16, 228-237	237

913	Cellular and molecular mechanisms in the two major forms of inflammatory bowel disease. 2011 , 17, 463-72	22
912	TLR9 expression and its role in chemosensitivity to DDP in human cervical cancer cells in vitro. 2011 , 31, 550	7
911	Systems biology applied to vaccine and immunotherapy development. 2011 , 5, 146	25
910	Smoking, Infectious Diseases and Innate Immune (Dys)function. 2011 , 191-215	
909	TLR5 functions as an endocytic receptor to enhance flagellin-specific adaptive immunity. 2011 , 41, 29-38	61
908	Negative regulation of signaling by a soluble form of toll-like receptor 9. 2011 , 41, 2176-84	35
907	Soluble flagellin, FliC, induces an Ag-specific Th2 response, yet promotes T-bet-regulated Th1 clearance of Salmonella typhimurium infection. 2011 , 41, 1606-18	60
906	Generation of a Listeria vaccine strain by enhanced caspase-1 activation. 2011 , 41, 1934-40	32
905	Distinct microbiome in pouchitis compared to healthy pouches in ulcerative colitis and familial adenomatous polyposis. 2011 , 17, 1092-100	58
904	All-trans retinoic acid induces TLR-5 expression and cell differentiation and promotes flagellin-mediated cell functions in human THP-1 cells. 2011 , 136, 97-107	13
903	Expression and function of triggering receptor expressed on myeloid cells-1 (TREM-1) on canine neutrophils. 2011 , 35, 872-80	9
902	Pathogen-associated molecular patterns on biomaterials: a paradigm for engineering new vaccines. 2011 , 29, 294-306	118
901	Human peritoneal mesothelial cells respond to bacterial ligands through a specific subset of Toll-like receptors. 2011 , 26, 4079-90	40
900	Activation of motility by sensing short-chain fatty acids via two steps in a flagellar gene regulatory cascade in enterohemorrhagic Escherichia coli. 2011 , 79, 1016-24	68
899	TLR5 activation induces secretory interleukin-1 receptor antagonist (sIL-1Ra) and reduces inflammasome-associated tissue damage. 2011 , 4, 102-11	55
898	A Th1-inducing adenoviral vaccine for boosting adoptively transferred T cells. 2011 , 19, 211-7	17
897	Enhanced antigen processing of flagellin fusion proteins promotes the antigen-specific CD8+ T cell response independently of TLR5 and MyD88. 2011 , 186, 6255-62	31
896	Change is good: variations in common biological mechanisms in the epsilonproteobacterial genera Campylobacter and Helicobacter. 2011 , 75, 84-132	58

895	Legionella pneumophila-induced IL-6 dependent expression of interleukin-6 in lung epithelium. 2011 , 37, 648-57	17
894	Replicating Vaccines. 2011 ,	3
893	Acne Vulgaris. 2011 ,	2
892	Phosphorylation of the epidermal growth factor receptor (EGFR) is essential for interleukin-8 release from intestinal epithelial cells in response to challenge with Escherichia coli O157 : H7 flagellin. 2011 , 157, 2339-2347	6
891	Dissimilar properties of two recombinant Lactobacillus acidophilus strains displaying Salmonella FliC with different anchoring motifs. 2011 , 77, 6587-96	35
890	Mechanistic role of microRNA-146a in endotoxin-induced differential cross-regulation of TLR signaling. 2011 , 186, 1723-34	172
889	Role for MyD88, TLR2 and TLR9 but not TLR1, TLR4 or TLR6 in experimental autoimmune encephalomyelitis. 2011 , 187, 791-804	61
888	Malaria Vaccine Development: Are Bacterial Flagellin Fusion Proteins the Bridge between Mouse and Humans?. 2011 , 2011, 965369	8
887	Flagellin induces the expression of thymic stromal lymphopoietin in human keratinocytes via toll-like receptor 5. 2011 , 155, 31-7	44
886	Role of TLR signaling in Francisella tularensis-LPS-induced, antibody-mediated protection against Francisella tularensis challenge. 2011 , 90, 787-97	22
885	The lifestyle of the segmented filamentous bacterium: a non-culturable gut-associated immunostimulating microbe inferred by whole-genome sequencing. 2011 , 18, 291-303	71
884	Studies on Renal Disorders. 2011 ,	3
883	Live Attenuated Cholera Vaccines: Flagella and Reactogenicity. 2011 , 261-281	1
882	Direct evaluation of Pseudomonas aeruginosa biofilm mediators in a chronic infection model. 2011 , 79, 3087-95	66
881	Synergistic interactions of TLR2/6 and TLR9 induce a high level of resistance to lung infection in mice. 2011 , 186, 5916-26	76
880	A novel aminosaccharide compound blocks immune responses by Toll-like receptors and nucleotide-binding domain, leucine-rich repeat proteins. 2011 , 286, 5727-35	9
879	Priming of protective anti-Listeria monocytogenes memory CD8+ T cells requires a functional SecA2 secretion system. 2011 , 79, 2396-403	10
878	The dual functions of IL-1 receptor-associated kinase 2 in TLR9-mediated IFN and proinflammatory cytokine production. 2011 , 186, 3006-14	17

877	The pharmacokinetics of Toll-like receptor agonists and the impact on the immune system. 2011 , 4, 275-89	115
876	Cell-associated flagella enhance the protection conferred by mucosally-administered attenuated <i>Salmonella</i> Paratyphi A vaccines. 2011 , 5, e1373	43
875	Identification of NF- κ B modulation capabilities within human intestinal commensal bacteria. 2011 , 2011, 282356	45
874	The plant pathogen <i>Pseudomonas syringae</i> pv. tomato is genetically monomorphic and under strong selection to evade tomato immunity. 2011 , 7, e1002130	151
873	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
872	<i>Pseudomonas</i> evades immune recognition of flagellin in both mammals and plants. 2011 , 7, e1002206	97
871	The arsenal of virulence factors deployed by <i>Listeria monocytogenes</i> to promote its cell infection cycle. 2011 , 2, 379-94	162
870	Location, location, location: is membrane partitioning everything when it comes to innate immune activation?. 2011 , 2011, 186093	28
869	Identification and functional analysis of a novel single nucleotide polymorphism (SNP) in the porcine Toll like receptor (TLR) 5 gene. 2011 , 61, 161-167	3
868	Expression of Toll-like receptors and their signaling pathways in rheumatoid synovitis. 2011 , 38, 810-20	55
867	A protein thermometer controls temperature-dependent transcription of flagellar motility genes in <i>Listeria monocytogenes</i> . 2011 , 7, e1002153	61
866	Effect of iacP mutation on flagellar phase variation in <i>Salmonella enterica</i> serovar typhimurium strain UK-1. 2012 , 194, 4332-41	5
865	Toll-like receptor transcriptome in the HPV-positive cervical cancer microenvironment. 2012 , 2012, 785825	43
864	Soluble Toll-like receptor 1 family members in the amniotic fluid of women with preterm prelabor rupture of the membranes. 2012 , 25, 1699-704	16
863	A Correction to the Perspective Titled: "The Structure of the TLR5-Flagellin Complex: A New Mode of Pathogen Detection, Conserved Receptor Dimerization for Signaling" by J. Lu and P. D. Sun. 2012 , 5, e3-er3	1
862	Induction of epithelial-mesenchymal transition by flagellin in cultured lung epithelial cells. 2012 , 303, L1057-69	16
861	The main <i>Aeromonas</i> pathogenic factors. 2012 , 2012, 256261	140
860	Membrane damage during <i>Listeria monocytogenes</i> infection triggers a caspase-7 dependent cytoprotective response. 2012 , 8, e1002628	27

859	NEU1 sialidase expressed in human airway epithelia regulates epidermal growth factor receptor (EGFR) and MUC1 protein signaling. 2012 , 287, 8214-31	58
858	Recognition of nucleic acid ligands by toll-like receptors 7/8: importance of chemical modification. 2012 , 19, 1365-77	8
857	Immunological responses to gut bacteria. 2012 , 95, 35-49	10
856	Innate immunity: ignored for decades, but not forgotten. 2012 , 132, 882-6	24
855	Dietary arginine supplementation alleviates immune challenge induced by Salmonella enterica serovar Choleraesuis bacterin potentially through the Toll-like receptor 4-myeloid differentiation factor 88 signalling pathway in weaned piglets. 2012 , 108, 1069-76	32
854	Characterization and functional significance of polymorphisms in porcine Toll-like receptor (TLR) 5 gene. 2012 , 92, 409-415	2
853	Trial Watch: Experimental Toll-like receptor agonists for cancer therapy. 2012 , 1, 699-716	164
852	Functional analysis of Lactobacillus rhamnosus GG pili in relation to adhesion and immunomodulatory interactions with intestinal epithelial cells. 2012 , 78, 185-93	219
851	TLR15 is unique to avian and reptilian lineages and recognizes a yeast-derived agonist. 2012 , 189, 4930-8	50
850	Membrane-tethered MUC1 mucin is phosphorylated by epidermal growth factor receptor in airway epithelial cells and associates with TLR5 to inhibit recruitment of MyD88. 2012 , 188, 2014-22	45
849	Construction and immunological evaluation of dual cell surface display of HIV-1 gag and Salmonella enterica serovar Typhimurium FliC in Lactobacillus acidophilus for vaccine delivery. 2012 , 19, 1374-81	54
848	Flagellin enhances saliva IgA response and protection of anti-caries DNA vaccine. 2012 , 91, 249-54	23
847	Crosstalk between complement and toll-like receptors. 2012 , 40, 174-82	66
846	Impact of HMGB1/TLR Ligand Complexes on HIV-1 Replication: Possible Role for Flagellin during HIV-1 Infection. 2012 , 2012, 263836	16
845	Expression of toll-like receptors on breast tumors: taking a toll on tumor microenvironment. 2012 , 2012, 716564	36
844	Damage- and pathogen-associated molecular patterns and alarmins: keys to sepsis?. 2012 , 48, 171-9	46
843	PRAT4A-dependent expression of cell surface TLR5 on neutrophils, classical monocytes and dendritic cells. 2012 , 24, 613-23	29
842	Toll-like receptor 11 (TLR11) prevents Salmonella penetration into the murine Peyer patches. 2012 , 287, 43417-23	16

841	The FomA porin from <i>Fusobacterium nucleatum</i> is a Toll-like receptor 2 agonist with immune adjuvant activity. 2012 , 19, 1093-101	36
840	Therapeutic applications of nucleic acids and their analogues in Toll-like receptor signaling. 2012 , 17, 13503-29	48
839	Pattern recognition receptors in infectious skin diseases. 2012 , 14, 881-93	21
838	The Toll-like receptor 5 ligand flagellin promotes asthma by priming allergic responses to indoor allergens. 2012 , 18, 1705-10	91
837	Toll-like receptor-based immuno-analysis of pathogenic microorganisms. 2012 , 84, 9713-20	11
836	A mouse model of <i>Salmonella typhi</i> infection. 2012 , 151, 590-602	145
835	Primary immunodeficiencies of pattern recognition receptors. 2012 , 272, 517-27	14
834	Toll-like receptors 1-9 are elevated in livers with fructose-induced hepatic steatosis. 2012 , 107, 1727-38	96
833	The fimbriae activator MatA switches off motility in <i>Escherichia coli</i> by repression of the flagellar master operon flhDC. 2012 , 158, 1444-1455	29
832	Systemic flagellin immunization stimulates mucosal CD103+ dendritic cells and drives Foxp3+ regulatory T cell and IgA responses in the mesenteric lymph node. 2012 , 189, 5745-54	48
831	Pattern-recognition receptors in human eosinophils. 2012 , 136, 11-20	95
830	Immunogenicity to biologics: mechanisms, prediction and reduction. 2012 , 60, 331-44	76
829	Genetic variability in swine leukocyte antigen class II and Toll-like receptors affects immune responses to vaccination for bacterial infections in pigs. 2012 , 35, 523-32	12
828	Genomic survey of polymorphisms in pattern recognition receptors and their possible relationship to infections in pigs. 2012 , 148, 69-73	15
827	Interaction of porcine neutrophils with different strains of enterotoxigenic <i>Escherichia coli</i> . 2012 , 160, 108-16	8
826	Identification and molecular evolutionary analysis of TLR5 gene from the Tibetan macaque (<i>Macaca thibetana</i>). 2012 , 34, 423-428	4
825	Role of lipid rafts and flagellin in invasion of colonic epithelial cells by Shiga-toxigenic <i>Escherichia coli</i> O113:H21. 2012 , 80, 2858-67	30
824	Toll Receptors in Relation to Adjuvant Effects. 2012 , 393-400	

823	Toll- and NOD-like receptor mRNA expression in canine sino-nasal aspergillosis and idiopathic lymphoplasmacytic rhinitis. 2012 , 145, 618-24	26
822	Experimental Evidence of a Role for RLKs in Innate Immunity. 2012 , 67-77	2
821	Overview and outlook of Toll-like receptor ligand-antigen conjugate vaccines. 2012 , 3, 749-60	40
820	Pattern recognition receptors: sentinels in innate immunity and targets of new vaccine adjuvants. 2012 , 11, 237-56	98
819	Inhibition of <i>Pseudomonas aeruginosa</i> virulence: characterization of the AprA-AprI interface and species selectivity. 2012 , 415, 573-83	26
818	Enhancement of the anti-Salmonella immune response in CD154-deficient mice by an attenuated, IFN- β -expressing, strain of <i>Salmonella enterica</i> serovar Typhimurium. 2012 , 52, 326-35	3
817	Adaptor protein-3 in dendritic cells facilitates phagosomal toll-like receptor signaling and antigen presentation to CD4(+) T cells. 2012 , 36, 782-94	53
816	Immunologic Development and Susceptibility to Infection. 2018 , 85-93.e3	1
815	Bioconjugation Approaches to Producing Subunit Vaccines Composed of Protein or Peptide Antigens and Covalently Attached Toll-Like Receptor Ligands. 2018 , 29, 572-586	31
814	Genetic host factors in <i>Helicobacter pylori</i> -induced carcinogenesis: Emerging new paradigms. 2018 , 1869, 42-52	42
813	Compartmentalized Antimicrobial Defenses in Response to Flagellin. 2018 , 26, 423-435	27
812	Crosstalk between TLR4 and Notch1 signaling in the IgA nephropathy during inflammatory response. 2018 , 50, 779-785	22
811	Bacterial resistance to silver nanoparticles and how to overcome it. 2018 , 13, 65-71	445
810	Cloning, expression pattern and functional characterization of interleukin-1 receptor-associated kinase 4, an important mediator of the Toll-like receptor signaling pathway, from <i>Artemia sinica</i> . 2018 , 72, 48-56	5
809	Transcriptome analysis provides insights into the immune responsive pathways and genes in the head kidney of tiger grouper (<i>Epinephelus fuscoguttatus</i>) fed with <i>Spatholobus suberectus</i> , <i>Phellodendron amurense</i> , or <i>Eclipta prostrata</i> . 2018 , 73, 100-111	12
808	Lipotoxicity and the gut-liver axis in NASH pathogenesis. 2018 , 68, 280-295	324
807	Prompt and Robust Humoral Immunity Elicited by a Conjugated Chimeric Malaria Antigen with a Truncated Flagellin. 2018 , 29, 761-770	6
806	Infection of human intestinal epithelial cells by invasive bacteria activates NF- κ B and increases ICAM-1 expression through NOD1. 2018 , 33, 81-90	4

805	Pathogen-Associated Molecular Patterns (PAMP) and PAMP-Triggered Immunity. 2018 , 16-47	10
804	Lactoferrin and Peptide-derivatives: Antimicrobial Agents with Potential Use in Nonspecific Immunity Modulation. 2018 , 24, 1067-1078	18
803	Proteolytic Surface-Shaving and Serotype-Dependent Expression of SPI-1 Invasion Proteins in Subspecies. 2018 , 5, 124	6
802	Lysogenisation of Shiga toxin-encoding bacteriophage represses cell motility. 2018 , 64, 34-41	4
801	Immune System Disorders: Hypersensitivity and Autoimmunity. 2018 ,	1
800	Immunogenicity and protective efficacy against <i>Treponema pallidum</i> in New Zealand rabbits immunized with plasmid DNA encoding flagellin. 2018 , 7, 177	10
799	in Chronic Lung Infections: How to Adapt Within the Host?. 2018 , 9, 2416	71
798	Surface engineered polyanhydride-based oral subunit nanovaccine for poultry. 2018 , 13, 8195-8215	17
797	rs5744174 gene polymorphism is associated with the virus etiology of infant bronchiolitis but not with post-bronchiolitis asthma. 2018 , 1, e38	3
796	Fibronectin (FN) cooperated with TLR2/TLR4 receptor to promote innate immune responses of macrophages via binding to integrin α . 2018 , 9, 1588-1600	11
795	<i>Helicobacter pylori</i> flagellin: TLR5 evasion and fusion-based conversion into a TLR5 agonist. 2018 , 505, 872-878	5
794	Intestinal CD103CD11b cDC2 Conventional Dendritic Cells Are Required for Primary CD4 T and B Cell Responses to Soluble Flagellin. 2018 , 9, 2409	15
793	Modular bioinformatics analysis demonstrates that a Toll-like receptor signaling pathway is involved in the regulation of macrophage polarization. 2018 , 18, 4313-4320	9
792	Trial Watch: Toll-like receptor agonists in cancer immunotherapy. 2018 , 7, e1526250	109
791	<i>Toxoplasma gondii</i> profilin does not stimulate an innate immune response through bovine or human TLR5. 2018 , 24, 422-429	4
790	DNA Vaccine-Encoded Flagellin Can Be Used as an Adjuvant Scaffold to Augment HIV-1 gp41 Membrane Proximal External Region Immunogenicity. 2018 , 10,	3
789	Targeting Toll-Like Receptors for Cancer Therapy. 2018 , 13, 583-598	59
788	F18 <i>Escherichia coli</i> flagellin expression in <i>Salmonella</i> has immunoadjuvant effects in a ghost vaccine candidate containing <i>E. coli</i> Stx2eB, FedF and FedA against porcine edema disease. 2018 , 58, 44-51	1

787	Evolution and species-specific conservation of toll-like receptors in terrestrial vertebrates. 2018 , 37, 217-228	11
786	IL-27 amplifies cytokine responses to Gram-negative bacterial products and Salmonella typhimurium infection. 2018 , 8, 13704	8
785	TLR5 decoy receptor as a novel anti-amyloid therapeutic for Alzheimer's disease. 2018 , 215, 2247-2264	21
784	Modulation of the immune system by the gut microbiota in the development of type 1 diabetes. 2018 , 14, 2580-2596	9
783	Role of innate immune system in the pathogenesis of ankylosing spondylitis. 2018 , 105, 130-143	25
782	Q969R polymorphism in NLRP3 is associated with immune responses to vaccination against bacterial infections in pigs. 2018 , 89, 1043-1050	2
781	Role of toll-like receptor 4 (TLR4)-mediated interleukin-6 (IL-6) production in chemotherapy-induced mucositis. 2018 , 82, 31-37	7
780	Role of oxidative stress, inflammation, hypoxia and angiogenesis in the development of diabetic retinopathy. 2018 , 32, 318-323	55
779	Host-Derived Nitric Oxide and Its Antibacterial Effects in the Urinary Tract. 2018 , 73, 1-62	2
778	The expression of Toll-like receptor 5 in preterm histologic chorioamnionitis. 2018 , 62, 63-67	3
777	Molecular cloning, characterization, and functional analysis of pigeon (<i>Columba livia</i>) Toll-like receptor 5. 2018 , 97, 4031-4039	4
776	Mass Spectrometry-based Structural Analysis and Systems Immunoproteomics Strategies for Deciphering the Host Response to Endotoxin. 2018 , 430, 2641-2660	18
775	Enterohemorrhagic <i>Escherichia coli</i> O157 outer membrane vesicles induce interleukin 8 production in human intestinal epithelial cells by signaling via Toll-like receptors TLR4 and TLR5 and activation of the nuclear factor NF- κ B. 2018 , 308, 882-889	26
774	Role of Deficits in Pathogen Recognition Receptors in Infection Susceptibility. 2018 , 115-131	
773	Evolution of Salmonella within Hosts. 2018 , 26, 986-998	32
772	Evaluation of the immune responses following co-administration of PilQ and type b-flagellin from <i>Pseudomonas aeruginosa</i> in the burn mouse model. 2018 , 123, 426-432	4
771	Adjuvants. 2020 , 428, 103-127	2
770	Host Genetic Signatures of Susceptibility to Fungal Disease. 2019 , 422, 237-263	13

769	Functional expression of TLR5 of different vertebrate species and diversification in intestinal pathogen recognition. 2018 , 8, 11287	9
768	The impact of motility on the localization of <i>Lactobacillus agilis</i> in the murine gastrointestinal tract. 2018 , 18, 68	3
767	Linkage of Infection to Adverse Systemic Complications: Periodontal Disease, Toll-Like Receptors, and Other Pattern Recognition Systems. 2018 , 6,	24
766	Dynamics and Control of Flagella Assembly in. 2018 , 8, 36	10
765	A c-di-GMP-Modulating Protein Regulates Swimming Motility of in Response to Arginine and Glutamate. 2018 , 8, 56	10
764	NLRC4 Inflammasome-Driven Immunogenicity of a Recombinant MVA Mucosal Vaccine Encoding Flagellin. 2017 , 8, 1988	8
763	Insight into Phosphatidylinositol-Dependent Membrane Localization of the Innate Immune Adaptor Protein Toll/Interleukin 1 Receptor Domain-Containing Adaptor Protein. 2018 , 9, 75	7
762	Innate Immunity in the Persistent Inflammation, Immunosuppression, and Catabolism Syndrome and Its Implications for Therapy. 2018 , 9, 595	81
761	Subacute toxicity evaluation of KMRC011, a Toll-like receptor-5 agonist administered by intramuscular injection to rats. 2018 , 5, 33-48	1
760	Nile tilapia fry fed on antimicrobial peptide Epinecidin-1-expressing <i>Artemia</i> cyst exhibit enhanced immunity against acute bacterial infection. 2018 , 81, 37-48	12
759	Toll-Like Receptors: Regulators of the Immune Response in the Human Gut. 2018 , 10,	89
758	Typhoidal <i>Salmonella</i> : Distinctive virulence factors and pathogenesis. 2018 , 20, e12939	60
757	KH-type splicing regulatory protein is regulated by nuclear factor- κ B signaling to mediate innate immunity in Caco-2 cells infected by <i>Salmonella enteritidis</i> . 2018 , 63, 669-676	3
756	Compositional and Functional Differences in the Human Gut Microbiome Correlate with Clinical Outcome following Infection with Wild-Type <i>Salmonella enterica</i> Serovar Typhi. 2018 , 9,	16
755	Roles of Toll-Like Receptors in Pathophysiology of Alzheimer's Disease and Multiple Sclerosis. 2018 , 541-562	2
754	Small-Molecule TLR8 Antagonists via Structure-Based Rational Design. 2018 , 25, 1286-1291.e3	23
753	Immunogenicity in African Green Monkeys of M Protein Mutant Vesicular Stomatitis Virus Vectors and Contribution of Vector-Encoded Flagellin. 2018 , 6,	1
752	WIKIM30 Ameliorates Atopic Dermatitis-Like Skin Lesions by Inducing Regulatory T Cells and Altering Gut Microbiota Structure in Mice. 2018 , 9, 1905	40

751	Novel Role of VisP and the Wzz System during O-Antigen Assembly in Salmonella enterica Serovar Typhimurium Pathogenesis. 2018 , 86,	6
750	Toll-Like Receptor Evolution in Birds: Gene Duplication, Pseudogenization, and Diversifying Selection. 2018 , 35, 2170-2184	57
749	Proteus spp. as Putative Gastrointestinal Pathogens. 2018 , 31,	51
748	Immune response to recombinant Burkholderia pseudomallei FliC. 2018 , 13, e0198906	13
747	Prophylactic efficacy of orally administered Bacillus poly-γ-glutamic acid, a non-LPS TLR4 ligand, against norovirus infection in mice. 2018 , 8, 8667	13
746	Role of Toll-like receptor mediated signaling in traumatic brain injury. 2019 , 145, 259-267	34
745	Cell Type Specific Expression of Toll-Like Receptors in Human Brains and Implications in Alzheimer's Disease. 2019 , 2019, 7420189	23
744	Multiple subtypes of TLR22 molecule from Schizothorax prenanti present the functional diversity in ligand recognition and signal activation. 2019 , 93, 986-996	4
743	Ambient pH Alters the Protein Content of Outer Membrane Vesicles, Driving Host Development in a Beneficial Symbiosis. 2019 , 201,	18
742	Dengue and Zika Virus Domain III-Flagellin Fusion and Glycan-Masking E Antigen for Prime-Boost Immunization. 2019 , 9, 4811-4826	7
741	Rubicon-Dependent Lc3 Recruitment to -Containing Phagosomes Is a Host Defense Mechanism Triggered Independently From Major Bacterial Virulence Factors. 2019 , 9, 279	10
740	Population heterogeneity tactics as driving force in Salmonella virulence and survival. 2019 , 125, 108560	4
739	Identification of a Spinal Circuit for Mechanical and Persistent Spontaneous Itch. 2019 , 103, 1135-1149.e6	42
738	Genome-wide identification and characterization of toll-like receptor genes in spotted sea bass (Lateolabrax maculatus) and their involvement in the host immune response to Vibrio harveyi infection. 2019 , 92, 782-791	18
737	TLRs in pulmonary diseases. 2019 , 233, 116671	35
736	Finding a Toll on the Route: The Fate of Osteoclast Progenitors After Toll-Like Receptor Activation. 2019 , 10, 1663	26
735	Flagellin/NLRC4 Pathway Rescues NLRP3-Inflammasome Defect in Dendritic Cells From HIV-Infected Patients: Perspective for New Adjuvant in Immunocompromised Individuals. 2019 , 10, 1291	14
734	Role of TLR4 in Sepsis. 2019 , 113-129	

733	Associations of the Fecal Microbial Proteome Composition and Proneness to Diet-induced Obesity. 2019 , 18, 1864-1879	7
732	TLR5 is a new reporter for triple-negative breast cancer indicated by radioimmunoimaging and fluorescent staining. 2019 , 23, 8305-8313	7
731	Clone, identification and functional character of two toll-like receptor 5 molecules in <i>Schizothorax prenanti</i> . 2019 , 95, 81-92	6
730	Elevated serum ceramides are linked with obesity-associated gut dysbiosis and impaired glucose metabolism. 2019 , 15, 140	9
729	The Vertebrate TLR Supergene Family Evolved Dynamically by Gene Gain/Loss and Positive Selection Revealing a Host-Pathogen Arms Race in Birds. 2019 , 11, 131	9
728	Insights into flagellar function and mechanism from the squid-vibrio symbiosis. 2019 , 5, 32	15
727	Inflammasome-mediated innate immunity in Alzheimer's disease. 2019 , 33, 13075-13084	32
726	Potential Role of Gut Microbiota in Induction and Regulation of Innate Immune Memory. 2019 , 10, 2441	88
725	Targeting Cellular and Tissue HIV Reservoirs With Toll-Like Receptor Agonists. 2019 , 10, 2450	33
724	Crystal Structure-Based Exploration of Arginine-Containing Peptide Binding in the ADP-Ribosyltransferase Domain of the Type III Effector XopAI Protein. 2019 , 20,	3
723	Effects of potential probiotic <i>Bacillus velezensis</i> K2 on growth, immunity and resistance to <i>Vibrio harveyi</i> infection of hybrid grouper (<i>Epinephelus lanceolatus</i> ? <i>E. fuscoguttatus</i> ?). 2019 , 93, 1047-1055	30
722	The N-terminal D1 domain of <i>Treponema pallidum</i> flagellin binding to TLR5 is required but not sufficient in activation of TLR5. 2019 , 23, 7490-7504	6
721	Toll-like receptors: The role in bladder cancer development, progression and immunotherapy. 2019 , 90, e12818	28
720	Infectious Threats, the Intestinal Barrier, and Its Trojan Horse: Dysbiosis. 2019 , 10, 1676	46
719	Fungal Physiology and Immunopathogenesis. 2019 ,	1
718	Transcriptome Analysis Reveals Differential Expression of Genes Regulating Hepatic Triglyceride Metabolism in Pekin Ducks During Dietary Threonine Deficiency. 2019 , 10, 710	4
717	Inflammatory Response to Different Toxins in Experimental Sepsis Models. 2019 , 20,	53
716	Toll-Like Receptors and Relevant Emerging Therapeutics with Reference to Delivery Methods. 2019 , 11,	12

715	Viewing Legionella pneumophila Pathogenesis through an Immunological Lens. 2019 , 431, 4321-4344	14
714	-derived flagellin stimulates IL-6 and IL-8 production in human bronchial epithelial cells: A potential mechanism for progression and exacerbation of COPD. 2019 , 45, 255-266	10
713	Characterization of Flagellar Filaments and Flagellin through Optical Microscopy and Label-Free Nanopore Responsiveness. 2019 , 91, 13665-13674	11
712	Spatiotemporal immune zonation of the human kidney. 2019 , 365, 1461-1466	145
711	Regulation and Molecular Mechanism of on Resistance to F18 in Weaned Piglets. 2019 , 9,	4
710	Attachment of flagellin enhances the immunostimulatory activity of a hemagglutinin-ferritin nano-cage. 2019 , 17, 223-235	6
709	CD8XCR1 Dendritic Cells Express High Levels of Toll-Like Receptor 5 and a Unique Complement of Endocytic Receptors. 2018 , 9, 2990	7
708	The expression and localization of Toll-like receptors 2, 4, 5 and 9 in the epididymis and vas deferens of a adult tom cats. 2019 , 128, 62-73	4
707	A Fusion Protein of Derp2 Allergen and Flagellin Suppresses Experimental Allergic Asthma. 2019 , 11, 254-266	4
706	Immunostimulatory Activities of CpG-Oligodeoxynucleotides in Teleosts: Toll-Like Receptors 9 and 21. 2019 , 10, 179	15
705	Oral immunization with recombinant Lactobacillus casei expressing flaB confers protection against Aeromonas veronii challenge in common carp, Cyprinus carpio. 2019 , 87, 627-637	16
704	The flagellin of candidate live biotherapeutic Enterococcus gallinarum MRx0518 is a potent immunostimulant. 2019 , 9, 801	20
703	Role of Toll-Like Receptor 5 (TLR5) in Experimental Melioidosis. 2019 , 87,	5
702	A Convenient Electrochemiluminescent Immunosensor for Detecting Methamphetamine Antibody. 2019 , 35, 875-882	4
701	Flagellin hypervariable region determines symbiotic properties of commensal Escherichia coli strains. 2019 , 17, e3000334	10
700	Roles of Toll-Like Receptors in Nitroxidative Stress in Mammals. 2019 , 8,	33
699	Adjuvant Allergen Fusion Proteins as Novel Tools for the Treatment of Type I Allergies. 2019 , 67, 273-293	2
698	Vaccination against by Use of an Attenuated Serovar Typhimurium Vector (YS1646) Protects Mice from Lethal Challenge. 2019 , 87,	2

697	Urinary Tract Infection in Diabetics. 2019 ,	3
696	Innate and Adaptive Immune Responses during Infection. 2019 , 7,	22
695	Host-Encoded Sensors of Bacteria: Our Windows into the Microbial World. 2019 , 7,	3
694	Effect of bacterial flagellin on thiamin uptake by human and mouse pancreatic acinar cells: inhibition mediated at the level of transcription of thiamin transporters 1 and 2. 2019 , 316, G735-G743	3
693	Flagellar regulation mediated by the Rcs pathway is required for virulence in the fish pathogen <i>Yersinia ruckeri</i> . 2019 , 91, 306-314	11
692	Toll-like receptor polymorphism in host immune response to infectious diseases: A review. 2019 , 90, e12771	78
691	Physical Extraction and Fast Protein Liquid Chromatography for Purifying Flagella Filament From Uropathogenic for Immune Assay. 2019 , 9, 118	4
690	Targeting strategies for chemotherapy-induced peripheral neuropathy: does gut microbiota play a role?. 2019 , 45, 369-393	17
689	The LYSIN MOTIF-CONTAINING RECEPTOR-LIKE KINASE 1 protein of banana is required for perception of pathogenic and symbiotic signals. 2019 , 223, 1530-1546	10
688	Advantages and Limitations of Integrated Flagellin Adjuvants for HIV-Based Nanoparticle B-Cell Vaccines. 2019 , 11,	7
687	<i>Borrelia burgdorferi</i> basic membrane protein A initiates proinflammatory chemokine storm in THP 1-derived macrophages via the receptors TLR1 and TLR2. 2019 , 115, 108874	2
686	NFB- and MAP-Kinase Signaling Contribute to the Activation of Murine Myeloid Dendritic Cells by a Flagellin A:Allergen Fusion Protein. 2019 , 8,	6
685	The prognostic value of toll-like receptor5 and programmed cell death-ligand1 in patients with peripheral T-cell non-Hodgkin lymphoma. 2019 , 60, 2646-2657	4
684	Toll-like receptors in the functional orientation of cardiac progenitor cells. 2019 , 234, 19451-19463	1
683	Genetic defects in fungal recognition and susceptibility to invasive pulmonary aspergillosis. 2019 , 57, S211-S218	10
682	Structural variation in the gut microbiome associates with host health. <i>Nature</i> , 2019 , 568, 43-48	50.4 133
681	The Relationship between Toll-like Receptors and -Related Gastropathies: Still a Controversial Topic. 2019 , 2019, 8197048	32
680	Food Safety in Poultry Meat Production. 2019 ,	3

679	Advances in Vaccines for Controlling Foodborne Salmonella spp. in Poultry. 2019 , 161-189	
678	Markers of Systemic Inflammation and Environmental Enteric Dysfunction Are Not Reduced by Zinc or Multivitamins in Tanzanian Infants: A Randomized, Placebo-Controlled Trial. 2019 , 210, 34-40.e1	6
677	Psychopharmacology: neuroimmune signaling in psychiatric disease-developing vaccines against abused drugs using toll-like receptor agonists. 2019 , 236, 2899-2907	2
676	Vibrio parahaemolyticus flagellin induces cytokines expression via toll-like receptor 5 pathway in orange-spotted grouper, Epinephelus coioides. 2019 , 87, 573-581	18
675	Oral Mucosal Epithelial Cells. 2019 , 10, 208	96
674	Pattern Recognition Receptors in Autoinflammation. 2019 , 61-87	2
673	A multiepitopic theoretical fusion construct based on in-silico epitope screening of known vaccine candidates for protection against wide range of enterobacterial pathogens. 2019 , 80, 493-502	1
672	Nonconservation of TLR5 activation site in Edwardsiella tarda flagellin decreases expression of interleukin-1 β and NF- κ B genes in Japanese flounder, Paralichthys olivaceus. 2019 , 87, 765-771	12
671	Pathogen Sensing: Toll-Like Receptors and NODs (Innate Immunity). 2019 ,	0
670	Rapid Bladder Interleukin-10 Synthesis in Response to Uropathogenic Escherichia coli Is Part of a Defense Strategy Triggered by the Major Bacterial Flagellar Filament FlhC and Contingent on TLR5. 2019 , 4,	10
669	Innate and Adaptive Immune Responses during Listeria monocytogenes Infection. 2019 , 803-835	
668	Transcriptome-wide association study identifies putative elicitors/suppressor of Puccinia graminis f. sp. tritici that modulate barley rpg4-mediated stem rust resistance. 2019 , 20, 985	3
667	Vaccination against the digestive enzyme Cathepsin B using a YS1646 Salmonella enterica Typhimurium vector provides almost complete protection against Schistosoma mansoni challenge in a mouse model. 2019 , 13, e0007490	9
666	Analysis of substitution rates showed that TLR5 is evolving at different rates among mammalian groups. 2019 , 19, 221	7
665	Recombinant flagellins with deletions in domains D1, D2, and D3: Characterization as novel immunoadjuvants. 2019 , 37, 652-663	10
664	Transcriptome profiles in the spleen of African catfish (Clarias gariepinus) challenged with Aeromonas veronii. 2019 , 86, 858-867	12
663	The optimized fusion protein HA1-2-FlhC Δ D2D3 promotes mixed Th1/Th2 immune responses to influenza H7N9 with low induction of systemic proinflammatory cytokines in mice. 2019 , 161, 10-19	2
662	Transcriptome analysis of spleen reveals the signal transduction of toll-like receptors after Aeromonas hydrophila infection in Schizothorax prenanti. 2019 , 84, 816-824	14

661	Importance of flagella in acute and chronic <i>Pseudomonas aeruginosa</i> infections. 2019 , 21, 883-897	15
660	Neutrophils and IL17A mediate flagellar hook protein FlgE-induced mouse acute lung inflammation. 2019 , 21, e12975	5
659	MicroRNA-155 promotes pro-inflammatory functions and augments apoptosis of monocytes/macrophages during <i>Vibrio anguillarum</i> infection in ayu, <i>Plecoglossus altivelis</i> . 2019 , 86, 70-81	17
658	The composite biological adjuvants enhance immune response of porcine circovirus type2 vaccine. 2019 , 228, 69-76	3
657	Fimbrial Protein FimH Is Involved in Expression of Proinflammatory Cytokines in a Toll-Like Receptor 4-Dependent Manner. 2019 , 87,	5
656	Studies on the Use of Flagellin as an Immunostimulant and Vaccine Adjuvant in Fish Aquaculture. 2018 , 9, 3054	29
655	Protein glycosylation: Sweet or bitter for bacterial pathogens?. 2019 , 45, 82-102	14
654	Calcineurin inhibitor Tacrolimus impairs host immune response against urinary tract infection. 2019 , 9, 106	11
653	Biological effects of the benzotriazole ultraviolet stabilizers UV-234 and UV-320 in early-staged zebrafish (<i>Danio rerio</i>). 2019 , 245, 272-281	32
652	Regulation of glucose metabolism by bioactive phytochemicals for the management of type 2 diabetes mellitus. 2019 , 59, 830-847	73
651	TLR5 silencing reduced hyperammonaemia-induced liver injury by inhibiting oxidative stress and inflammation responses via inactivating NF- κ B and MAPK signals. 2019 , 299, 102-110	8
650	Immunostimulatory effects of truncated and full-length flagellin recombinant proteins. 2019 , 127, 190-197	6
649	Hyaluronan interactions with innate immunity in lung biology. 2019 , 78-79, 84-99	24
648	Bacterial TLR4 and NOD2 signaling linked to reduced mitochondrial energy function in active inflammatory bowel disease. 2020 , 11, 350-363	6
647	Using Immunoinformatics and Structural Approaches to Design a Novel HHV8 Vaccine. 2020 , 26, 321-331	8
646	A trivalent vaccine consisting of "flagellin A+B and pilin" protects against <i>Pseudomonas aeruginosa</i> infection in a murine burn model. 2020 , 138, 103697	6
645	Innate Immunity at Mucosal Surfaces. 2020 , 101-116	
644	Multiple sclerosis, the microbiome, TLR2, and the hygiene hypothesis. 2020 , 19, 102430	22

643	Immunology. 2020 , 191-216	2
642	Developments in anticancer vaccination: budding new adjuvants. 2020 , 401, 435-446	2
641	Circadian rhythms in innate immunity and stress responses. 2020 , 161, 261-267	12
640	Evolutionary History of the Toll-Like Receptor Gene Family across Vertebrates. 2020 , 12, 3615-3634	28
639	Low innate immune-gene diversity in the critically endangered orange-bellied parrot (<i>Neophema chrysogaster</i>). 2020 , 120, 56-64	6
638	The immunogenic potential of bacterial flagella for <i>Salmonella</i> -mediated tumor therapy. 2020 , 147, 448-460	4
637	Intracellular survival and innate immune evasion of <i>Burkholderia cepacia</i> : Improved understanding of quorum sensing-controlled virulence factors, biofilm, and inhibitors. 2020 , 64, 87-98	7
636	Oral Administration of Expressing Flagellin A Protein Confers Effective Protection against in Common Carp,. 2019 , 21,	7
635	Adherent-invasive <i>Escherichia coli</i> (AIEC): Cause or consequence of inflammation, dysbiosis, and rupture of cellular joints in patients with IBD?. 2020 , 235, 5041-5049	15
634	<i>Bifidobacteria</i> cell wall-derived exo-polysaccharides, lipoteichoic acids, peptidoglycans, polar lipids and proteins - their chemical structure and biological attributes. 2020 , 147, 333-349	17
633	Screening of <i>Lactobacillus salivarius</i> strains from the feces of Chinese populations and the evaluation of their effects against intestinal inflammation in mice. 2020 , 11, 221-235	17
632	Mucins in Intestinal Mucosal Defense and Inflammation: Learning From Clinical and Experimental Studies. 2020 , 11, 2054	58
631	Dietary Emulsifiers Directly Impact Adherent-Invasive <i>E. coli</i> Gene Expression to Drive Chronic Intestinal Inflammation. 2020 , 33, 108229	22
630	Cytosolic Sensors for Pathogenic Viral and Bacterial Nucleic Acids in Fish. 2020 , 21,	5
629	Highly Immunogenic Nanoparticles Based on a Fusion Protein Comprising the M2e of Influenza A Virus and a Lipopeptide. 2020 , 12,	2
628	Rapid detection of flagellated and non-flagellated <i>Salmonella</i> by targeting the common flagellar hook gene <i>flgE</i> . 2020 , 104, 9719-9732	4
627	Toll-like receptors in mediating pathogenesis in systemic sclerosis. 2020 , 201, 14-24	13
626	A Novel Small-Molecule Inhibitor of Endosomal TLRs Reduces Inflammation and Alleviates Autoimmune Disease Symptoms in Murine Models. 2020 , 9,	5

625	Live attenuated Salmonella Typhimurium with monophosphoryl lipid A retains ability to induce T-cell and humoral immune responses against heterologous polysaccharide of Shigella flexneri 2a. 2020 , 310, 151427	1
624	Harnessing the Complete Repertoire of Conventional Dendritic Cell Functions for Cancer Immunotherapy. 2020 , 12,	11
623	Toll-Like Receptor Agonists as Adjuvants for Allergen Immunotherapy. 2020 , 11, 599083	20
622	Innate immune responses in RNA viral infection. 2021 , 15, 333-346	2
621	Identification and Expression Analysis of Long Non-coding RNA in Large Yellow Croaker () in Response to Infection. 2020 , 11, 590475	3
620	Construction and Loss of Bacterial Flagellar Filaments. 2020 , 10,	5
619	Lactobacillus rhamnosus GG promotes M1 polarization in murine bone marrow-derived macrophages by activating TLR2/MyD88/MAPK signaling pathway. 2020 , 91, e13439	9
618	In vitro CK108 Transcriptome Profiles with Subinhibitory Concentrations of Phenol and Formalin Reveal New Insights into Bacterial Pathogenesis Mechanisms. 2020 , 8,	2
617	Molecular mechanisms activating the NAIP-NLRC4 inflammasome: Implications in infectious disease, autoinflammation, and cancer. 2020 , 297, 67-82	17
616	Toll-like receptor immune modulatory role in personalized management of colorectal cancer, review of literature. 2020 , 5, 455-468	
615	Immunopathogenesis of Salmonellosis. 2020 ,	1
614	Vaccination Strategies Against Highly Variable Pathogens. 2020 ,	
613	Toll-Like Receptor Signaling in Depression. 2020 , 121, 104843	14
612	Caspase-11 Non-canonical Inflammasomes in the Lung. 2020 , 11, 1895	9
611	TLR5 activation in hepatocytes alleviates the functional suppression of intrahepatic CD8 T cells. 2020 , 161, 325-344	6
610	Toll-Like Receptor 5 of Golden Pompano (Linnaeus 1758): Characterization, Promoter Activity and Functional Analysis. 2020 , 21,	7
609	Activation of Toll-like receptor 5 in microglia modulates their function and triggers neuronal injury. 2020 , 8, 159	8
608	A molecular roadmap to the plant immune system. 2020 , 295, 14916-14935	33

607	YdiV regulates Escherichia coli ferric uptake by manipulating the DNA-binding ability of Fur in a SlyD-dependent manner. 2020 , 48, 9571-9588	6
606	Modulating the Tumour Microenvironment by Intratumoural Injection of Pattern Recognition Receptor Agonists. 2020 , 12,	7
605	MogR Is a Ubiquitous Transcriptional Repressor Affecting Motility, Biofilm Formation and Virulence in. 2020 , 11, 610650	4
604	Functional divergence of flagellar type III secretion system: A case study in a non-flagellated, predatory bacterium. 2020 , 18, 3368-3376	3
603	O-specific polysaccharide structure isolated from the LPS of the Antarctic bacterium Pseudomonas ANT_J38B. 2020 , 497, 108125	0
602	Recent advances in self-adjuvanting glycoconjugate vaccines.. 2020 , 37, 61-71	5
601	Outer membrane vesicle vaccines. 2020 , 50, 101433	35
600	Impact of Microbiota: A Paradigm for Evolving Herd Immunity against Viral Diseases. 2020 , 12,	5
599	Role of Viral Infections in the Pathogenesis of Sjögren's Syndrome: Different Characteristics of Epstein-Barr Virus and HTLV-1. 2020 , 9,	13
598	PTX3 Predicts Myocardial Damage and Fibrosis in Duchenne Muscular Dystrophy. 2020 , 11, 403	3
597	Chitosan-adjuvanted Salmonella subunit nanoparticle vaccine for poultry delivered through drinking water and feed. 2020 , 243, 116434	21
596	Pathogenic Biohacking: Induction, Modulation and Subversion of Host Transcriptional Responses by. 2020 , 12,	2
595	Mucus blocks probiotics but increases penetration of motile pathogens and induces TNF- α and IL-8 secretion. 2020 , 117, 2540-2555	2
594	Escherichiacoli-Specific CD4+ T Cells Have Public T-Cell Receptors and Low Interleukin 10 Production in Crohn's Disease. 2020 , 10, 507-526	2
593	Adjuvant Effect of Toll-Like Receptor 9 Activation on Cancer Immunotherapy Using Checkpoint Blockade. 2020 , 11, 1075	16
592	Lipocalin2 Induced by Bacterial Flagellin Protects Mice against Cyclophosphamide Mediated Neutropenic Sepsis. 2020 , 8,	2
591	Transcriptome analysis reveals seven key immune pathways of Japanese flounder (Paralichthys olivaceus) involved in megalocytivirus infection. 2020 , 103, 150-158	6
590	Host-Encoded Sensors of Bacteria. 2020 , 277-286	

589	Heterogeneously Expresses Flagellin during Colonization of Plants. 2020 , 8,	7
588	N-terminus of Flagellin Fused to an Antigen Improves Vaccine Efficacy against Infection in Chickens. 2020 , 8,	4
587	Implication of cAMP in Regulation of Hydrogen Peroxide Level in Pea Seedling Roots under Biotic Stress. 2020 , 67, 435-442	0
586	Crystal Structure of Flagellar Export Chaperone FliS in Complex With Flagellin and HP1076 of. 2020 , 11, 787	4
585	Subluminal Focal Lesions in Peyer's Patches in the Terminal Ileum of Pigs Fed With Different Physical Forms of One Same Diet. 2020 , 7, 207	4
584	The function and clinical application of extracellular vesicles in innate immune regulation. 2020 , 17, 323-334	85
583	Protective Immunity in Mice Immunized With MSP1-Based Formulations and Challenged With Expressing MSP1. 2020 , 11, 28	3
582	Toll-like Receptors and the Control of Immunity. 2020 , 180, 1044-1066	389
581	Inflammation in acquired hydrocephalus: pathogenic mechanisms and therapeutic targets. 2020 , 16, 285-296	44
580	Convergent Losses of TLR5 Suggest Altered Extracellular Flagellin Detection in Four Mammalian Lineages. 2020 , 37, 1847-1854	16
579	Respiratory microbiome and epithelial interactions shape immunity in the lungs. 2020 , 160, 171-182	50
578	Small-Molecule Modulators of Toll-like Receptors. 2020 , 53, 1046-1055	46
577	Phylogenetic Distribution, Ultrastructure, and Function of Bacterial Flagellar Sheaths. 2020 , 10,	9
576	The Role of Danger Associated Molecular Patterns in Human Fetal Membrane Weakening. 2020 , 11, 602	7
575	Atomic structure of the flagellar filament reveals how Proteobacteria escaped Toll-like receptor 5 surveillance. 2020 , 117, 16985-16991	16
574	OMV Vaccines and the Role of TLR Agonists in Immune Response. 2020 , 21,	41
573	Biological Activity of Porcine Gastric Mucin on Stress Resistance and Immunomodulation. 2020 , 25,	3
572	Characterisation and functional analysis of canine TLR5. 2020 , 26, 451-458	1

571	Avian Pattern Recognition Receptor Sensing and Signaling. 2020 , 7,	12
570	Surface components and metabolites of probiotics for regulation of intestinal epithelial barrier. 2020 , 19, 23	80
569	Engineering repeat proteins of the immune system. 2020 , 111, e23348	0
568	Integrative analysis suggests cell type-specific decoding of NF- κ B dynamics. 2020 , 13,	11
567	Comparative genomic analysis of <i>Proteus</i> spp. isolated from tree shrews indicated unexpectedly high genetic diversity. 2020 , 15, e0229125	7
566	Effect of Carotenoids, Oligosaccharides and Anthocyanins on Growth Performance, Immunological Parameters and Intestinal Morphology in Broiler Chickens Challenged with Lipopolysaccharide. 2020 , 10,	11
565	The Crosstalk Between Hippo-YAP Pathway and Innate Immunity. 2020 , 11, 323	23
564	Pattern recognition receptors as potential drug targets in inflammatory disorders. 2020 , 119, 65-109	13
563	The Role of Toll-like Receptors in Atherothrombotic Cardiovascular Disease. 2020 , 3, 457-471	12
562	FlhF regulates the number and configuration of periplasmic flagella in <i>Borrelia burgdorferi</i> . 2020 , 113, 1122-1139	8
561	Comparative Transcriptome Analysis Provides Insights into the Polyunsaturated Fatty Acid Synthesis Regulation of Transgenic Sheep. 2020 , 21,	2
560	Perception of <i>Agrobacterium tumefaciens</i> flagellin by FLS2 confers resistance to crown gall disease. 2020 , 6, 22-27	18
559	A Screen for Antibiotic Resistance Determinants Reveals a Fitness Cost of the Flagellum in <i>Pseudomonas aeruginosa</i> . 2020 , 202,	5
558	cDC1 IL-27p28 Production Predicts Vaccine-Elicited CD8 T Cell Memory and Protective Immunity. 2020 , 204, 510-517	9
557	Susceptibility of aging mice to listeriosis: Role of anti-inflammatory responses with enhanced Treg-cell expression of CD39/CD73 and Th-17 cells. 2020 , 310, 151397	9
556	TRIM25 and its emerging RNA-binding roles in antiviral defense. 2020 , 11, e1588	16
555	Crude polysaccharides from the seeds of <i>Vaccaria segetalis</i> prevent the urinary tract infection through the stimulation of kidney innate immunity. 2020 , 260, 112578	2
554	Toll-like receptors: exploring their potential connection with post-operative infectious complications and cancer recurrence. 2020 , 37, 225-239	4

553	The Flagellar Gene Regulates Biofilm Formation and Mussel Larval Settlement and Metamorphosis. 2020 , 21,	10
552	Glycine significantly enhances bacterial membrane vesicle production: a powerful approach for isolation of LPS-reduced membrane vesicles of probiotic Escherichia coli. 2020 , 13, 1162-1178	9
551	The Dynll1-Cox4i1 Complex Regulates Intracellular Pathogen Clearance via Release of Mitochondrial Reactive Oxygen Species. 2020 , 88,	5
550	Harnessing innate immunity to eliminate SARS-CoV-2 and ameliorate COVID-19 disease. 2020 , 52, 217-221	56
549	Rationally Designed Small-Molecule Inhibitors Targeting an Unconventional Pocket on the TLR8 Protein-Protein Interface. 2020 , 63, 4117-4132	10
548	Live-cell fluorescence imaging reveals dynamic production and loss of bacterial flagella. 2020 , 114, 279-291	13
547	Pseudomonas syringae AlgU Downregulates Flagellin Gene Expression, Helping Evade Plant Immunity. 2020 , 202,	9
546	Immunomodulation of Avian Dendritic Cells under the Induction of Prebiotics. 2020 , 10,	4
545	Improving immunogenicity and safety of flagellin as vaccine carrier by high-density display on virus-like particle surface. 2020 , 249, 120030	9
544	Innate Activation of IFN- β -iNOS Axis During Infection With Represses the Ability of T Cells to Produce IL-2. 2020 , 11, 514	6
543	Out-Smarting the Host: Bacteria Maneuvering the Immune Response to Favor Their Survival. 2020 , 11, 819	5
542	Inflammasomes as Targets for Adjuvants. 2020 , 9,	11
541	Chitin perception in plasmodesmata characterizes submembrane immune-signaling specificity in plants. 2020 , 117, 9621-9629	27
540	Systems Biological Analysis of Immune Response to Influenza Vaccination. 2021 , 11,	5
539	Entolimod as a radiation countermeasure for acute radiation syndrome. 2021 , 26, 17-30	9
538	Role of astroglial toll-like receptors (TLRs) in central nervous system infections, injury and neurodegenerative diseases. 2021 , 91, 740-755	43
537	Impact of HIV infection on aging and immune status. 2021 , 19, 719-731	1
536	Mechanisms of microbial-neuronal interactions in pain and nociception. 2021 , 9, 100056	8

535	Structural biology of plant defence. 2021 , 229, 692-711	6
534	Receptors in the Induction of the Plant Innate Immunity. 2021 , 34, 587-601	5
533	Immunologically programming the tumor microenvironment induces the pattern recognition receptor NLRC4-dependent antitumor immunity. 2021 , 9,	1
532	Adjuvantation of Influenza Vaccines to Induce Cross-Protective Immunity. 2021 , 9,	6
531	How to Move from Cell to Cell without Leaving the Intracellular Space: Lessons from Intracellular Parasites. 2021 , 36, 1-9	
530	Downregulation of a novel flagellar synthesis regulator AsiR promotes intracellular replication and systemic pathogenicity of typhimurium. 2021 , 12, 298-311	0
529	Glycoconjugates for Adjuvants and Self-Adjuvanting Vaccines. 2021 , 166-184	
528	An Evolutionary Arms Race Between and Host Immune System: What Do We Know?. 2020 , 11, 612568	4
527	Brain Infections, Encephalitis, and Meningitis: Bacteria. 2021 ,	
526	Effects of Dietary Brown Rice on the Growth Performance, Systemic Oxidative Status, and Splenic Inflammatory Responses of Broiler Chickens under Chronic Heat Stress. 2021 , 58, 154-162	0
525	Modulation of Bacterial Fitness and Virulence Through Antisense RNAs. 2020 , 10, 596277	2
524	Human Genetic Variation Influences Enteric Fever Progression. 2021 , 10,	2
523	Outdoor Atmospheric Microbial Diversity Is Associated With Urban Landscape Structure and Differs From Indoor-Transit Systems as Revealed by Mobile Monitoring and Three-Dimensional Spatial Analysis. 2021 , 9,	8
522	The role of mucin 1 in respiratory diseases. 2021 , 30,	7
521	Escherichia coli Genomic Diversity within Extraintestinal Acute Infections Argues for Adaptive Evolution at Play. 2021 , 6,	1
520	Reciprocal Packaging of the Main Structural Proteins of Type 1 Fimbriae and Flagella in the Outer Membrane Vesicles of "Wild Type" Strains. 2021 , 12, 557455	2
519	Immune Responses to Biofilm Infections. 2021 , 12, 625597	18
518	Do size and shape matter? Exploring the interactions and the metabolome of the soil isolate Hylemonella gracilis.	

517	Flagellin From Stimulates ATB Transporter for Arginine and Neutral Amino Acids in Human Airway Epithelial Cells. 2021 , 12, 641563	2
516	Epigenetic Lens to Visualize the Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) Infection in COVID-19 Pandemic. 2021 , 12, 581726	14
515	Flagellin/TLR5 Stimulate Myeloid Progenitors to Enter Lung Tissue and to Locally Differentiate Into Macrophages. 2021 , 12, 621665	0
514	Protein N-myristoylation: functions and mechanisms in control of innate immunity. 2021 , 18, 878-888	8
513	A Salmonella Typhi RNA thermosensor regulates virulence factors and innate immune evasion in response to host temperature. 2021 , 17, e1009345	9
512	Toll-like receptor 5 knock-out mice exhibit a specific low level of anxiety. 2021 , 93, 226-237	1
511	Phagocytosis of microparticles increases responsiveness of macrophage-like cell lines U937 and THP-1 to bacterial lipopolysaccharide and lipopeptide. 2021 , 11, 6782	1
510	BKN88 possesses thermo-/acid-stable heteropolymeric flagellar filaments. 2021 , 167,	1
509	Innate Immune Response as a New Challenge in Periodontal Inflammation.	
508	Enteric Fever Diagnosis: Current Challenges and Future Directions. 2021 , 10,	5
507	Probiotic Bacillus subtilis 29,784 improved weight gain and enhanced gut health status of broilers under necrotic enteritis condition. 2021 , 100, 100981	7
506	Targeting Toll-Like Receptors in Sepsis: From Bench to Clinical Trials. 2021 , 35, 1324-1339	5
505	Bioengineered bacteria-derived outer membrane vesicles as a versatile antigen display platform for tumor vaccination via Plug-and-Display technology. 2021 , 12, 2041	53
504	Toll-Like Receptors Gene Polymorphisms in Autoimmune Disease. 2021 , 12, 672346	5
503	Dysregulated Immunity and Immunotherapy after Sepsis. 2021 , 10,	5
502	Multifunctional Immunoadjuvants for Use in Minimalist Nucleic Acid Vaccines. 2021 , 13,	4
501	Skin vaccination with dissolvable microneedle patches incorporating influenza neuraminidase and flagellin protein nanoparticles induces broad immune protection against multiple influenza viruses. 2021 , 4, 4953-4961	4
500	Unilateral facial injection of Botulinum neurotoxin A attenuates bilateral trigeminal neuropathic pain and anxiety-like behaviors through inhibition of TLR2-mediated neuroinflammation in mice. 2021 , 22, 38	5

499	Toll9 from functions as a pattern recognition receptor that shares features with Toll-like receptor 4 from mammals. 2021 , 118,	4
498	flagella confer anti-tumor immunological effect activating Flagellin/TLR5 signalling within tumor microenvironment. 2021 , 11, 3165-3177	5
497	The LRR-TM protein PAN-1 interacts with MYRF to promote its nuclear translocation in synaptic remodeling. 2021 , 10,	0
496	TLR5-Mediated Reactivation of Quiescent Ranavirus FV3 in Peritoneal Macrophages. 2021 , 95,	2
495	Anesthetics isoflurane and sevoflurane attenuate flagellin-mediated inflammation in the lung. 2021 , 557, 254-260	3
494	Sialic Acids as Receptors for Pathogens. 2021 , 11,	5
493	Molecular Basis for the Activation of Human Innate Immune Response by the Flagellin Derived from Plant-Pathogenic Bacterium,. 2021 , 22,	0
492	Toll-like receptor 5 and 8 in hepatocellular carcinoma. 2021 , 129, 470-479	1
491	Evolution of TLR5. 2, 1-8	
490	Contribution of the microbiota and their secretory products to inflammation and colorectal cancer pathogenesis: the role of toll-like receptors. 2021 , 42, 1133-1142	4
489	Feeding olive flounder (<i>Paralichthys olivaceus</i>) with <i>Lactococcus lactis</i> BFE920 expressing the fusion antigen of <i>Vibrio</i> OmpK and FlaB provides protection against multiple <i>Vibrio</i> pathogens: A universal vaccine effect. 2021 , 114, 253-262	2
488	Links between fecal microbiota and the response to vaccination against influenza A virus in pigs. 2021 , 6, 92	3
487	Bacterial Flagellar Filament: A Supramolecular Multifunctional Nanostructure. 2021 , 22,	6
486	Respiratory Viral and Bacterial Factors That Influence Early Childhood Asthma.. 2021 , 2, 692841	2
485	The Role of Microbiota in the Pathogenesis of Esophageal Adenocarcinoma. 2021 , 10,	1
484	Toll-Like Receptors: Expression and Roles in Otitis Media. 2021 , 22,	1
483	Highly stable selenium nanoparticles: Assembly and stabilization via flagellin FliC and porin OmpF in <i>Rahnella aquatilis</i> HX2. 2021 , 414, 125545	0
482	Involvement of Probiotics and Postbiotics in the Immune System Modulation. 2021 , 1, 89-110	18

481	Activation and Evasion of Innate Immunity by Gammaherpesviruses. 2021 , 167214	3
480	How the PhoP/PhoQ System Controls Virulence and Mg Homeostasis: Lessons in Signal Transduction, Pathogenesis, Physiology, and Evolution. 2021 , 85, e0017620	7
479	Behavioral and physiological responses to peripheral injection of flagellin in chicks. 2021 , 237, 113433	2
478	Foundational concepts in the biology of bacterial keratitis. 2021 , 209, 108647	6
477	Circadian Rhythm Modulation of Microbes During Health and Infection. 2021 , 12, 721004	2
476	Evolutionary dynamics of multidrug resistant Salmonella enterica serovar 4,[5],12:i:- in Australia. 2021 , 12, 4786	4
475	Corals and Sponges Under the Light of the Holobiont Concept: How Microbiomes Underpin Our Understanding of Marine Ecosystems. 2021 , 8,	3
474	LPS/TLR4 pathways in breast cancer: insights into cell signalling. 2021 ,	1
473	Toll-like receptors, environmental caging, and lung dysbiosis. 2021 , 321, L404-L415	1
472	The Potential of Toll-Like Receptors to Modulate Avian Immune System: Exploring the Effects of Genetic Variants and Phytonutrients. 2021 , 12, 671235	3
471	MyD88 is an essential regulator of NK cell-mediated clearance of MCMV infection. 2021 , 137, 94-104	0
470	The expression and activity of Toll-like receptors in the preimplantation human embryo suggest a new role for innate immunity. 2021 , 36, 2661-2675	0
469	Intercrypt sentinel macrophages tune antibacterial NF- κ B responses in gut epithelial cells via TNF. 2021 , 218,	3
468	The Yin and Yang of Type I IFNs in Cancer Promotion and Immune Activation. 2021 , 10,	0
467	Deimmunization of flagellin for repeated administration as a vaccine adjuvant. 2021 , 6, 116	0
466	Recent advances in immunotherapy, immunoadjuvant, and nanomaterial-based combination immunotherapy. 2021 , 442, 214009	6
465	Pattern recognition receptors as therapeutic targets for bacterial, viral and fungal sepsis. 2021 , 98, 107909	1
464	Interplay and cooperation of Helicobacter pylori and gut microbiota in gastric carcinogenesis. 2021 , 21, 258	2

463	Dietary intake of bamboo vinegar and charcoal powder (BVC) enhances resistance of African catfish <i>Clarias gariepinus</i> to bacterial pathogen. 1	0
462	Inflammatory and Microbiota-Related Regulation of the Intestinal Epithelial Barrier. 2021 , 8, 718356	17
461	Design and Computational Analysis of a Chimeric Avian Influenza Antigen: A Yeast-displayed, Universal and Cross-protective Vaccine Candidate.	
460	sEH promotes macrophage phagocytosis and lung clearance of <i>Streptococcus pneumoniae</i> . 2021 , 131,	2
459	Combining of transcriptomic and proteomic data to mine immune-related genes and proteins in the liver of <i>Cynoglossus semilaevis</i> challenged with <i>Vibrio anguillarum</i> . 2021 , 39, 100864	3
458	Toll-Like Receptors (TLRs): Structure, Functions, Signaling, and Role of Their Polymorphisms in Colorectal Cancer Susceptibility. 2021 , 2021, 1157023	13
457	Bacteria-based immune therapies for cancer treatment. 2021 ,	0
456	A novel inactivated whole-cell <i>Pseudomonas aeruginosa</i> vaccine that acts through the cGAS-STING pathway. 2021 , 6, 353	2
455	The Flagellin:Allergen Fusion Protein rFlaA:Betv1 Induces a MyD88- and MAPK-Dependent Activation of Glucose Metabolism in Macrophages. 2021 , 10,	1
454	Virulence Factors of <i>Salmonella Typhi</i> .	
453	How to move from cell to cell without leaving the intracellular space: lessons from intracellular parasites. 2021 , 39, 3	
452	Silent control: microbial plant pathogens evade host immunity without coding sequence changes. 2021 , 45,	2
451	Single Cell Analysis of Bistable Expression of Pathogenicity Island 1 and the Flagellar Regulon in. 2021 , 9,	3
450	Listeria. 167-187	5
449	Severe Sepsis and Septic Shock. 2008 , 287-304	1
448	Fine-Tuning of Symbiotic Genes in Rhizobia: Flavonoid Signal Transduction Cascade. 2008 , 117-152	2
447	Role of TLR Polymorphisms in Immunosenescence. 2009 , 659-671	1
446	Immune Signatures and Systems Biology of Vaccines. 2011 , 141-167	1

445	Life in the Rhizosphere. 2004 , 403-430	40
444	Laboratory Evaluation Including Novel Diagnostic Markers of Inflammatory Bowel Disease. 2012 , 277-285	1
443	Toll-Like Receptors: Ligands, Cell-Based Models, and Readouts for Receptor Action. 2016 , 1390, 3-27	15
442	Pathology of Human Endothelium in Septic Organ Failure. 2006 , 161-192	2
441	Gene expression profiling of dendritic cells by microarray. 2007 , 380, 215-24	6
440	Analysis of the functional role of Toll-like receptor-4 tyrosine phosphorylation. 2009 , 517, 145-67	1
439	Experimental models of acute infection and Toll-like receptor driven septic shock. 2009 , 517, 313-27	3
438	Ligands, cell-based models, and readouts required for Toll-like receptor action. 2009 , 517, 15-32	5
437	Pyrosequencing of toll-like receptor polymorphisms of functional relevance. 2009 , 496, 73-87	6
436	Mammalian Host Defenses: Innate and Adaptive Immunity. 2009 , 577-626	1
435	Infection and the Kidney. 2011 , 293-304	2
434	Visualising PAMP-PRR interactions using nanoscale imaging. 2012 , 799, 253-66	7
433	The Immunology of Acne. 2008 , 217-222	1
432	Phage Interaction with the Mammalian Immune System. 2019 , 91-122	1
431	Serine and Cysteine Proteases and Their Inhibitors as Antimicrobial Agents and Immune Modulators. 2011 , 27-50	3
430	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. 2013 , 1-25	2
429	Genetics in the Prevention and Treatment of Sepsis. 2017 , 237-264	1
428	Encyclopedia of Signaling Molecules. 2018 , 5484-5492	1

427	Helicobacter pylori: Immune Responses and Gastric Autoimmunity. 2018 , 87-96	1
426	Genetic analysis of resistance to infections in mice: A/J meets C57BL/6J. 2008 , 321, 27-57	19
425	Bacterial System for Alginate Uptake and Degradation. 2009 , 73-94	4
424	MyD88 as a bottle neck in Toll/IL-1 signaling. 2002 , 270, 155-67	109
423	Signal Transduction Pathways Activated by the IL-1 Receptor/Toll-Like Receptor Superfamily. 2002 , 47-61	64
422	Toll-like receptors and their ligands. 2002 , 270, 81-92	196
421	Toll-like receptor-5 and the innate immune response to bacterial flagellin. 2002 , 270, 93-108	51
420	Bacterial CpG-DNA licenses TLR9. 2002 , 270, 145-54	47
419	Itch control by Toll-like receptors. 2015 , 226, 135-50	15
418	Aging of the Immune System Across Different Species. 2010 , 353-376	4
417	TLR Agonists as Vaccine Adjuvants. 2012 , 205-228	4
416	Infection and atherosclerosis: TLR-dependent pathways. 2020 , 77, 2751-2769	40
415	Flagellin FljB as an adjuvant to the recombinant adenovirus rabies glycoprotein vaccine increases immune responses against rabies in mice. 2017 , 162, 2655-2665	3
414	Immunology of the Upper Airway and Pathophysiology and Treatment of Allergic Rhinitis. 2010 , 597-623	2
413	Enterobacteriaceae. 2010 , 2815-2833	13
412	Molecular Diagnosis of the Lymphomas by Gene Expression Profiling. 2006 , 110-126	1
411	CpG oligodeoxynucleotides as vaccine adjuvants. 2006 , 73-92	3
410	Mucosal Immunity to Bacteria. 2005 , 783-797	7

409	Immunologic Development and Susceptibility to Infection. 2012 , 83-90.e5	1
408	Proteomic analysis of murine macrophages mitochondria and lysosomes reveal Cathepsin D as a potential broad-spectrum antimicrobial protein. 2020 , 223, 103821	8
407	Parenteral immunization of Salmonella Typhimurium ghosts with surface-displayed Escherichia coli flagellin enhances TLR-5 mediated activation of immune responses that protect the chicken against Salmonella infection. 2020 , 147, 104252	5
406	Salmonella enterica serovar Enteritidis ghosts displaying a surface FljC adjuvant elicit a robust immune response and effective protection against virulent challenge. 2020 , 243, 108633	3
405	Mechanisms of immunity to Salmonella infections. 207-254	1
404	Interactions of S. enterica with phagocytic cells. 255-278	2
403	Bacterial lipopolysaccharide induces increased expression of toll-like receptor (TLR) 4 and downstream TLR signaling molecules in bovine mammary epithelial cells. 2008 , 39, 11	100
402	Regulation of epidermal growth factor receptor expression and morphology of lung epithelial cells by interleukin-1 β 2020 , 168, 113-123	2
401	Synaptic Dynamics of the Feed-forward Inhibitory Circuitry Gating Mechanical Allodynia in Mice. 2020 , 132, 1212-1228	5
400	Small RNA Esr41 inversely regulates expression of LEE and flagellar genes in enterohaemorrhagic Escherichia coli. 2018 , 164, 821-834	8
399	Comparative analysis of immunological properties of S-layer proteins isolated from Lactobacillus strains. 2019 , 165, 188-196	10
398	Genetic, transcriptome, proteomic and epidemiological evidence for blood brain barrier disruption and polymicrobial brain invasion as determinant factors in Alzheimer's disease.	2
397	Bacterial flagella disrupt host cell membranes and interact with cytoskeletal components.	2
396	MogR is a ubiquitous transcriptional repressor affecting motility, biofilm formation and virulence in Bacillus thuringiensis.	1
395	Chitin perception in plasmodesmata identifies subcellular, context-specific immune signalling in plants.	2
394	Dynamic production and loss of flagellar filaments during the bacterial life cycle.	2
393	A comparative and functional genomics analysis of the genus Romboutsia provides insight into adaptation to an intestinal lifestyle.	10
392	Plant Receptor-Like Kinase Gene Family: Diversity, Function, and Signaling. 2001 , 2001, re22-re22	15

391	The Interleukin-1 Receptor/Toll-Like Receptor Superfamily: Signal Transduction During Inflammation and Host Defense. 2003 , 2003, re3-re3	43
390	Induction of Host Immune Responses Using Salmonella-Vectored Vaccines. 2007 , 297-313	16
389	Role of Flagella in Mucosal Colonization. 213-235	5
388	Receptor-Mediated Recognition of Mycobacterium tuberculosis by Host Cells. 2005 , 405-426	16
387	Toll-Like Receptors: Ligands and Signaling. 255-270	3
386	Upregulation of Innate Defense Mechanisms by Enteric Infections. 155-174	1
385	Salmonella spp.: Masters of Inflammation. 439-453	2
384	Role of Toll-Like Receptors in Innate Immunity of the Intestine. 79-94	1
383	Differential roles of Toll-like receptors in the elicitation of proinflammatory responses by macrophages. 2001 , 60 Suppl 3, iii6-12	45
382	Efficacy of intracellular immune checkpoint-silenced DC vaccine. 2018 , 3,	18
381	Toll-like receptor-dependent production of IL-12p40 causes chronic enterocolitis in myeloid cell-specific Stat3-deficient mice. 2003 , 111, 1297-308	197
380	Bacterial flagellin is a dominant antigen in Crohn disease. 2004 , 113, 1296-306	290
379	Human lupus autoantibody-DNA complexes activate DCs through cooperation of CD32 and TLR9. 2005 , 115, 407-17	612
378	Activation of inflammasome signaling mediates pathology of acute P. aeruginosa pneumonia. 2013 , 123, 1630-7	162
377	Toll-like receptor 4-mediated activation of murine mast cells. 2001 , 70, 977-984	34
376	Toll-like receptor 9 mediates CpG-DNA signaling. 2002 , 71, 538-544	44
375	Biocontrol of Plant Pathogens. 2007 , 267-296	9
374	Innate Immunity. 2008 , 397-426	1

- 373 Toll-like receptor and its roles in myocardial ischemic/reperfusion injury. **2011**, 17, RA100-9 22
- 372 The flagellum of *Pseudomonas aeruginosa* is required for resistance to clearance by surfactant protein A. **2007**, 2, e564 32
- 371 Induction of IgG3 to LPS via Toll-like receptor 4 co-stimulation. **2008**, 3, e3509 28
- 370 *Pseudomonas aeruginosa* LPS or flagellin are sufficient to activate TLR-dependent signaling in murine alveolar macrophages and airway epithelial cells. **2009**, 4, e7259 119
- 369 Toll-like receptor mRNA expression is selectively increased in the colonic mucosa of two animal models relevant to irritable bowel syndrome. **2009**, 4, e8226 54
- 368 Bacterial flagellin triggers cardiac innate immune responses and acute contractile dysfunction. **2010**, 5, e12687 28
- 367 Deciphering the role of RND efflux transporters in *Burkholderia cenocepacia*. **2011**, 6, e18902 57
- 366 Toll-like receptor ligands induce expression of the costimulatory molecule CD155 on antigen-presenting cells. **2013**, 8, e54406 45
- 365 Epithelial uptake of flagella initiates proinflammatory signaling. **2013**, 8, e59932 16
- 364 High-throughput system for the presentation of secreted and surface-exposed proteins from Gram-positive bacteria in functional metagenomics studies. **2013**, 8, e65956 13
- 363 The adjuvant activity of alphavirus replicons is enhanced by incorporating the microbial molecule flagellin into the replicon. **2013**, 8, e65964 11
- 362 Innate immune receptors in human airway smooth muscle cells: activation by TLR1/2, TLR3, TLR4, TLR7 and NOD1 agonists. **2013**, 8, e68701 37
- 361 Pro-inflammatory flagellin proteins of prevalent motile commensal bacteria are variably abundant in the intestinal microbiome of elderly humans. **2013**, 8, e68919 30
- 360 Transgenic mouse model harboring the transcriptional fusion ccl20-luciferase as a novel reporter of pro-inflammatory response. **2013**, 8, e78447 9
- 359 A flagellin-derived toll-like receptor 5 agonist stimulates cytotoxic lymphocyte-mediated tumor immunity. **2014**, 9, e85587 42
- 358 The impact of simvastatin on pulmonary effectors of *Pseudomonas aeruginosa* infection. **2014**, 9, e102200 6
- 357 Immunopotential of Different Adjuvants on Humoral and Cellular Immune Responses Induced by HA1-2 Subunit Vaccines of H7N9 Influenza in Mice. **2016**, 11, e0150678 15
- 356 Functional Comparison of Bacteria from the Human Gut and Closely Related Non-Gut Bacteria Reveals the Importance of Conjugation and a Paucity of Motility and Chemotaxis Functions in the Gut Environment. **2016**, 11, e0159030 7

355	Association of TLR variants with susceptibility to Plasmodium vivax malaria and parasitemia in the Amazon region of Brazil. 2017 , 12, e0183840	13
354	Serum anti-flagellin and anti-lipopolysaccharide immunoglobulins as predictors of linear growth faltering in Pakistani infants at risk for environmental enteric dysfunction. 2018 , 13, e0193768	9
353	A Novel Toll-Like Receptor (TLR) Influences Compatibility between the Gastropod Biomphalaria glabrata, and the Digenean Trematode Schistosoma mansoni. 2016 , 12, e1005513	49
352	Swimming Motility Mediates the Formation of Neutrophil Extracellular Traps Induced by Flagellated Pseudomonas aeruginosa. 2016 , 12, e1005987	50
351	Flagellin-Stimulated Production of Interferon- γ Promotes Anti-Flagellin IgG2c and IgA Responses. 2020 , 43, 251-263	3
350	[The role of modification of innate immunity in development of premature labore]. 2018 , 64, 439-443	1
349	Genetic variations of TLR5 gene interacted with Helicobacter pylori infection among carcinogenesis of gastric cancer. 2017 , 8, 31016-31022	13
348	Checkpoint blockade inhibitors enhances the effectiveness of a α -based melanoma vaccine. 2020 , 11, 740-754	1
347	Attacking tumor cells with a dual ligand for innate immune receptors. 2012 , 3, 361-2	4
346	CBLB502 administration protects gut mucosal tissue in ulcerative colitis by inhibiting inflammation. 2016 , 4, 301	12
345	Dysregulated Chemokine Signaling in Cystic Fibrosis Lung Disease: A Potential Therapeutic Target. 2016 , 17, 1535-44	12
344	Stimulation of human CD4 ⁺ T lymphocytes via TLR3, TLR5 and TLR7/8 up-regulates expression of costimulatory and modulates proliferation. 2009 , 3, 1-8	15
343	The Effect of Estradiol and Progesterone on Toll Like Receptor Gene Expression in A Human Fallopian Tube Epithelial Cell Line. 2016 , 17, 678-91	15
342	Toll like receptor 5 ligand induces monocyte chemoattractant protein-1 in mouse osteoblastic cells. 2012 , 33, 39-44	4
341	Innate immunity in the pathogenesis of acne vulgaris. 2011 , 12-27	3
340	Association of toll-like receptor 5 gene polymorphism with susceptibility to ossification of the posterior longitudinal ligament of the spine in korean population. 2011 , 49, 8-12	13
339	Characterization of genetic variation and basis of inflammatory bowel disease in the Toll-like receptor 5 gene of the red wolf and the maned wolf. 2017 , 32, 135-144	4
338	Current status of antisense RNA-mediated gene regulation in Listeria monocytogenes. 2014 , 4, 135	8

337	Novel susceptibility genes in inflammatory bowel disease. 2006 , 12, 1991-9	21
336	Role of Toll-like receptors in health and diseases of gastrointestinal tract. 2006 , 12, 2149-60	81
335	Novel genetic markers in inflammatory bowel disease. 2007 , 13, 5560-70	51
334	Antiviral immune mechanism of Toll-like receptor 4-mediated human alveolar epithelial cells type II. 2020 , 20, 2561-2568	0
333	Immunogenicity D Efficacy of Locally Prepared Montanide-oil Based H5N2 AI Vaccine Containing Flagellin As Immune Enhancer. 2013 , 10, 77-83	2
332	The Magnitude and IgG Subclass of Antibodies Elicited by Targeted DNA Vaccines Are Influenced by Specificity for APC Surface Molecules. 2018 , 2, 38-53	13
331	FliC's Hypervariable D3 Domain Is Required for Robust Anti-Flagellin Primary Antibody Responses. 2019 , 3, 422-432	2
330	Flagellin Activates NAIP/NLRC4 and Canonical NLRP3 Inflammasomes in Human Macrophages. 2021 , 206, 631-640	17
329	In silico study of ligand binding site of toll-like receptor 5. 2014 , 3, 41	6
328	Lactobacillus ??????????????????. 2008 , 19, 152-159	2
327	Role of Toll-like receptors in Helicobacter pylori infection and immunity. 2014 , 5, 133-46	63
326	Mycobacterium abscessus MAB2560 induces maturation of dendritic cells via Toll-like receptor 4 and drives Th1 immune response. 2014 , 47, 512-7	8
325	Mycobacterium abscessus D-alanyl-D-alanine dipeptidase induces the maturation of dendritic cells and promotes Th1-biased immunity. 2016 , 49, 554-559	5
324	Cloning, Expression, and Purification of Pseudomonas aeruginosa Flagellin, and Characterization of the Elicited Anti-Flagellin Antibody. 2016 , 18, e28271	10
323	A model symbiosis reveals a role for sheathed-flagellum rotation in the release of immunogenic lipopolysaccharide. 2014 , 3, e01579	32
322	Full Issue PDF. 2021 , 34, 575-718	
321	Enterochromaffin Cells: Sentinels to Gut Microbiota in Hyperalgesia?. 2021 , 11, 760076	3
320	Toll-like Receptors in Viral Encephalitis. 2021 , 13,	1

- 319 A proximal-to-distal survey of healthy adult human small intestine and colon epithelium by single-cell transcriptomics. 0
- 318 Current Understanding of the Innate Control of Toll-like Receptors in Response to SARS-CoV-2 Infection. **2021**, 13, 4
- 317 Adaptation to an amoeba host drives selection of virulence-associated traits in *Vibrio cholerae*. **2021**, 3
- 316 Wild-type *Caenorhabditis elegans* Isolates Exhibit Distinct Gene Expression Profiles in Response to Microbial Infection. 1
- 315 Exploration of Pattern Recognition Receptor Agonists as Candidate Adjuvants. **2021**, 11, 745016 5
- 314 NLRC4 inflammasome-dependent cell death occurs by a complementary series of three death pathways and determines lethality in mice. **2021**, 7, eabi9471 2
- 313 Biochemical Defense Mechanisms. **2001**, 1831-1877
- 312 Phagocytosis and Lung Injury. **2002**, 51-57
- 311 Infektion und Entzündung. **2003**, 36-42
- 310 DNA Delivery with Attenuated Intracellular Bacteria. **2003**, 263-286
- 309 Toll-like receptors and the cardiovascular system. **2003**, 129-141
- 308 Pathogen Associated Molecular Pattern Recognition in Innate Immunity. **2003**, 23, 211-217 2
- 307 Eukaryotic HSP60: A Danger signal for T- and natural killer cells. **2003**, 55-67
- 306 Toll-like receptor 4 in sepsis: where do we stand?. **2003**, 1075-1087
- 305 Activation of the Innate Immune System by DNA Vaccines. **2003**, 60-65
- 304 Post-Infectious Arthritis: Reactive Arthritis or Slow Infectious Arthritis?. **2004**, 403-436
- 303 Interaction of Innate and Acquired Immune Response: Toll Receptors Potential Link of Infection to Rejection. **2004**, 459-475
- 302 Recent Advances in the Immunology of the Respiratory Tract. **2005**, 63-93

- 301 Expression and Purification of Toll-like Receptor 9 Cytoplasmic Domain in *Pichia pastoris*. **2005**, 32, 269-273
- 300 Innate immune mechanisms and the identification of immune potentiators as vaccine adjuvants. **2006**, 57-72
- 299 Microbial Pathogenesis and the Discovery of Toll-Like Receptor Function. **2006**, 1-24
- 298 Toll-like family. **2006**, S132-S133
- 297 NF- κ B in the Innate Immune System. **2006**, 107-129
- 296 Glycosylation Islands of *Pseudomonas* Species. **2007**, 31-56
- 295 Toll-like Receptors in Host Defense and Immune Disorders. **2007**, 23, 97-105
- 294 Molecular Interactions of Commensal Enteric Bacteria with the Intestinal Epithelium and the Mucosal Immune System. **2008**, 27, 37-48
- 293 Role of Flagellin Glycosylation in Bacterial Virulence. **2008**, 167-174
- 292 Immunologic Development and Susceptibility to Infection. **2008**, 86-94
- 291 [Coordinate regulation of virulence gene expression in enterohemorrhagic *Escherichia coli*]. **2008**, 63, 407-15
- 290 Toll-Like Receptors in the Mammalian Innate Immune System. **2008**, 135-167
- 289 Functional polymorphism of genes of regulatory molecules and cytokines in nosocomial pneumonia. **2008**, 116-120
- 288 Immune Activation Versus Hyporesponsiveness and Tolerance in the Gut. 178-200
- 287 Innate Immunity. **2009**, 19-35
- 286 Intestine and Innate Immunity. **2009**, 28, 69-74
- 285 Innate Immunity. **2009**, 277-290
- 284 Sepsis and the Genomic Revolution. **2009**, 1362-1374

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

282 NORMAL AND IMPAIRED IMMUNOLOGIC RESPONSES TO INFECTION. **2009**, 21-65

281 Signal Transduction. **2009**, 129-147

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

78

279 Toll-like Receptors.

278 Pattern Recognition.

277 Innate Immune Response to Infectious Biofilms. **2011**, 185-200

276 Toll-Like Receptors and Their Regulatory Mechanisms. **2012**, 39-49

275 Cell Surface Molecular Chaperones and the LPS Receptor. **2012**, 151-165

274 Toll-Like Receptor Function and Evolution in Primates. **2013**, 91-116

273 Toll-Like Receptors and Neuroinflammation. **2013**, 135-156

272 Hepatic Immunology. 13-25

271 Molecular Life Sciences. **2014**, 1-7

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

269 Dendritic cells primed with protein-protein fusion adjuvant. **2014**, 1139, 57-75

268 Seleção, caracterização e clonagem dos genes fljB e groEL agonistas dos receptores de reconhecimento de padrões do sistema imune inato das aves. **2014**, 34, 217-223

267 Signal Transduction in the Intestinal Mucosa. 265-281

266 Intracytosolic Sensing of Pathogens: Nucleic Acid Receptors, NLRs, and the Associated Responses during Infections and Autoinflammatory Diseases. 153-169

- 265 Toll-Like Receptors: Novel Molecular Targets for Antiviral Immunotherapy. 333-346
- 264 Inflammatory Immune Response to Cytosolic Flagellin Protects Mice from Legionella pneumophila Infection. 313-320
- 263 Toll-Like Receptors. 107-122
- 262 Pathogen-Initiated Inflammatory Response in Intestinal Epithelial Cells: Cross Talk with Neutrophils. 141-154 1
- 261 Development of inactivated Akabane and bovine ephemeral fever vaccine for cattle. **2015**, 55, 227-232 0
- 260 Insights from the analysis of predicted Rv0679c protein peptide from Mycobacterium tuberculosis with Toll like Receptors in host. **2016**, 12, 293-299
- 259 Encyclopedia of Signaling Molecules. **2017**, 1-9
- 258 HostBiofilm Interactions at Mucosal Surfaces and Implications in Human Health. **2017**, 203-236
- 257 Genetic Determination of Bronchopulmonary Dysplasia Formation: Pros and Cons. **2017**, 14, 24-32 3
- 256 Endometrial transcription of microbial molecular patterns receptors in Gyr and F1 Holstein x Gyr postpartum cows. **2017**, 69, 835-842
- 255 Molecular Life Sciences. **2018**, 1192-1198
- 254 The relationship between caspase-1 related inflammasome expression and serum inflammatory cytokine levels during acute brucellosis. **2019**, 6, 117-123 2
- 253 A novel role of VisP and the Wzz system during O-antigen assembly in Salmonella Typhimurium pathogenesis.
- 252 Epidemiological significance of genome variations in Pseudomonas aeruginosa causing chronic lung infection in patients with cystic fibrosis. **2019**, 21, 340-351 2
- 251 Liver Cirrhosis with Steatohepatitis: Nonalcoholic Steatohepatitis and Alcoholic Steatohepatitis. **2019**, 1-21
- 250 Artificial Life and Therapeutic Vaccines Against Cancers that Originate in Viruses. **2019**, 149-305 1
- 249 TLR5 Participates in the TLR4 Receptor Complex and Biases Towards MyD88-Dependent Signaling in Environmental Lung Injury.
- 248 Gut microbiota influence B cell function in a TLR5-dependent manner.

- 247 Vaccination against the digestive enzyme Cathepsin B using a YS1646Salmonella entericaTyphimurium vector provides almost complete protection againstSchistosoma mansoni challenge in a mouse model.
- 246 Dynamic phenotypic heterogeneity generated by delayed genetic oscillations.
- 245 Outdoor Atmospheric Microbial Diversity is Associated with Urban Landscape Structure and Differs from Indoor-Transit Systems as Revealed by Mobile Monitoring and Three-Dimensional Spatial Analysis. 2
- 244 In Silico Approach in Designing a Novel Multi-Epitope Vaccine Candidate against Non-Small Cell Lung Cancer with Overexpressed G Protein-Coupled Receptor 56. **2020**, 21, 2297-2306 1
- 243 Innate Immune-Related Cells and Cytokines in Spondyloarthropathies. **2022**, 25-48
- 242 Corrigendum: Inflammatory and Microbiota-Related Regulation of the Intestinal Epithelial Barrier. **2021**, 8, 790387 3
- 241 Expansion of Necrosis Depending on Hybrid Motor-Driven Motility of in a Murine Wound Infection Model. **2020**, 9,
- 240 Promoter analysis of TLR5M and TLR5S revealed NF- κ B might be a conserved cis-element in TLR5S promoter of large yellow croaker. **2022**, 257, 110675 0
- 239 Vibrio harveyi infections induce production of proinflammatory cytokines in murine peritoneal macrophages via activation of p38 MAPK and NF- κ B pathways, but reversed by PI3K/AKT pathways. **2022**, 127, 104292 0
- 238 Convergent losses of TLR5 suggest altered extracellular flagellin detection in four mammalian lineages.
- 237 Inflammatory bowel diseases and genetic.
- 236 İřlamatuvar barsak hastalıklarıve genetik.
- 235 Recognition of Pathogens: Toll-Like Receptors. **2008**, 1-36
- 234 The Central Role of NF- κ B in the Regulation of Immunity to Infection. **2006**, 91-111
- 233 Innate immune responses in inflammatory bowel disease. 3-11
- 232 Knockout and Disease Models in Toll-Like Receptor-Mediated Immunity. **2006**, 41-61
- 231 Toll-Like Receptors. **2008**, 67-84
- 230 Neuroinflammation and Toll-Like Receptors in the Skin. **2009**, 89-102

229	The interaction of O157 :H7 and Typhimurium flagella with host cell membranes and cytoskeletal components. 2020 , 166, 947-965	4
228	Effects of Helicobacter infection on research: the case for eradication of Helicobacter from rodent research colonies. 2009 , 59, 10-7	26
227	Expression of toll-like receptors in human limbal and conjunctival epithelial cells. 2007 , 13, 813-22	38
226	The role of immunostimulatory nucleic acids in septic shock. 2012 , 5, 1-23	9
225	NF- κ B in Aging and Disease. 2011 , 2, 449-65	140
224	The structure of the TLR5-flagellin complex: a new mode of pathogen detection, conserved receptor dimerization for signaling. 2012 , 5, pe11	4
223	Targeting toll-like receptor signaling as a novel approach to prevent ocular infectious diseases. 2013 , 138, 609-19	20
222	Different expressions of TLRs and related factors in peripheral blood of preterm infants. 2015 , 8, 4108-14	6
221	Mycobacterium tuberculosis DNA Increases Vitamin D Receptor mRNA Expression and the Production of Nitric Oxide and Cathelicidin in Human Monocytes. 2015 , 22, 18-24	1
220	Evaluation of Toll-Like Receptor 11 Agonist Adjuvant Activity in Immunization of BALB/c Mice with Total Lysate Antigens of RH Strain. 2020 , 15, 349-356	
219	Riddle of Herd Immunity in SARS-CoV-2-Induced Viral Terrorism: Science to Society. 2022 , 51-71	
218	Molecular, anatomical, and functional organization of lung interoceptors.	1
217	Characterization of Edwardsiella piscicida CK108 flagellin genes and evaluation of their potential as vaccine targets in the zebrafish model. 2021 ,	0
216	Methylated (-)-epigallocatechin 3-O-gallate potentiates the effect of split vaccine accompanied with upregulation of Toll-like receptor 5. 2021 , 11, 23101	
215	Activation of Toll-Like Receptors by Live Gram-Negative Bacterial Pathogens Reveals Mitigation of TLR4 Responses and Activation of TLR5 by Flagella. 2021 , 11, 745325	1
214	Evasion of Toll-like Receptor Recognition by Escherichia coli is mediated via Population Level Regulation of Flagellin Production.	
213	Recombinant Bacillus subtilis flagellin Hag is a potent immunostimulant with reduced proinflammatory properties compared to Salmonella enterica serovar Typhimurium FljB. 2021 , 40, 11-11	1
212	LRRC15 suppresses SARS-CoV-2 infection and controls collagen production.	0

211	T-cell intrinsic Toll-like receptor signaling: implications for cancer immunotherapy and CAR T-cells. 2021 , 9,	2
210	Isolation and characterization of eosinophils in bovine blood and small intestine. 2021 , 242, 110352	
209	Defects in Innate Immunity: Receptors and Signaling Components. 2021 ,	
208	E.coli Nissle increases transcription of flagella assembly and formate hydrogenlyase genes in response to colitis. 2021 , 13, 1994832	0
207	The Role of Peroxiredoxins in the Regulation of Sepsis.. 2022 , 11,	1
206	Evaluation of Toll-Like Receptor 11 Agonist Adjuvant Activity in Immunization of BALB/c Mice with Total Lysate Antigens of Toxoplasma gondii RH Strain. 2020 , 15, 349-356	
205	miRNA signatures in diabetic retinopathy and nephropathy: delineating underlying mechanisms.. 2022 , 78, 19	2
204	Shoc2 recognizes bacterial flagellin and mediates antibacterial Erk/Stat signaling in an invertebrate.. 2022 , 18, e1010253	0
203	Lipopolysaccharide induced altered signaling pathways in various neurological disorders.. 2022 , 395, 285	2
202	Virulence, immunogenicity and live vaccine potential of aroA and phoP mutants of Edwardsiella piscicida in zebrafish.. 2021 , 162, 105355	2
201	Self-Assembly of Flagellin into Immunostimulatory Ring-like Nanostructures as an Antigen Delivery System.. 2022 ,	1
200	Comparative Genomics of Typical and Atypical Complete Genomes Revealed New Insights into Pathogenesis Evolution.. 2022 , 10,	2
199	Transcriptome analysis of grass carp (<i>Ctenopharyngodon idella</i>) and Holland's spinibarbel (<i>Spinibarbus hollandi</i>) infected with <i>Ichthyophthirius multifiliis</i> .. 2022 , 121, 305-315	0
198	Plant immunity: Rice XA21-mediated resistance to bacterial infection.. 2022 , 119,	1
197	Contribution of the Gut Microbiota to Intestinal Fibrosis in Crohn's Disease.. 2022 , 9, 826240	0
196	Virulence factors of uropathogens and their role in host pathogen interactions.. 2022 , 8, 100075	4
195	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
194	Molecular signaling of inflammatory responses in macrophages. 2022 , 73-97	

193	Immune Response to Viruses. 2022 , 429-444	0
192	Bacterial Toxin and Effector Regulation of Intestinal Immune Signaling.. 2022 , 10, 837691	
191	Toll-Like Receptor Evolution: Does Temperature Matter?. 2022 , 13, 812890	0
190	A proximal-to-distal survey of healthy adult human small intestine and colon epithelium by single-cell transcriptomics.. 2022 ,	5
189	Targeting Xcr1 on Dendritic Cells Rapidly Induce Th1-Associated Immune Responses That Contribute to Protection Against Influenza Infection.. 2022 , 13, 752714	0
188	Peptide-Based Nanovaccines in the Treatment of Cervical Cancer: A Review of Recent Advances.. 2022 , 17, 869-900	4
187	Recent Advances in the Development of Toll-like Receptor Agonist-Based Vaccine Adjuvants for Infectious Diseases.. 2022 , 14,	2
186	Enteroendocrine System and Gut Barrier in Metabolic Disorders.. 2022 , 23,	1
185	Monocyte, Neutrophil and Whole Blood Transcriptome Dynamics Following Ischemic Stroke.	0
184	Wild-type <i>Caenorhabditis elegans</i> isolates exhibit distinct gene expression profiles in response to microbial infection.. 2022 , 23, 229	0
183	Destination and Specific Impact of Different Bile Acids in the Intestinal Pathogen .. 2022 , 13, 814692	1
182	Transcriptomic profiling of clobetasol propionate-induced immunosuppression in challenged zebrafish embryos.. 2022 , 233, 113346	0
181	Group B Streptococcal Infections in Neonates. 2022 , 1, 109-119	
180	TLR5 recognizes <i>Aeromonas hydrophila</i> flagellin and interacts with MyD88 in Nile tilapia.. 2022 , 104409	0
179	Pathogenic arsenal of : an update on virulence factors.. 2022 ,	0
178	Improved immune function of Chinese soft-shelled turtles (<i>Pelodiscus sinensis</i>) through oral probiotics via the TLR signaling pathway. 2022 , 555, 738126	1
177	Toll-like receptor 5 as a novel receptor for fungal zymosan.	
176	Toll-like receptor 5 and Toll-like receptor 9 single nucleotide polymorphisms and risk of systemic lupus erythematosus and nephritis in Egyptian patients. 2021 , 48,	

175	Nanotechnology-Employed Bacteria-Based Delivery Strategy for Enhanced Anticancer Therapy.. 2021 , 16, 8069-8086	2
174	The Potential of Calcium Phosphate Nanoparticles as Adjuvants and Vaccine Delivery Vehicles. 2021 , 8,	2
173	The Fusion Protein rFlaA:Betv1 Modulates DC Responses by a p38-MAPK and COX2-Dependent Secretion of PGE from Epithelial Cells.. 2021 , 10,	1
172	Molecular and Cellular Mechanisms Influenced by Postbiotics.. 2021 , 22,	5
171	Immunometabolic Analysis of and sp. Reveals Novel Insights Into Their Pathogenic Contributions to the Hallmarks of Bacterial Vaginosis.. 2021 , 11, 759697	0
170	RNA metabolism and links to inflammatory regulation and disease.. 2021 , 79, 21	
169	Silent recognition of flagellins from human gut commensal bacteria by Toll-like receptor 5.	1
168	Nano toolbox in immune modulation and nanovaccines.. 2022 ,	1
167	SENP1-Sirt3 signaling promotes ketoglutarate ketoglutarate production during M2 macrophage polarization.. 2022 , 39, 110660	1
166	Microbial Imbalance Induces Inflammation by Promoting Penetration through the Mucosal Barrier.. 2022 ,	0
165	Signal Perception and Transduction in Plant Innate Immunity. 95-109	
164	Table_1.DOCX. 2019 ,	
163	Image1.PDF. 2018 ,	
162	Image2.PDF. 2018 ,	
161	Image3.PDF. 2018 ,	
160	Image4.PDF. 2018 ,	
159	Image5.PDF. 2018 ,	
158	Image6.PDF. 2018 ,	

157 Table1.DOCX. 2018,

156 Image_1.TIFF. 2020,

155 Image_2.TIFF. 2020,

154 Image_3.TIF. 2020,

153 Image_4.TIF. 2020,

152 Image_5.TIFF. 2020,

151 Image_6.TIFF. 2020,

150 Image_7.TIFF. 2020,

149 Table_1.XLSX. 2020,

148 Table_2.XLSX. 2020,

147 Table_3.XLSX. 2020,

146 Table_4.XLSX. 2020,

145 Table_5.XLSX. 2020,

144 Table_6.xlsx. 2020,

143 Table_7.XLSX. 2020,

142 Table_8.XLSX. 2020,

141 Data_Sheet_1.pdf. 2020,

140 Data_Sheet_1.DOCX. 2018,

139 Table_1.docx. **2019**,

138 Table_2.docx. **2019**,

137 Table_3.xlsx. **2019**,

136 Table_4.xlsx. **2019**,

135 Table_5.xlsx. **2019**,

134 Data_Sheet_1.PDF. **2018**,

133 Presentation_1.zip. **2018**,

132 Video_1.MP4. **2018**,

131 Image_1.TIF. **2020**,

130 Image_2.TIF. **2020**,

129 Image_3.TIF. **2020**,

128 Data_Sheet_1.DOCX. **2019**,

127 Image_1.TIFF. **2019**,

126 Image_2.TIFF. **2019**,

125 Image_3.TIFF. **2019**,

124 Image_4.TIFF. **2019**,

123 Image_5.TIFF. **2019**,

122 Table_1.PDF. **2019**,

121 Table_2.PDF. 2019,

120 Table_3.PDF. 2019,

119 Table_4.PDF. 2019,

118 Table_5.PDF. 2019,

117 Table_6.PDF. 2019,

116 Table_7.pdf. 2019,

115 Data_Sheet_1.pdf. 2019,

114 Image_1.tiff. 2019,

113 Presentation_1.pptx. 2018,

112 Data_Sheet_1.PDF. 2020,

111 Image_1.TIF. 2020,

110 Image_2.TIF. 2020,

109 Presentation_1.pptx. 2019,

108 Data_Sheet_1.pdf. 2020,

107 Image_1.TIF. 2020,

106 Data_Sheet_1.docx. 2018,

105 Molecular farming: Expanding the field of edible vaccines for sustainable fish aquaculture. ○

104 Intranasal Immunization with Zika Virus Envelope Domain III-Flagellin Fusion Protein Elicits Systemic and Mucosal Immune Responses and Protection against Subcutaneous and Intravaginal Virus Challenges. 2022, 14, 1014 ○

103	Switching off Bacterial Flagellar Biogenesis by YdiU-Mediated UMPylation of FlhDC.. 2022 , e0024922	1
102	The truncated MyD88s negatively regulates TLR2 signal on expression of IL17-1 in oyster <i>Crassostrea gigas</i> .. 2022 , 104446	0
101	Principles of a combination therapy of acne. 2011 , 87, 13-17	1
100	Examining the genomic features of human and plant-associated <i>Burkholderia</i> strains.. 2022 , 204, 335	
99	Nlrc4 inflammasome is critical for host protection against flagellated <i>Salmonella</i> .	
98	Potential therapeutic strategies for myocardial infarction: the role of Toll-like receptors.	0
97	Membrane orthologs of TLR5 of tongue sole <i>Cynoglossus semilaevis</i> : Expression patterns, signaling pathway and antibacterial property. 2022 , 126, 131-140	0
96	<i>Vibrio splendidus</i> flagellin C binds tropomodulin to induce p38 MAPK-mediated p53-dependent coelomocyte apoptosis in Echinodermata. 2022 , 102091	0
95	An Overview of Vaccine Adjuvants: Current Evidence and Future Perspectives. 2022 , 10, 819	1
94	Molecular Characterization of MyD88 in <i>Anodonta woodiana</i> and Its Involvement in the Innate Immune Response to Bacterial Infection. 13,	0
93	Cyprinid-specific duplicated membrane TLR5 senses dsRNA as functional homodimeric receptors.	0
92	Immunomodulation therapy offers new molecular strategies to treat UTI.	2
91	Group 3 innate lymphoid cell pyroptosis represents a host defence mechanism against <i>Salmonella</i> infection.	0
90	Respiratory and Intestinal Microbiota in Pediatric Lung Diseases—Current Evidence of the Gut–Lung Axis. 2022 , 23, 6791	0
89	<i>Pseudomonas aeruginosa</i> : pathogenesis, virulence factors, antibiotic resistance, interaction with host, technology advances and emerging therapeutics. 2022 , 7,	11
88	Immune responses to <i>Vibrio vulnificus</i> formalin-killed vaccine and ghost vaccine in <i>Scophthalmus maximus</i> .	
87	Intratumoral injection of schwannoma with attenuated <i>Salmonella typhimurium</i> induces antitumor immunity and controls tumor growth. 2022 , 119,	1
86	N-terminus of flagellin enhances vaccine efficacy against <i>Actinobacillus pleuropneumoniae</i> . 2022 , 18,	0

- 85 Transcriptional and functional characterizations of multiple flagellin genes in spirochetes. ○
- 84 Microbial mechanisms to improve immune checkpoint blockade responsiveness. **2022**, 31, 100818 ○
- 83 Ursolic acid represses influenza A virus-triggered inflammation and oxidative stress in A549 cells by modulating the miR-34c-5p/TLR5 axis. **2022**, 157, 155947 ○
- 82 A mucin-regulated adhesin determines the intestinal biogeography and inflammatory character of a bacterial symbiont.. ○
- 81 Innate Immunity in the Development of Connective Tissue Dysplasia: Pilot Study in Children with Congenital Hip Dislocation. **2022**, 10, 155-170
- 80 Host and Species-Specificities of Pattern Recognition Receptors Upon Infection With *Leptospira interrogans*. 12, ○
- 79 *Roseburia intestinalis* and Its Metabolite Butyrate Inhibit Colitis and Upregulate TLR5 through the SP3 Signaling Pathway. **2022**, 14, 3041 ○
- 78 Protein-Based Adjuvants for Vaccines as Immunomodulators of the Innate and Adaptive Immune Response: Current Knowledge, Challenges, and Future Opportunities. **2022**, 14, 1671 ○
- 77 Comparative genomics provides insights into the potential biocontrol mechanism of two *Lysobacter enzymogenes* strains with distinct antagonistic activities. 13, ○
- 76 Self-assembled flagella protein nanofibers induce enhanced mucosal immunity. **2022**, 121733 2
- 75 Ocular surface microbiota: Ophthalmic infectious disease and probiotics. 13, 1
- 74 Toll-like receptors and their role in neuropathic pain and migraine. **2022**, 15, 2
- 73 Nanovaccines for Cancer Prevention and Immunotherapy: An Update Review. **2022**, 14, 3842 1
- 72 The short chain fatty acid propionic acid activates the Rcs stress response system partially through inhibition of D-alanine racemase.
- 71 Effects of probiotics on growth, the toll-like receptor mediated immune response and susceptibility to *Aeromonas salmonicida* infection in rainbow trout *Oncorhynchus mykiss*. **2022**, 561, 738668 1
- 70 Beauty and the pathogens: A leaf-less control presents a better image of *Cymbidium* orchids defense strategy. 13, ○
- 69 A heterogenic membrane-based biomimetic hybrid nanoplatfrom for combining radiotherapy and immunotherapy against breast cancer. **2022**, 289, 121810 2
- 68 TLR5M cooperates with TLR5S to activate NF- κ B in Nile tilapia (*Oreochromis niloticus*). **2023**, 562, 738775 ○

67	Immunological paradox for maintaining normal flora: it is all by design, not by chance. 2022 , 39-73	0
66	Obesity, inflammation, and diseases of the gastrointestinal tract. 2023 , 101-118	0
65	(Not) Home alone: Antigen presenting cell ↔ Cell communication in barrier tissues. 13,	0
64	Comparative genome analysis of commensal segmented filamentous bacteria (SFB) from turkey and murine hosts reveals distinct metabolic features. 2022 , 23,	1
63	Nanoparticle-modified microrobots for in vivo antibiotic delivery to treat acute bacterial pneumonia.	7
62	Genome-Wide Identification, Characterization and Expression Analysis of Toll-like Receptors in Marbled Rockfish (<i>Sebastes marmoratus</i>). 2022 , 23, 11357	0
61	Flagella, Chemotaxis and Surface Sensing. 2022 , 185-221	0
60	Involvement of Flagellin in Kin Recognition between <i>Bacillus velezensis</i> Strains.	0
59	Of Flies and Men—the Discovery of TLRs. 2022 , 11, 3127	1
58	Application of a maximal-clique based community detection algorithm to gut microbiome data reveals driver microbes during influenza A virus infection. 13,	0
57	Structural basis of flagellar motility regulation by the MogR repressor and the GmaR antirepressor in <i>Listeria monocytogenes</i> .	0
56	Interactions between nociceptor sensory neurons and microbial pathogens in pain. 2022 , 163, S57-S68	0
55	Identification and functional characteristics of two TLR5 subtypes in <i>S. grahmi</i> . 2022 , 131, 707-717	0
54	A small secreted protein, RsMf8HN, in <i>Rhizoctonia solani</i> triggers plant immune response, which interacts with rice OsHIPP28. 2023 , 266, 127219	1
53	Emerging evidence that molecules expressed by mammalian tissue grafts are recognized by the innate immune system. 2002 , 71, 401-409	3
52	Vaccination Strategies Based on Bacterial Self-Assembling Proteins as Antigen Delivery Nanoscaffolds. 2022 , 10, 1920	2
51	Genomic, probiotic, and metabolic potentials of <i>Liquorilactobacillus nagelii</i> AGA58, a novel bacteriocinogenic motile strain isolated from lactic acid-fermented shalgam. 2022 ,	1
50	<i>Treponema pallidum</i> FlaA2 inducing the release of pro-inflammatory cytokines is mediated via TLR2 in keratinocytes. 2022 , 105879	0

- 49 Evolutionary analyses of polymeric immunoglobulin receptor (pIgR) in the mammals reveals an outstanding mutation rate in the lagomorphs. 13, ○
- 48 Immunologic Development and Susceptibility to Infection. **2023**, 87-95.e2 ○
- 47 Polysaccharides from *Vaccaria segetalis* seeds reduce urinary tract infections by inhibiting the adhesion and invasion abilities of uropathogenic *Escherichia coli*. 12, ○
- 46 Naïve CD4+ T Cell Activation in the Nasal-Associated Lymphoid Tissue following Intranasal Immunization with a Flagellin-Based Subunit Vaccine. **2022**, 23, 15572 ○
- 45 Interference of flagellar rotation up-regulates the expression of small RNA contributing to *Bordetella pertussis* infection. **2022**, 8, ○
- 44 Lpp of *Escherichia coli* K1 inhibits host ROS production to counteract neutrophil-mediated elimination. **2022**, 102588 ○
- 43 Antibacterial and electrochemical evaluation of electrospun polyethersulfone/silver composites as highly persistent nanomaterials. ○
- 42 K63-linked polyubiquitination of LGP2 by Riplet regulates RIG-I-dependent innate immune response. ○
- 41 A genome-wide screen in macrophages identifies PTEN as required for myeloid restriction of *Listeria monocytogenes* infection. ○
- 40 Antimicrobial and Immunomodulatory Potential of Cow Colostrum Extracellular Vesicles (ColosEVs) in an Intestinal In Vitro Model. **2022**, 10, 3264 ○
- 39 Harnessing Engineered Immune Cells and Bacteria as Drug Carriers for Cancer Immunotherapy. ○
- 38 Pathophysiologie der Sepsis. **2023**, 58, 13-27 ○
- 37 Genome-wide identification and characterization of toll-like receptor 5 (TLR5) in fishes. 13, ○
- 36 Innovative Vaccine Strategy: Self-Adjuvanting Conjugate Vaccines. **2023**, 55-72 ○
- 35 TLR5 agonists enhance anti-tumor immunity and overcome resistance to immune checkpoint therapy. **2023**, 6, ○
- 34 Innate sensing and cellular metabolism: role in fine tuning antiviral immune responses. ○
- 33 The Short-chain Fatty Acid Propionic Acid Activates the Rcs Stress Response System Partially through Inhibition of d- Alanine Racemase. ○
- 32 A soluble TLR5 is involved in PBLs activation and antibacterial immunity via TLR5M-MyD88-signaling pathway in tongue sole *Cynoglossus semilaevis*. **2023**, 230, 123208 ○

- 31 Concept about the Virulence Factor of Legionella. **2023**, 11, 74 ○
- 30 Comparative Transcriptomics Reveals the microRNA-Mediated Immune Response of Large Yellow Croaker (*Larimichthys crocea*) to *Pseudomonas plecoglossicida* Infection. **2023**, 8, 10 ○
- 29 *Ishige okamurae* Attenuates Neuroinflammation and Cognitive Deficits in Mice Intracerebroventricularly Injected with LPS via Regulating TLR-4/MyD88-Dependent Pathways. **2023**, 12, 78 ○
- 28 Antimicrobial peptide antibiotics against multidrug-resistant ESKAPE pathogens. **2023**, 237-259 ○
- 27 Recombinant vaccine candidates with integrated adjuvants provide stimulation of an effective immune response against bacterial infections. **2023**, 2, 64-77 ○
- 26 Silent recognition of flagellins from human gut commensal bacteria by Toll-like receptor 5. **2023**, 8, ○
- 25 Unveiling the duality of *Pantoea dispersa*: A mini review. **2023**, 873, 162320 ○
- 24 Investigation of a gel-based delivery method for the administration of a live, attenuated *Salmonella* Typhimurium vaccine. **2023**, 280, 109721 ○
- 23 Characterization analysis of TLR5a and TLR5b immune response after different bacterial infection in grass carp (*Ctenopharyngodon idella*). **2023**, 136, 108716 ○
- 22 Immune escape strategies of *Pseudomonas aeruginosa* to establish chronic infection. **2023**, 163, 156135 ○
- 21 BilentFlagellin drives immunotolerance to commensal bacteria. **2023**, 44, 150-152 ○
- 20 Dual RNA-seq of spleens extracted from channel catfish infected with *Aeromonas veronii* reveals novel insights into host-pathogen interactions. **2023**, 252, 114609 ○
- 19 Signaling events induced by lipopolysaccharide-activated Toll in response to bacterial infection in shrimp. 14, ○
- 18 Cooperative Regulation of Flagellar Synthesis by Two EAL-Like Proteins upon *Salmonella* Entry into Host Cells. **2023**, 11, ○
- 17 Fibroblast-expressed LRRC15 is a receptor for SARS-CoV-2 spike and controls antiviral and antifibrotic transcriptional programs. **2023**, 21, e3001967 2
- 16 Pathogen-triggered changes in plant development: Virulence strategies or host defense mechanism?. 14, ○
- 15 Monocyte, neutrophil, and whole blood transcriptome dynamics following ischemic stroke. **2023**, 21, ○
- 14 Antigen receptor structure and signaling. **2023**, 1-28 ○

- 13 Salmonella Typhimurium expressing chromosomally integrated Schistosoma mansoni Cathepsin B protects against schistosomiasis in mice. **2023**, 8, ○
- 12 Biomolecules Triggering Altered Food Intake during Pathogenic Challenge in Chicks. **2023**, 60, n/a ○
- 11 Fecal Metagenomics and Metabolomics Identifying Microbial Signatures in Non-Alcoholic Fatty Liver Disease. **2023**, 24, 4855 ○
- 10 Pseudorabies Virus Infection Activates the TLR-NF- κ B Axis and AIM2 Inflammasome To Enhance Inflammatory Responses in Mice. **2023**, 97, ○
- 9 Recombinant Domain of Flagellin Promotes In Vitro a Chemotactic Inflammatory Profile in Human Immune Cells Independently of a Dendritic Cell Phenotype. **2023**, 28, 2394 ○
- 8 TIRAP, TRAM, and Toll-Like Receptors: The Untold Story. **2023**, 2023, 1-13 ○
- 7 Just right combinations of adjuvants with nanoscale carriers activate aged dendritic cells without overt inflammation. **2023**, 20, ○
- 6 Dps-dependent in vivo mutation enhances long-term host adaptation in Vibrio cholerae. **2023**, 19, e1011250 ○
- 5 A flagellin-conjugate protein induces dual NLRC4- and NLRP3-inflammasome activation which modulates inflammatory cytokine secretion from macrophages. 14, ○
- 4 Risks Factors Associated with the Development of Crohn's Disease After Ileal Pouch-Anal Anastomosis for Ulcerative Colitis: A Systematic Review and Meta-Analysis. ○
- 3 Oncolytic Efficacy of a Recombinant Vaccinia Virus Strain Expressing Bacterial Flagellin in Solid Tumor Models. **2023**, 15, 828 ○
- 2 Extracellular vesicles of the probiotic E. coli O83 activate innate immunity and prevent allergy in mice. ○
- 1 Nasal immunization with H7 flagellin protects mice against hemolytic uremic syndrome secondary to Escherichia coli O157:H7 gastrointestinal infection. 13, ○