

CITATION REPORT

List of articles citing

Involvement of Toll-like receptor 5 in the recognition of flagellated bacteria

DOI: 10.1073/pnas.0605200103

Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12487-92.

Source: <https://exaly.com/paper-pdf/39609033/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
267	Cutting edge: Tlr5 ^{-/-} mice are more susceptible to Escherichia coli urinary tract infection. 2007 , 178, 4717-20		147
266	Blocking of the TLR5 activation domain hampers protective potential of flagellin DNA vaccine. 2007 , 179, 1147-54		41
265	Resistance to Pseudomonas aeruginosa chronic lung infection requires cystic fibrosis transmembrane conductance regulator-modulated interleukin-1 (IL-1) release and signaling through the IL-1 receptor. 2007 , 75, 1598-608		60
264	Expression of flagella is coincident with uropathogenic Escherichia coli ascension to the upper urinary tract. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16669-74	11.5	277
263	The p38 mitogen-activated protein kinase signaling pathway is coupled to Toll-like receptor 5 to mediate gene regulation in response to Pseudomonas aeruginosa infection in human airway epithelial cells. 2007 , 75, 5985-92		34
262	Redundant Toll-like receptor signaling in the pulmonary host response to Pseudomonas aeruginosa. 2007 , 292, L312-22		108
261	A novel linear plasmid mediates flagellar variation in Salmonella Typhi. <i>PLoS Pathogens</i> , 2007 , 3, e59	7.6	50
260	The role of flagellin versus motility in acute lung disease caused by Pseudomonas aeruginosa. 2007 , 196, 289-96		64
259	Comparison of tissue-selective proinflammatory gene induction in mice infected with wild-type, DNA adenine methylase-deficient, and flagellin-deficient Salmonella enterica. 2007 , 75, 5627-39		12
258	Modulation of corneal epithelial innate immune response to pseudomonas infection by flagellin pretreatment. 2007 , 48, 4664-70		54
257	Altered inflammatory responses in TLR5-deficient mice infected with Legionella pneumophila. 2007 , 179, 6981-7		86
256	Salmonella flagellin induces bystander activation of splenic dendritic cells and hinders bacterial replication in vivo. 2007 , 179, 6169-75		53
255	Salmonella-induced enteritis: molecular pathogenesis and therapeutic implications. 2007 , 9, 1-17		35
254	Reducing the toll of inflammatory lung disease. 2007 , 131, 1550-6		39
253	Bibliography. Current world literature. Hematology and oncology. 2007 , 19, 105-17		
252	What is the role of Toll-like receptors in bacterial infections?. 2007 , 19, 41-7		54
251	Sequence variability and protein domain architectures for bovine Toll-like receptors 1, 5, and 10. 2007 , 90, 502-15		39

250	Activation of NF-kappaB-dependent gene expression by Salmonella flagellins FliC and FljB. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 280-5	3-4	36
249	Opportunistic infections in lung disease: Pseudomonas infections in cystic fibrosis. 2007 , 7, 244-51		136
248	Pseudomonas aeruginosa lipopolysaccharide: a major virulence factor, initiator of inflammation and target for effective immunity. <i>International Journal of Medical Microbiology</i> , 2007 , 297, 277-95	3-7	155
247	A West Nile virus recombinant protein vaccine that coactivates innate and adaptive immunity. 2007 , 195, 1607-17		145
246	Identification of a novel negative role of flagellin in regulating IL-10 production. 2007 , 37, 3164-75		23
245	Critical role for Ipaf in Pseudomonas aeruginosa-induced caspase-1 activation. 2007 , 37, 3030-9		219
244	How important are Toll-like receptors for antimicrobial responses?. 2007 , 9, 1891-901		120
243	Role of the innate immune system in host defence against bacterial infections: focus on the Toll-like receptors. 2007 , 261, 511-28		121
242	A linear plasmid truncation induces unidirectional flagellar phase change in H:z66 positive Salmonella Typhi. 2007 , 66, 1207-18		21
241	TLR5 and Ipaf: dual sensors of bacterial flagellin in the innate immune system. 2007 , 29, 275-88		216
240	Toll like receptor-5: protecting the gut from enteric microbes. 2008 , 30, 11-21		51
239	Airway epithelial cell signaling in response to bacterial pathogens. 2008 , 43, 11-9		53
238	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
237	Salmonella typhi: from a human pathogen to a vaccine vector. 2008 , 5, 91-7		49
236	Motility allows S. Typhimurium to benefit from the mucosal defence. 2008 , 10, 1166-80		152
235	Acute lower respiratory tract infection. 2008 , 358, 716-27		318
234	Toll-like receptors: their roles in bacterial recognition and respiratory infections. 2008 , 6, 479-95		18
233	Innate Immunity of Plants, Animals, and Humans. <i>Nucleic Acids and Molecular Biology</i> , 2008 ,		1

232	IL-1beta expression in Int407 is induced by flagellin of <i>Vibrio cholerae</i> through TLR5 mediated pathway. 2008 , 44, 524-36		19
231	Functional characterization of chicken TLR5 reveals species-specific recognition of flagellin. 2008 , 45, 1298-307		98
230	Airway epithelial control of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis. 2008 , 14, 120-33		79
229	Vaccines and immunotherapy against <i>Pseudomonas aeruginosa</i> . <i>Vaccine</i> , 2008 , 26, 1011-24	4.1	131
228	Control of <i>Pseudomonas aeruginosa</i> in the lung requires the recognition of either lipopolysaccharide or flagellin. 2008 , 181, 586-92		99
227	Toll like receptor - potential drug targets in infectious disease. 2008 , 8, 221-31		4
226	<i>Pseudomonas aeruginosa</i> activates caspase 1 through Ipaf. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 2562-7	11.5	242
225	Both radioresistant and hemopoietic cells promote innate and adaptive immune responses to flagellin. 2008 , 180, 7184-92		42
224	Innate immunity mediated by TLR5 as a novel antiinflammatory target for cystic fibrosis lung disease. 2008 , 180, 7764-73		71
223	Sustained desensitization to bacterial Toll-like receptor ligands after resolution of respiratory influenza infection. 2008 , 205, 323-9		297
222	Interleukin-1 beta secretion is activated comparably by FliC and FljB flagellins but differentially by wild-type and DNA adenine methylase-deficient salmonella. 2008 , 28, 661-6		5
221	Bacterial Interactions with the Airway Epithelium. 253-273		1
220	. 2008 ,		4
219	Role of Toll-like receptor 5 in the innate immune response to acute <i>P. aeruginosa</i> pneumonia. 2009 , 297, L1112-9		56
218	<i>Pseudomonas aeruginosa</i> Inhibition of Flagellin-activated NF-kappaB and interleukin-8 by human airway epithelial cells. 2009 , 77, 2857-65		12
217	RICK promotes inflammation and lethality after gram-negative bacterial infection in mice stimulated with lipopolysaccharide. 2009 , 77, 1569-78		18
216	Recognition of AT-rich DNA binding sites by the MogR repressor. 2009 , 17, 769-77		24
215	Induction of adaptive immunity by flagellin does not require robust activation of innate immunity. 2009 , 39, 359-71		54

214	Radioresistant cells expressing TLR5 control the respiratory epithelium's innate immune responses to flagellin. 2009 , 39, 1587-96		36
213	Toll-like receptor expression in normal ovary and ovarian tumors. 2009 , 58, 1375-85		115
212	Toll-like receptor 4 signalling through MyD88 is essential to control Salmonella enterica serovar typhimurium infection, but not for the initiation of bacterial clearance. 2009 , 128, 472-83		45
211	Multiple MyD88-dependent responses contribute to pulmonary clearance of Legionella pneumophila. 2009 , 11, 21-36		52
210	Brucella abortus induces Irgm3 and Irga6 expression via type-I IFN by a MyD88-dependent pathway, without the requirement of TLR2, TLR4, TLR5 and TLR9. 2009 , 47, 299-304		18
209	Transcriptome profiling and functional analyses of the zebrafish embryonic innate immune response to Salmonella infection. 2009 , 182, 5641-53		172
208	Important aspects of Toll-like receptors, ligands and their signaling pathways. 2010 , 59, 791-808		161
207	Differential Effect of Lactobacillus johnsonii BFE 6128 on Expression of Genes Related to TLR Pathways and Innate Immunity in Intestinal Epithelial Cells. 2010 , 2, 211-7		4
206	Construction of a large scale integrated map of macrophage pathogen recognition and effector systems. 2010 , 4, 63		32
205	TLR8 deficiency leads to autoimmunity in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3651-62	15.9	136
204	. 2010 ,		20
203	Flagellin-induced corneal antimicrobial peptide production and wound repair involve a novel NF-kappaB-independent and EGFR-dependent pathway. <i>PLoS ONE</i> , 2010 , 5, e9351	3.7	31
202	Mucosal administration of flagellin protects mice from Streptococcus pneumoniae lung infection. 2010 , 78, 4226-33		96
201	Evaluation of flagella and flagellin of Pseudomonas aeruginosa as vaccines. 2010 , 78, 746-55		98
200	Population Genetics of Salmonella: Selection for Antigenic Diversity. 2010 , 287-319		4
199	Bacterial flagellin stimulates Toll-like receptor 5-dependent defense against vancomycin-resistant Enterococcus infection. 2010 , 201, 534-43		180
198	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
197	Review: Toll-like receptors and NOD-like receptors in pulmonary antibacterial immunity. <i>Innate Immunity</i> , 2010 , 16, 201-10	2.7	35

196	TLR5 as an anti-inflammatory target and modifier gene in cystic fibrosis. 2010 , 185, 7731-8		56
195	Innate immune recognition in infectious and noninfectious diseases of the lung. 2010 , 181, 1294-309		188
194	Flagellin stimulates protective lung mucosal immunity: role of cathelicidin-related antimicrobial peptide. 2010 , 185, 1142-9		81
193	Regulatory T cell suppressive potency dictates the balance between bacterial proliferation and clearance during persistent <i>Salmonella</i> infection. <i>PLoS Pathogens</i> , 2010 , 6, e1001043	7.6	101
192	Adjuvant activity on murine and human macrophages. <i>Methods in Molecular Biology</i> , 2010 , 626, 117-30	1.4	1
191	TLR4 and TLR5 on corneal macrophages regulate <i>Pseudomonas aeruginosa</i> keratitis by signaling through MyD88-dependent and -independent pathways. 2010 , 185, 4272-83		105
190	Prevention of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis patients. <i>International Journal of Medical Microbiology</i> , 2010 , 300, 573-7	3.7	27
189	Vaccine Adjuvants. <i>Methods in Molecular Biology</i> , 2010 ,	1.4	4
188	Prokaryotic and Eukaryotic Heat Shock Proteins in Infectious Disease. <i>Heat Shock Proteins</i> , 2010 ,	0.2	5
187	QseC mediates <i>Salmonella enterica</i> serovar typhimurium virulence in vitro and in vivo. 2010 , 78, 914-26		119
186	Transcriptome of <i>Proteus mirabilis</i> in the murine urinary tract: virulence and nitrogen assimilation gene expression. 2011 , 79, 2619-31		57
185	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
184	TLR signaling is required for <i>Salmonella typhimurium</i> virulence. 2011 , 144, 675-88		171
183	Maximal transcriptional activation of piscine soluble Toll-like receptor 5 by the NF- κ B subunit p65 and flagellin. 2011 , 31, 881-6		17
182	Innate immune responses to <i>Pseudomonas aeruginosa</i> infection. 2011 , 13, 1133-45		122
181	Toll-like Receptors and Innate Immunity. 2011 , 41, 225		60
180	<i>Salmonella</i> and Caspase-1: A complex Interplay of Detection and Evasion. 2011 , 2, 85		41
179	Basic and translational understandings of microbial recognition by toll-like receptors in the intestine. 2011 , 17, 28-34		25

178	TLR5 functions as an endocytic receptor to enhance flagellin-specific adaptive immunity. 2011 , 41, 29-38		61
177	Toll-like receptors and their crosstalk with other innate receptors in infection and immunity. 2011 , 34, 637-50		2464
176	TLR5-deficient mice lack basal inflammatory and metabolic defects but exhibit impaired CD4 T cell responses to a flagellated pathogen. 2011 , 186, 5406-12		58
175	Contribution of a <i>Streptococcus mutans</i> antigen expressed by a <i>Salmonella</i> vector vaccine in dendritic cell activation. 2011 , 79, 3792-800		6
174	Airway epithelial MyD88 restores control of <i>Pseudomonas aeruginosa</i> murine infection via an IL-1-dependent pathway. 2011 , 186, 7080-8		55
173	Cell-associated flagella enhance the protection conferred by mucosally-administered attenuated <i>Salmonella</i> Paratyphi A vaccines. 2011 , 5, e1373		43
172	Nonhematopoietic cells are key players in innate control of bacterial airway infection. 2011 , 186, 3130-7		41
171	Dampening Host Sensing and Avoiding Recognition in <i>Pseudomonas aeruginosa</i> Pneumonia. 2011 , 2011, 852513		24
170	<i>Pseudomonas</i> evades immune recognition of flagellin in both mammals and plants. <i>PLoS Pathogens</i> , 2011 , 7, e1002206	7.6	97
169	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
168	Effect of iacP mutation on flagellar phase variation in <i>Salmonella enterica</i> serovar typhimurium strain UK-1. 2012 , 194, 4332-41		5
167	Genetically manipulated mouse models of lung disease: potential and pitfalls. 2012 , 302, L485-97		43
166	<i>Pseudomonas aeruginosa</i> pili and flagella mediate distinct binding and signaling events at the apical and basolateral surface of airway epithelium. <i>PLoS Pathogens</i> , 2012 , 8, e1002616	7.6	123
165	Interleukin-1 β promotes susceptibility of Toll-like receptor 5 (TLR5) deficient mice to colitis. 2012 , 61, 373-84		59
164	Toll-like receptor 5 engagement induces interleukin-17C expression in intestinal epithelial cells. 2012 , 32, 583-91		29
163	PRAT4A-dependent expression of cell surface TLR5 on neutrophils, classical monocytes and dendritic cells. 2012 , 24, 613-23		29
162	Toll-like receptor 11 (TLR11) prevents <i>Salmonella</i> penetration into the murine Peyer patches. 2012 , 287, 43417-23		16
161	A mouse model of <i>Salmonella typhi</i> infection. 2012 , 151, 590-602		145

160	Monoclonal antibody that blocks the Toll-like receptor 5 binding region of flagellin. 2012 , 31, 60-2	9
159	Airway epithelial expression of TLR5 is downregulated in healthy smokers and smokers with chronic obstructive pulmonary disease. 2012 , 189, 2217-25	23
158	Inhibition of <i>Pseudomonas aeruginosa</i> virulence: characterization of the AprA-AprI interface and species selectivity. 2012 , 415, 573-83	26
157	Liposomes and Other Nanoparticles as Cancer Vaccines and Immunotherapeutics. 2012 , 135-178	1
156	Toll-like receptors in the host defense against <i>Pseudomonas aeruginosa</i> respiratory infection and cystic fibrosis. 2012 , 92, 977-85	46
155	Emergence of new PCR ribotypes from the hypervirulent <i>Clostridium difficile</i> 027 lineage. 2012 , 61, 49-56	73
154	Toll-like receptor 5 (TLR5), IL-1 β secretion, and asparagine endopeptidase are critical factors for alveolar macrophage phagocytosis and bacterial killing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1619-24	11.5 87
153	TLR4, 5, and 9 Agonists Inhibit Murine Airway Invariant Natural Killer T Cells in an IL-12-Dependent Manner. 2012 , 4, 295-304	4
152	A TLR5 (g.1174C > T) variant that encodes a stop codon (R392X) is associated with bronchopulmonary dysplasia. 2012 , 47, 460-8	30
151	Signaling pathways mediating chemokine induction in keratinocytes by cathelicidin LL-37 and flagellin. 2012 , 4, 377-86	40
150	<i>Escherichia coli</i> flagellin stimulates pro-inflammatory immune response. 2012 , 28, 2139-46	7
149	Age-associated elevation in TLR5 leads to increased inflammatory responses in the elderly. 2012 , 11, 104-10	103
148	<i>Stenotrophomonas maltophilia</i> flagellin restricts bacterial colonization in BALB/c mouse lung in vivo. 2012 , 66, 191-200	7
147	Role of antigens and virulence factors of <i>Salmonella enterica</i> serovar Typhi in its pathogenesis. 2012 , 167, 199-210	78
146	Molecular cloning, characterization and expression of goose Toll-like receptor 5. 2012 , 52, 117-24	17
145	Allele-specific primer polymerase chain reaction for a single nucleotide polymorphism (C1205T) of swine toll-like receptor 5 and comparison of the allelic frequency among several pig breeds in Japan and the Czech Republic. 2012 , 56, 385-91	2
144	Immune surveillance mechanisms of the skin against the stealth infection strategy of <i>Pseudomonas aeruginosa</i> -review. 2013 , 36, 433-48	16
143	Shaping Intestinal Bacterial Community by TLR and NLR Signaling. 2013 , 32-42	

142	IL-17, IL-22 and Their Producing Cells: Role in Inflammation and Autoimmunity. 2013 ,		
141	Characterization and expression analysis of common carp <i>Cyprinus carpio</i> TLR5M. 2013 , 32, 611-20		18
140	Differential outcome of infection with attenuated <i>Salmonella</i> in MyD88-deficient mice is dependent on the route of administration. 2013 , 218, 52-63		8
139	Association of TLR5 sequence variants and mRNA level with cytokine transcription in pigs. 2013 , 65, 125-32		5
138	Cochlin produced by follicular dendritic cells promotes antibacterial innate immunity. 2013 , 38, 1063-72		42
137	Innate immune recognition of flagellin limits systemic persistence of <i>Brucella</i> . 2013 , 15, 942-960		31
136	A comprehensive analysis of in vitro and in vivo genetic fitness of <i>Pseudomonas aeruginosa</i> using high-throughput sequencing of transposon libraries. <i>PLoS Pathogens</i> , 2013 , 9, e1003582	7.6	112
135	Immunogenicity of recombinant proteins consisting of <i>Plasmodium vivax</i> circumsporozoite protein allelic variant-derived epitopes fused with <i>Salmonella enterica</i> Serovar Typhimurium flagellin. 2013 , 20, 1418-25		17
134	PTEN regulates TLR5-induced intestinal inflammation by controlling Mal/TIRAP recruitment. 2013 , 27, 243-54		35
133	Non-apoptotic toxicity of <i>Pseudomonas aeruginosa</i> toward murine cells. <i>PLoS ONE</i> , 2013 , 8, e54245	3.7	19
132	Innate immune detection of flagellin positively and negatively regulates salmonella infection. <i>PLoS ONE</i> , 2013 , 8, e72047	3.7	31
131	Impact of the gut microbiota on rodent models of human disease. 2014 , 20, 17727-36		55
130	[Immune evasion of <i>Pseudomonas aeruginosa</i>]. 2014 , 37, 33-41		1
129	UNC93B1 is essential for the plasma membrane localization and signaling of Toll-like receptor 5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7072-7	11.5	43
128	Involvement of a 1-Cys peroxiredoxin in bacterial virulence. <i>PLoS Pathogens</i> , 2014 , 10, e1004442	7.6	34
127	Reprint of Inhibition of biofilm formation by Camelid single-domain antibodies against the flagellum of <i>Pseudomonas aeruginosa</i> 2014 , 191, 131-8		5
126	Airway structural cells regulate TLR5-mediated mucosal adjuvant activity. 2014 , 7, 489-500		49
125	Small molecule screen yields inhibitors of <i>Pseudomonas</i> homoserine lactone-induced host responses. 2014 , 16, 1-14		12

124	Mapping of TLR5 and TLR7 in central and distal human airways and identification of reduced TLR expression in severe asthma. 2014 , 44, 184-96		34
123	Phagocytic and signaling innate immune receptors: are they dysregulated in cystic fibrosis in the fight against <i>Pseudomonas aeruginosa</i> ?. 2014 , 52, 103-7		7
122	Sequence based structural characterization and genetic diversity analysis across coding and promoter regions of goat Toll-like receptor 5 gene. 2014 , 540, 238-45		3
121	Flagellin a toll-like receptor 5 agonist as an adjuvant in chicken vaccines. 2014 , 21, 261-70		43
120	Inhibition of biofilm formation by Camelid single-domain antibodies against the flagellum of <i>Pseudomonas aeruginosa</i> . 2014 , 186, 66-73		10
119	Flagellin concentrations in expectorations from cystic fibrosis patients. 2014 , 14, 100		8
118	Functional characterisation of bovine TLR5 indicates species-specific recognition of flagellin. 2014 , 157, 197-205		15
117	Pattern recognition receptor signaling in human dendritic cells is enhanced by ICOS ligand and modulated by the Crohn's disease ICOSLG risk allele. 2014 , 40, 734-46		42
116	Soluble flagellin coimmunization attenuates Th1 priming to <i>Salmonella</i> and clearance by modulating dendritic cell activation and cytokine production. 2015 , 45, 2299-311		15
115	Toll-like receptor 5 is not essential for the promotion of secretory immunoglobulin A antibody responses to flagellated bacteria. 2015 , 59, 716-23		1
114	The Toll-Like Receptor 5 Agonist Entolimod Mitigates Lethal Acute Radiation Syndrome in Non-Human Primates. <i>PLoS ONE</i> , 2015 , 10, e0135388	3-7	36
113	A proof-of-concept model for the identification of the key events in the infection process with specific reference to <i>Pseudomonas aeruginosa</i> in corneal infections. 2015 , 5, 28750		2
112	Genetic susceptibility to invasive <i>Salmonella</i> disease. 2015 , 15, 452-63		58
111	A Toll-Like Receptor 5 Agonist Improves the Efficacy of Antibiotics in Treatment of Primary and Influenza Virus-Associated Pneumococcal Mouse Infections. 2015 , 59, 6064-72		30
110	Incorporation of membrane-anchored flagellin or <i>Escherichia coli</i> heat-labile enterotoxin B subunit enhances the immunogenicity of rabies virus-like particles in mice and dogs. 2015 , 6, 169		19
109	TLR5 Ligand-Secreting T Cells Reshape the Tumor Microenvironment and Enhance Antitumor Activity. 2015 , 75, 1959-1971		26
108	Redundant and cooperative interactions between TLR5 and NLRC4 in protective lung mucosal immunity against <i>Pseudomonas aeruginosa</i> . 2015 , 7, 177-86		22
107	Determinants of Divergent Adaptive Immune Responses after Airway Sensitization with Ligands of Toll-Like Receptor 5 or Toll-Like Receptor 9. <i>PLoS ONE</i> , 2016 , 11, e0167693	3-7	11

106	Novel Immunomodulatory Flagellin-Like Protein FlaC in <i>Campylobacter jejuni</i> and Other <i>Campylobacterales</i> . 2016 , 1,	14
105	Current Concepts and Controversies in Innate Immunity of Cystic Fibrosis Lung Disease. 2016 , 8, 531-540	23
104	Analysis of TLR polymorphisms in typhoid patients and asymptomatic typhoid carriers among the schoolchildren. 2016 , 17, 353-357	2
103	Association of TLR polymorphisms with bronchopulmonary dysplasia. 2016 , 592, 23-28	6
102	Lung epithelial MyD88 drives early pulmonary clearance of <i>Pseudomonas aeruginosa</i> by a flagellin dependent mechanism. 2016 , 311, L219-28	21
101	Activation of toll-like receptor signaling pathways leading to nitric oxide-mediated antiviral responses. 2016 , 161, 2075-86	42
100	Transcriptome analysis of <i>Cronobacter sakazakii</i> ATCC BAA-894 after interaction with human intestinal epithelial cell line HCT-8. 2016 , 100, 311-22	8
99	Bacterial Stimulation of Toll-Like Receptor 4 Drives Macrophages To Hemophagocytose. 2016 , 84, 47-55	11
98	New Insights into the Roles of Long Polar Fimbriae and Stg Fimbriae in <i>Salmonella</i> Interactions with Enterocytes and M Cells. 2017 , 85,	12
97	TLR9 Regulates the NF- κ B-NLRP3-IL-1 β Pathway Negatively in α -Induced NKG2D-Mediated Intestinal Inflammation. 2017 , 199, 761-773	42
96	Human LACC1 increases innate receptor-induced responses and a LACC1 disease-risk variant modulates these outcomes. 2017 , 8, 15614	33
95	Immune Recognition of the Epidemic Cystic Fibrosis Pathogen <i>Burkholderia dolosa</i> . 2017 , 85,	3
94	Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF- κ B signal transduction, and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10122-E10131	11.5 36
93	Multiple <i>Pseudomonas</i> species secrete exolysin-like toxins and provoke Caspase-1-dependent macrophage death. 2017 , 19, 4045-4064	23
92	Neutrophil pyroptosis mediates pathology of <i>P. aeruginosa</i> lung infection in the absence of the NADPH oxidase NOX2. 2017 , 10, 757-774	39
91	NOD-like receptor(s) and host immune responses with <i>Pseudomonas aeruginosa</i> infection. 2018 , 67, 479-493	8
90	Role of toll-like receptors in inflammatory bowel disease. 2018 , 129, 204-215	56
89	DNA Vaccine-Encoded Flagellin Can Be Used as an Adjuvant Scaffold to Augment HIV-1 gp41 Membrane Proximal External Region Immunogenicity. 2018 , 10,	3

88	Evolution and species-specific conservation of toll-like receptors in terrestrial vertebrates. 2018 , 37, 217-228		11
87	IL-27 amplifies cytokine responses to Gram-negative bacterial products and Salmonella typhimurium infection. <i>Scientific Reports</i> , 2018 , 8, 13704	4-9	8
86	Toll-like receptor 2, 4 and 9 polymorphisms and their association with ICU-acquired infections in Central Greece. 2018 , 47, 1-8		5
85	Molecular cloning, characterization, and functional analysis of pigeon (<i>Columba livia</i>) Toll-like receptor 5. 2018 , 97, 4031-4039		4
84	Functional expression of TLR5 of different vertebrate species and diversification in intestinal pathogen recognition. <i>Scientific Reports</i> , 2018 , 8, 11287	4-9	9
83	<i>Pseudomonas aeruginosa</i> flagellum is critical for invasion, cutaneous persistence and induction of inflammatory response of skin epidermis. 2018 , 9, 1163-1175		15
82	Identification of a Spinal Circuit for Mechanical and Persistent Spontaneous Itch. 2019 , 103, 1135-1149.e6		42
81	Dual RNA-Seq Unveils the Role of the <i>Pseudomonas plecoglossicida</i> Gene in Pathogen-Host Interaction with. 2019 , 7,		9
80	Insights into flagellar function and mechanism from the squid-vibrio symbiosis. 2019 , 5, 32		15
79	Inhalation of specific anti- <i>Pseudomonas aeruginosa</i> IgY antibodies transiently decreases <i>P. aeruginosa</i> colonization of the airway in mechanically ventilated piglets. 2019 , 7, 21		8
78	Toll-Like Receptors and Relevant Emerging Therapeutics with Reference to Delivery Methods. 2019 , 11,		12
77	-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
76	Multimomics analyses reveal that NOD-like signaling pathway plays an important role against <i>Streptococcus agalactiae</i> in the spleen of tilapia. 2019 , 95, 336-348		9
75	Role of Toll-Like Receptor 5 (TLR5) in Experimental Melioidosis. 2019 , 87,		5
74	Astragalus polysaccharides attenuated inflammation and balanced the gut microflora in mice challenged with <i>Salmonella typhimurium</i> . <i>International Immunopharmacology</i> , 2019 , 74, 105681	5.8	26
73	Innate and Adaptive Immune Responses during Infection. 2019 , 7,		22
72	Toll-like receptors in the pathogenesis of neuroinflammation. 2019 , 332, 16-30		100
71	Innate and Adaptive Immune Responses during <i>Listeria monocytogenes</i> Infection. 2019 , 803-835		

70	Recent clinical trends in Toll-like receptor targeting therapeutics. 2019 , 39, 1053-1090		111
69	Calcineurin inhibitor Tacrolimus impairs host immune response against urinary tract infection. <i>Scientific Reports</i> , 2019 , 9, 106	4.9	11
68	Attenuated Salmonella for Oral Immunization. 2020 , 383-399		
67	Toll-like receptors in sepsis-associated cytokine storm and their endogenous negative regulators as future immunomodulatory targets. <i>International Immunopharmacology</i> , 2020 , 89, 107087	5.8	31
66	Early Cytokine Induction Upon Infection in Murine Precision Cut Lung Slices Depends on Sensing of Bacterial Viability. <i>Frontiers in Immunology</i> , 2020 , 11, 598636	8.4	5
65	Fusion of Bacterial Flagellin to a Dendritic Cell-Targeting CD40 Antibody Construct Coupled With Viral or Leukemia-Specific Antigens Enhances Dendritic Cell Maturation and Activates Peptide-Responsive T Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 602802	8.4	3
64	Mannheimia haemolytica and lipopolysaccharide induce airway epithelial inflammatory responses in an extensively developed ex vivo calf model. <i>Scientific Reports</i> , 2020 , 10, 13042	4.9	4
63	Polymorphisms in Toll-like receptors 1, 2, 5, and 10 are associated with predisposition to Helicobacter pylori infection. <i>European Journal of Gastroenterology and Hepatology</i> , 2020 , 32, 1141-1146 ^{2.2}		6
62	Signal Transduction Pathways Activated by Innate Immunity in Mast Cells: Translating Sensing of Changes into Specific Responses. <i>Cells</i> , 2020 , 9,	7.9	13
61	Boosting the IL-22 response using flagellin prevents bacterial infection in cigarette smoke-exposed mice. <i>Clinical and Experimental Immunology</i> , 2020 , 201, 171-186	6.2	2
60	Convergent Losses of TLR5 Suggest Altered Extracellular Flagellin Detection in Four Mammalian Lineages. <i>Molecular Biology and Evolution</i> , 2020 , 37, 1847-1854	8.3	16
59	Characterisation and functional analysis of canine TLR5. <i>Innate Immunity</i> , 2020 , 26, 451-458	2.7	1
58	Entolimod as a radiation countermeasure for acute radiation syndrome. <i>Drug Discovery Today</i> , 2021 , 26, 17-30	8.8	9
57	Bronchially instilled IgY-antibodies did not decrease pulmonary p. aeruginosa concentration in experimental porcine pneumonia. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 , 65, 656-663	1.9	1
56	Bronchial epithelial DNA methyltransferase 3b dampens pulmonary immune responses during Pseudomonas aeruginosa infection. <i>PLoS Pathogens</i> , 2021 , 17, e1009491	7.6	6
55	flagella confer anti-tumor immunological effect activating Flagellin/TLR5 signalling within tumor microenvironment. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 3165-3177	15.5	5
54	Anesthetics isoflurane and sevoflurane attenuate flagellin-mediated inflammation in the lung. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 557, 254-260	3.4	3
53	In silico designing of vaccine candidate against Clostridium difficile. <i>Scientific Reports</i> , 2021 , 11, 14215	4.9	2

52	Reverse vaccinology approach for the identifications of potential vaccine candidates against Salmonella. <i>International Journal of Medical Microbiology</i> , 2021 , 311, 151508	3.7	4
51	The Interaction between the Gut Microbiota and Chronic Diseases.		
50	The Impact of Di-Isononyl Phthalate Exposure on Specialized Epithelial Cells in the Colon. <i>Toxicological Sciences</i> , 2021 , 184, 142-153	4.4	0
49	<i>Pseudomonas aeruginosa</i> Internalization by Non-Phagocytic Cells. 2007 , 343-368		1
48	The Intestinal Epithelium: The Interface Between Host and Pathogen. 2008 , 3-22		2
47	Alveolar Macrophages. 2013 , 1-48		1
46	Investigating TLR signaling responses in murine dendritic cells upon bacterial infection. <i>Methods in Molecular Biology</i> , 2014 , 1197, 209-25	1.4	1
45	<i>Pseudomonas aeruginosa</i> . 2010 , 2835-2860		17
44	Insertion sequences drive the emergence of a highly adapted human pathogen. <i>Microbial Genomics</i> , 2020 , 6,	4.4	5
43	Impact of bacteria on the phenotype, functions, and therapeutic activities of invariant NKT cells in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2301-15	15.9	55
42	Deletion of TLR5 results in spontaneous colitis in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3909-21.9	15.9	314
41	<i>Pseudomonas aeruginosa</i> LPS or flagellin are sufficient to activate TLR-dependent signaling in murine alveolar macrophages and airway epithelial cells. <i>PLoS ONE</i> , 2009 , 4, e7259	3.7	119
40	MyD88-dependent signaling contributes to host defense against ehrlichial infection. <i>PLoS ONE</i> , 2010 , 5, e11758	3.7	23
39	Bacterial flagellin triggers cardiac innate immune responses and acute contractile dysfunction. <i>PLoS ONE</i> , 2010 , 5, e12687	3.7	28
38	Bacterial-epithelial contact is a key determinant of host innate immune responses to enteropathogenic and enteroaggregative <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2011 , 6, e27030	3.7	34
37	Epithelial uptake of flagella initiates proinflammatory signaling. <i>PLoS ONE</i> , 2013 , 8, e59932	3.7	16
36	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. <i>PLoS ONE</i> , 2016 , 11, e0150943	3.7	13
35	TLR5-dependent immunogenicity of a recombinant fusion protein containing an immunodominant epitope of malarial circumsporozoite protein and the FliC flagellin of <i>Salmonella Typhimurium</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011 , 106 Suppl 1, 167-71	2.6	14

34	Going, Toll-like receptors in skin inflammation and inflammatory diseases. <i>EXCLI Journal</i> , 2021 , 20, 52-79	2.4	4
33	Modifying radiation damage. <i>Current Drug Targets</i> , 2010 , 11, 1352-65	3	15
32	TLR4 is involved in mediating fatal murine pneumonia due to <i>Burkholderia cenocepacia</i> . <i>Open Journal of Immunology</i> , 2011 , 01, 97-102	0.6	1
31	A model symbiosis reveals a role for sheathed-flagellum rotation in the release of immunogenic lipopolysaccharide. <i>ELife</i> , 2014 , 3, e01579	8.9	32
30	NLRs: a Cytosolic Armory of Microbial Sensors Linked to Human Diseases. <i>Nucleic Acids and Molecular Biology</i> , 2008 , 169-185		
29	Toll-Like Receptors and Infectious Diseases: Role of Heat Shock Proteins. <i>Heat Shock Proteins</i> , 2009 , 153-167	1.7	1
28	Contribution of IL-17 to the pulmonary inflammatory response. 2009 , 105-113		
27	[Regulatory mechanisms for stress response and pathogenesis of facultative intracellular bacteria]. <i>Japanese Journal of Bacteriology</i> , 2011 , 66, 517-29	0.3	
26	Utilizing Mouse Models of Human Cancer for Assessing Immune Modulation of Cancer Development. 2012 , 443-463		
25	Toll-Like Receptors in the Airway Epithelium. 2013 , 125-138		
24	Inflammasome: IL-1/IL-17 Response in Lung Inflammation. 2013 , 157-164		
23	Machine learning identifies SNPs predictive of advanced coronary artery calcium in ClinSeq and Framingham Heart Study cohorts.		
22	Insertion sequences drive the emergence of a highly adapted human pathogen.		
21	Convergent losses of TLR5 suggest altered extracellular flagellin detection in four mammalian lineages.		
20	The Role of Endophytic/Epiphytic Bacterial Constituents in the Immunostimulatory Activity of the Botanical. <i>Yale Journal of Biology and Medicine</i> , 2020 , 93, 239-250	2.4	
19	Immunometabolites Drive Bacterial Adaptation to the Airway. <i>Frontiers in Immunology</i> , 2021 , 12, 790574	8.4	1
18	Recombinant <i>Bacillus subtilis</i> flagellin Hag is a potent immunostimulant with reduced proinflammatory properties compared to <i>Salmonella enterica</i> serovar Typhimurium FljB. <i>Vaccine</i> , 2021 , 40, 11-11	4.1	1
17	IL-17 Aggravates Airway Infection in Acute Exacerbations of Chronic Obstructive Pulmonary Disease. <i>Frontiers in Immunology</i> , 2021 , 12, 811803	8.4	2

16	Shoc2 recognizes bacterial flagellin and mediates antibacterial Erk/Stat signaling in an invertebrate.. <i>PLoS Pathogens</i> , 2022 , 18, e1010253	7.6	0
15	Self-Assembly of Flagellin into Immunostimulatory Ring-like Nanostructures as an Antigen Delivery System.. <i>ACS Biomaterials Science and Engineering</i> , 2022 ,	5.5	1
14	DataSheet_1.pdf. 2020 ,		
13	DataSheet_1.pdf. 2020 ,		
12	Immunoinformatics Approach Toward the Introduction of a Novel Multi-Epitope Vaccine Against <i>Clostridium difficile</i> . <i>Frontiers in Immunology</i> , 2022 , 13,	8.4	1
11	Mechanisms for the Invasion and Dissemination of <i>Salmonella</i> . <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2022 , 2022, 1-12	2.6	0
10	Sertoli Cell Immune Regulation: A Double-Edged Sword. <i>Frontiers in Immunology</i> , 13,	8.4	1
9	Virulence Factors of <i>Pseudomonas Aeruginosa</i> and Antivirulence Strategies to Combat Its Drug Resistance. <i>Frontiers in Cellular and Infection Microbiology</i> , 12,	5.9	4
8	<i>Pseudomonas</i> . 2022 , 318-343		
7	Nutritional immunomodulation of Atlantic salmon response to <i>Renibacterium salmoninarum</i> bacterin. 9,		0
6	Immunogenic Modification of <i>Ligilactobacillus agilis</i> by Specific Amino Acid Substitution of Flagellin.		0
5	Flagella, Chemotaxis and Surface Sensing. 2022 , 185-221		0
4	Intravenous anti- <i>P. aeruginosa</i> IgY-antibodies do not decrease pulmonary bacterial concentrations in a porcine model of ventilator-associated pneumonia. 175342592211142		0
3	<i>Pseudomonas aeruginosa</i> Cytotoxins: Mechanisms of Cytotoxicity and Impact on Inflammatory Responses. 2023 , 12, 195		0
2	flgC gene is involved in the virulence regulation of <i>Pseudomonas plecoglossicida</i> and affects the immune response of <i>Epinephelus coioides</i> . 2023 , 132, 108512		0
1	Extracellular vesicles of the probiotic <i>E. coli</i> O83 activate innate immunity and prevent allergy in mice.		0