

A Comparative Review of Toll-Like Receptor 4 Expression in Animal Species

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Expression of TLR 2/4 in the sperm-storing oviduct of the Chinese soft-shelled turtle <i>Pelodiscus sinensis</i> during hibernation season. <i>Ecology and Evolution</i> , 2015, 5, 4466-4479.	0.8	15
2	Genetic characterization of interleukins (IL-1 β , IL-1 γ , IL-2, IL-4, IL-8, IL-10, IL-12A, IL-12B, IL-15 and IL-18) with relevant biological roles in lagomorphs. <i>Innate Immunity</i> , 2015, 21, 787-801.	1.1	21
3	Toll-Like Receptor Signaling in Vertebrates: Testing the Integration of Protein, Complex, and Pathway Data in the Protein Ontology Framework. <i>PLoS ONE</i> , 2015, 10, e0122978.	1.1	2
4	Evolutionary Insights into IL17A in Lagomorphs. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	1.4	4
5	Human Coagulation Factor X-Adenovirus Type 5 Complexes Poorly Stimulate an Innate Immune Response in Human Mononuclear Phagocytes. <i>Journal of Virology</i> , 2015, 89, 2884-2891.	1.5	17
6	The Development of Early-Onset Ventilator-Associated Pneumonia after Cardiac Surgery with Cardiopulmonary Bypass is Associated with Toll-like Receptor 4 Signal Transduction Pathways. <i>Inflammation</i> , 2015, 38, 187-194.	1.7	2
7	Curcumin Mediates a Protective Effect Via TLR-4/NF- κ B Signaling Pathway in Rat Model of Severe Acute Pancreatitis. <i>Cell Biochemistry and Biophysics</i> , 2015, 73, 175-180.	0.9	31
8	Regulation of FGF23 expression in IDG-SW3 osteocytes and human bone by pro-inflammatory stimuli. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 208-218.	1.6	148
9	Comparative In Vitro Immune Stimulation Analysis of Primary Human B Cells and B Cell Lines. <i>Journal of Immunology Research</i> , 2016, 2016, 1-9.	0.9	32
10	Plasminogen activator inhibitor-1 stimulates macrophage activation through Toll-like Receptor-4. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 503-508.	1.0	44
11	Gastrointestinal and hepatic mechanisms limiting entry and dissemination of lipopolysaccharide into the systemic circulation. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G1-G15.	1.6	116
12	Tissue-specific mRNA expression profiles of porcine Toll-like receptors at different ages in germ-free and conventional pigs. <i>Veterinary Immunology and Immunopathology</i> , 2016, 171, 7-16.	0.5	11
13	Effect of <i>Euphorbia humifusa</i> Willd extract on the amelioration of innate immune responses. <i>Genes and Genomics</i> , 2016, 38, 999-1004.	0.5	3
14	S100A8/A9: From basic science to clinical application. , 2016, 167, 120-131.		294
15	Toll like receptor mediated immune stimulation can be visualized in vivo by [18 F]FDG-PET. <i>Nuclear Medicine and Biology</i> , 2016, 43, 651-660.	0.3	12
16	<i>Leishmania (Viannia) braziliensis</i> amastigotes induces the expression of TNF α and IL-10 by human peripheral blood mononuclear cells in vitro in a TLR4-dependent manner. <i>Cytokine</i> , 2016, 88, 184-192.	1.4	27
17	Connexins and their channels in inflammation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2016, 51, 413-439.	2.3	93
18	Global analysis of differential gene expression related to long-term sperm storage in oviduct of Chinese Soft-Shelled Turtle <i>Pelodiscus sinensis</i> . <i>Scientific Reports</i> , 2016, 6, 33296.	1.6	23

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19	Alteration of early dendritic cell activation by cancer cell lines predisposes immunosuppression, which cannot be reversed by TLR4 stimulation. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 1101-1111.	0.9	2
20	Enrofloxacin decreases IL-6 and TNF- α production by lipopolysaccharide-stimulated porcine peripheral blood mononuclear cells. <i>Journal of Veterinary Research (Poland)</i> , 2016, 60, 189-193.	0.3	7
21	Modulation of Toll-like receptor signaling in innate immunity by natural products. <i>International Immunopharmacology</i> , 2016, 37, 65-70.	1.7	43
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23	Adjuvant and carrier protein-dependent T-cell priming promotes a robust antibody response against the <i>Plasmodium falciparum</i> Pfs25 vaccine candidate. <i>Scientific Reports</i> , 2017, 7, 40312.	1.6	54
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25	Enrofloxacin in therapeutic doses alters cytokine production by porcine PBMCs induced by lipopolysaccharide. <i>Drug and Chemical Toxicology</i> , 2017, 40, 295-299.	1.2	2
26	Regulatory roles of brain-specific angiogenesis inhibitor 1 (BAI1) protein in inflammation, tumorigenesis and phagocytosis: A brief review. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 111, 81-86.	2.0	16
27	Pulmonary innate inflammatory responses to agricultural occupational contaminants. <i>Cell and Tissue Research</i> , 2017, 367, 627-642.	1.5	21
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30	Zoonotic Potential of Emerging Paramyxoviruses. <i>Advances in Virus Research</i> , 2017, 98, 1-55.	0.9	84
31	The Toll-Like Receptor 4 Antagonist Eritoran Protects Mice from Lethal Filovirus Challenge. <i>MBio</i> , 2017, 8, .	1.8	41
32	Association of single-nucleotide polymorphisms in non-coding regions of the <i>TLR4</i> gene with primary open angle glaucoma in a Mexican population. <i>Ophthalmic Genetics</i> , 2017, 38, 325-329.	0.5	19
33	1,25-Dihydroxyvitamin D3 Attenuates the Effects of Lipopolysaccharide by Causing ADAM10-Dependent Ectodomain Shedding of Toll-Like Receptor 4. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 2104-2116.	1.1	14
34	Activation of Macrophages and Microglia by Interferon- γ and Lipopolysaccharide Increases Methylglyoxal Production: A New Mechanism in the Development of Vascular Complications and Cognitive Decline in Type 2 Diabetes Mellitus?. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 467-479.	1.2	17
35	Toll-like receptor4 as a modulator of fertilization and subsequent preimplantation development following in vitro maturation in mice. <i>American Journal of Reproductive Immunology</i> , 2017, 78, e12720.	1.2	19
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37	The Lipid A from <i>Rhodospseudomonas palustris</i> Strain BisA53 LPS Possesses a Unique Structure and Low Immunostimulant Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 3637-3647.	1.7	26
38	Tolerance and pharmacokinetics of a ciprofloxacin-coated sinus stent in a preclinical model. <i>International Forum of Allergy and Rhinology</i> , 2017, 7, 352-358.	1.5	21
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42	Nanoparticle Biokinetics in Mice and Nonhuman Primates. <i>ACS Nano</i> , 2017, 11, 9514-9524.	7.3	35
43	Intraspinal TLR4 activation promotes iron storage but does not protect neurons or oligodendrocytes from progressive iron-mediated damage. <i>Experimental Neurology</i> , 2017, 298, 42-56.	2.0	24
44	Peripheral Inflammation, Apolipoprotein E4, and Amyloid- β^2 Interact to Induce Cognitive and Cerebrovascular Dysfunction. <i>ASN Neuro</i> , 2017, 9, 175909141771920.	1.5	54
45	Novel peptide motifs from lysozyme suppress pro-inflammatory cytokines in macrophages by antagonizing toll-like receptor and LPS-scavenging action. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 240-248.	1.9	16
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50	Soluble TLR2 and 4 concentrations in cerebrospinal fluid in HIV/SIV-related neuropathological conditions. <i>Journal of NeuroVirology</i> , 2017, 23, 250-259.	1.0	9
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53	Lipopolysaccharide Upregulated Intestinal Epithelial Cell Expression of Fn14 and Activation of Fn14 Signaling Amplify Intestinal TLR4-Mediated Inflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 315.	1.8	17
54	The Immune Response against <i>Acinetobacter baumannii</i> , an Emerging Pathogen in Nosocomial Infections. <i>Frontiers in Immunology</i> , 2017, 8, 441.	2.2	90

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56	Platelet-Activation Factor Receptor Induces Interleukin 10 Production through STAT3 Activation in Dendritic Cells. <i>Journal of Immunobiology</i> , 2017, 02, .	0.3	2
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59	Neurobiology of Opioid Use Disorder and Comorbid Traumatic Brain Injury. <i>JAMA Psychiatry</i> , 2018, 75, 642.	6.0	3
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71	Microglia: Key players in neurodevelopment and neuronal plasticity. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 94, 56-60.	1.2	104
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73	Diversity effect of capsaicin on different types of skeletal muscle. <i>Molecular and Cellular Biochemistry</i> , 2018, 443, 11-23.	1.4	11
74	Transcriptomics in pain research: insights from new and old technologies. <i>Molecular Omics</i> , 2018, 14, 389-404.	1.4	22
75	The Interplay Between Immune Response and Bacterial Infection in COPD: Focus Upon Non-typeable <i>Haemophilus influenzae</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2530.	2.2	74
76	TLR4 inhibitor TAK-242 attenuates the adverse neural effects of diet-induced obesity. <i>Journal of Neuroinflammation</i> , 2018, 15, 306.	3.1	40
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78	Differential profiles of soluble and cellular toll like receptor (TLR)-2 and 4 in chronic periodontitis. <i>PLoS ONE</i> , 2018, 13, e0200231.	1.1	22
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83	Anti-inflammatory effects of olive-derived hydroxytyrosol on lipopolysaccharide-induced inflammation in RAW264.7 cells. <i>Journal of Veterinary Medical Science</i> , 2018, 80, 1801-1807.	0.3	26
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89	Modifiers of hypertension. <i>Acta Physiologica</i> , 2018, 224, e13184.	1.8	0
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92	Salidroside protects renal tubular epithelial cells from hypoxia/reoxygenation injury in vitro. <i>Journal of Pharmacological Sciences</i> , 2018, 137, 170-176.	1.1	29
93	Bisdemethoxycurcumin and Its Cyclized Pyrazole Analogue Differentially Disrupt Lipopolysaccharide Signalling in Human Monocyte-Derived Macrophages. <i>Mediators of Inflammation</i> , 2018, 2018, 1-13.	1.4	5
94	Role of Toll-Like Receptor 4 on Osteoblast Metabolism and Function. <i>Frontiers in Physiology</i> , 2018, 9, 504.	1.3	55
95	Artesunate ameliorates high glucose-induced rat glomerular mesangial cell injury by suppressing the TLR4/NF- κ B/NLRP3 inflammasome pathway. <i>Chemico-Biological Interactions</i> , 2018, 293, 11-19.	1.7	64
96	The Gut-Brain Axis, the Human Gut Microbiota and Their Integration in the Development of Obesity. <i>Frontiers in Physiology</i> , 2018, 9, 900.	1.3	122
97	Temporal and Site-Specific Changes in Central Neuroimmune Factors During Rapid Weight Gain After Ovariectomy in Rats. <i>Neurochemical Research</i> , 2018, 43, 1802-1813.	1.6	6
98	Lack of association between the toll-like receptor 4 gene c.896A>G polymorphism and the predisposition to periodontal disease: An updated systematic review and meta-analysis. <i>Meta Gene</i> , 2018, 18, 9-15.	0.3	1
99	Specific alterations in the circulating levels of the SIRT1, TLR4, and IL7 proteins in patients with dementia. <i>Experimental Gerontology</i> , 2018, 111, 203-209.	1.2	16
100	Sinus Microanatomy and Microbiota in a Rabbit Model of Rhinosinusitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 540.	1.8	31
101	Hypoacylated LPS from Foodborne Pathogen <i>Campylobacter jejuni</i> Induces Moderate TLR4-Mediated Inflammatory Response in Murine Macrophages. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 58.	1.8	25
102	IFN- γ , Mediated Control of Bovine Major Histocompatibility Complex Class I Expression and Function via the Regulation of bta-miR-148b/152 in Bovine Endometrial Epithelial Cells. <i>Frontiers in Immunology</i> , 2018, 9, 167.	2.2	11
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105	Toll-like receptors in immunity and inflammatory diseases: Past, present, and future. <i>International Immunopharmacology</i> , 2018, 59, 391-412.	1.7	438
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107	Blockade of Toll-Like Receptor 4 Attenuates Erectile Dysfunction in Diabetic Rats. <i>Journal of Sexual Medicine</i> , 2018, 15, 1235-1245.	0.3	25
108	TLR4-Binding DNA Aptamers Show a Protective Effect against Acute Stroke in Animal Models. <i>Molecular Therapy</i> , 2018, 26, 2047-2059.	3.7	47

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110	Prophylactic efficacy of orally administered <i>Bacillus poly-Î³-glutamic acid</i> , a non-LPS TLR4 ligand, against norovirus infection in mice. <i>Scientific Reports</i> , 2018, 8, 8667.	1.6	21
111	Association of Inflammatory Responses and ECM Disorganization with HMGB1 Upregulation and NLRP3 Inflammasome Activation in the Injured Rotator Cuff Tendon. <i>Scientific Reports</i> , 2018, 8, 8918.	1.6	73
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113	Intratumoral G100, a TLR4 Agonist, Induces Antitumor Immune Responses and Tumor Regression in Patients with Merkel Cell Carcinoma. <i>Clinical Cancer Research</i> , 2019, 25, 1185-1195.	3.2	97
114	Targeting tollâ€like receptor 4 signalling pathways: can therapeutics pay the toll for hypertension?. <i>British Journal of Pharmacology</i> , 2019, 176, 1864-1879.	2.7	49
115	Canine platelets express functional Toll-like receptor-4: lipopolysaccharide-triggered platelet activation is dependent on adenosine diphosphate and thromboxane A2 in dogs. <i>BMC Veterinary Research</i> , 2019, 15, 245.	0.7	9
116	Paraquat modulates microglia M1/M2 polarization via activation of TLR4-mediated NF-Î²B signaling pathway. <i>Chemico-Biological Interactions</i> , 2019, 310, 108743.	1.7	39
117	A permethrin metabolite is associated with adaptive immune responses in Gulf War Illness. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 545-559.	2.0	31
118	Reactivating Immunity Primed by Acellular Pertussis Vaccines in the Absence of Circulating Antibodies: Enhanced Bacterial Control by TLR9 Rather Than TLR4 Agonist-Including Formulation. <i>Frontiers in Immunology</i> , 2019, 10, 1520.	2.2	11
119	Effect of Intranasal Instillation of Lipopolysaccharide on Lung Development and Its Related Mechanism in Newborn Mice. <i>Journal of Interferon and Cytokine Research</i> , 2019, 39, 684-693.	0.5	8
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121	Dendritic polyglycerols are modulators of microglia-astrocyte crosstalk. <i>Future Neurology</i> , 2019, 14, FNL31.	0.9	11
122	Co-encapsulation of synthetic lipidated TLR4 and TLR7/8 agonists in the liposomal bilayer results in a rapid, synergistic enhancement of vaccine-mediated humoral immunity. <i>Journal of Controlled Release</i> , 2019, 315, 186-196.	4.8	34
123	Serum Lipopolysaccharideâ€Binding Protein Levels and the Incidence of Cardiovascular Disease in a General Japanese Population: The Hisayama Study. <i>Journal of the American Heart Association</i> , 2019, 8, e013628.	1.6	35
124	The tracking of lipopolysaccharide through the foetoâ€maternal compartment and the involvement of maternal TLR4 in inflammationâ€induced fetal brain injury. <i>American Journal of Reproductive Immunology</i> , 2019, 82, e13189.	1.2	26
125	Effects of cyanobacterial toxins on the human gastrointestinal tract and the mucosal innate immune system. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	81
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127	Plasminogen mediates communication between the peripheral and central immune systems during systemic immune challenge with lipopolysaccharide. <i>Journal of Neuroinflammation</i> , 2019, 16, 172.	3.1	10
128	Cannabinoids δ^9 -tetrahydrocannabinol and cannabidiol may be effective against methamphetamine induced mitochondrial dysfunction and inflammation by modulation of Toll-like type-4(Toll-like 4) receptors and NF- κ B signaling. <i>Medical Hypotheses</i> , 2019, 133, 109371.	0.8	19
129	Microbiome Signatures Associated With Steatohepatitis and Moderate to Severe Fibrosis in Children With Nonalcoholic Fatty Liver Disease. <i>Gastroenterology</i> , 2019, 157, 1109-1122.	0.6	184
130	Antibody production and pharmacokinetics of METH in rats following vaccination with the METH vaccine, IXT-v100, adjuvanted with GLA-SE. <i>Drug and Alcohol Dependence</i> , 2019, 204, 107484.	1.6	2
131	Targeted molecular imaging of TLR4 in hepatocellular carcinoma using zwitterionic near-infrared fluorophores. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1548-1555.	1.1	18
132	Dihydropyridin attenuates inflammation through TLR4/NF-kappaB pathway. <i>Open Medicine (Poland)</i> , 2019, 14, 719-725.	0.6	23
133	Targeting toll-like receptor 4 to modulate neuroinflammation in central nervous system disorders. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 865-882.	1.5	131
134	Epigallocatechin-3-gallate downregulates lipopolysaccharide signaling in human aortic endothelial cells by inducing ectodomain shedding of TLR4. <i>European Journal of Pharmacology</i> , 2019, 863, 172692.	1.7	8
135	CEACAM1 regulates the IL-6 mediated fever response to LPS through the RP105 receptor in murine monocytes. <i>BMC Immunology</i> , 2019, 20, 7.	0.9	24
136	Potential Therapies for Infectious Diseases Based on Targeting Immune Evasion Mechanisms That Pathogens Have in Common With Cancer Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 25.	1.8	6
137	Neuromodulatory effect of microbiome on gut-brain axis; new target for obesity drugs. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019, 18, 263-265.	0.8	14
138	Mitigation of ER-stress and inflammation by chemokine (C-C motif) ligand 21 during early pregnancy. <i>Developmental and Comparative Immunology</i> , 2019, 94, 73-84.	1.0	13
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