Newly described pattern recognition receptors team up

Nature Reviews Immunology 13, 551-565 DOI: 10.1038/nri3479

Citation Report

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Targeting Toll-Like Receptors: Promising Therapeutic Strategies for the Management of Sepsis-Associated Pathology and Infectious Diseases. Frontiers in Immunology, 2013, 4, 387. | 2.2 | 232 |
| 2 | Viruses Challenge Selectivity Barrier of Nuclear Pores. Viruses, 2013, 5, 2410-2423. | 1.5 | 17 |
| 3 | Signal transduction of <i>Helicobacter pylori</i> during interaction with host cell protein receptors of epithelial and immune cells. Gut Microbes, 2013, 4, 454-474. | 4.3 | 67 |
| 4 | An Image-Based Genetic Assay Identifies Genes in T1D Susceptibility Loci Controlling Cellular Antiviral Immunity in Mouse. PLoS ONE, 2014, 9, e108777. | 1.1 | 6 |
| 5 | Monocyte/macrophage inflammatory response pathways to combat Francisella infection: possible therapeutic targets?. Frontiers in Cellular and Infection Microbiology, 2014, 4, 18. | 1.8 | 11 |
| 6 | HIV-1 Treated Patients with Undetectable Viral Loads have Lower Levels of Innate Immune Responses via Cytosolic DNA Sensing Systems Compared with Healthy Uninfected Controls. Journal of AIDS & Clinical Research, 2014, 05, . | 0.5 | 5 |
| 7 | Novel role of toll-like receptors in <i>Helicobacter pylori</i> - induced gastric malignancy. World Journal of Gastroenterology, 2014, 20, 5244. | 1.4 | 40 |
| 8 | Ontogeny of the Pulmonary Immune System. , 2014, , 211-222. | | 0 |
| 9 | STAT2 signaling and dengue virus infection. Jak-stat, 2014, 3, e27715. | 2.2 | 17 |
| 10 | Helicase proteins DHX29 and RIG-I cosense cytosolic nucleic acids in the human airway system. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7747-7752. | 3.3 | 53 |
| 11 | Long-term monitoring of capase-3 activity in living cells based on the FRET probe composed of quantum dot, nanogold and EGF. RSC Advances, 2014, 4, 54907-54918. | 1.7 | 17 |
| 12 | Toll-Like Receptor Signaling Pathways. Frontiers in Immunology, 2014, 5, 461. | 2.2 | 2,349 |
| 13 | MicroRNAs: New Regulators of Toll-Like Receptor Signalling Pathways. BioMed Research International, 2014, 2014, 1-14. | 0.9 | 174 |
| 14 | Orthopaedic implant failure: aseptic implant loosening–the contribution and future challenges of mouse models in translational research. Clinical Science, 2014, 127, 277-293. | 1.8 | 48 |
| 15 | Deception and Manipulation: The Arms of Leishmania, a Successful Parasite. Frontiers in Immunology, 2014, 5, 480. | 2.2 | 80 |
| 16 | Pathogen-Specific Immune Fingerprints during Acute Infection: The Diagnostic Potential of Human γδ T-Cells. Frontiers in Immunology, 2014, 5, 572. | 2.2 | 13 |
| 17 | <scp>NOD</scp> â€like receptors interfacing the immune and reproductive systems. FEBS Journal, 2014, 281, 4568-4582. | 2.2 | 53 |
| 18 | The impact of single and pairwise Toll-like receptor activation on neuroinflammation and neurodegeneration. Journal of Neuroinflammation, 2014, 11, 166. | 3.1 | 77 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Detecting specific infections in children through host responses. Current Opinion in Infectious Diseases, 2014, 27, 228-235. | 1.3 | 27 |
| 21 | The Gammaherpesviruses Kaposi's Sarcoma-Associated Herpesvirus and Murine Gammaherpesvirus 68 Modulate the Toll-Like Receptor-Induced Proinflammatory Cytokine Response. Journal of Virology, 2014, 88, 9245-9259. | 1.5 | 51 |
| 22 | Interferon-Induced Protein Ifit2 Protects Mice from Infection of the Peripheral Nervous System by Vesicular Stomatitis Virus. Journal of Virology, 2014, 88, 10303-10311. | 1.5 | 32 |
| 23 | Structural aspects of molecular recognition in the immune system. Part II: Pattern recognition receptors (IUPAC Technical Report). Pure and Applied Chemistry, 2014, 86, 1483-1538. | 0.9 | 6 |
| 24 | Salmonella as a Model for Non-Cognate Th1 Cell Stimulation. Frontiers in Immunology, 2014, 5, 621. | 2.2 | 25 |
| 25 | Regulation of the tolerogenic function of steadyâ€state DCs. European Journal of Immunology, 2014, 44, 927-933. | 1.6 | 40 |
| 26 | Innate and Adaptive Systems of Immunity. , 2014, , 53-68. | | 0 |
| 27 | Innate allorecognition. Immunological Reviews, 2014, 258, 145-149. | 2.8 | 39 |
| 28 | Molecular determinants of sterile inflammation. Current Opinion in Immunology, 2014, 26, 147-156. | 2.4 | 65 |
| 29 | Inflammation and the two-hit hypothesis of schizophrenia. Neuroscience and Biobehavioral Reviews, 2014, 38, 72-93. | 2.9 | 218 |
| 30 | Inflammation in neurodegenerative diseases–Âan update. Immunology, 2014, 142, 151-166. | 2.0 | 434 |
| 31 | Signalling <scp>C</scp> â€Type lectin receptors, microbial recognition and immunity. Cellular Microbiology, 2014, 16, 185-194. | 1.1 | 208 |
| 32 | Cellular Visualization of Macrophage Pyroptosis and Interleukin-1β Release in a Viral Hemorrhagic Infection in Zebrafish Larvae. Journal of Virology, 2014, 88, 12026-12040. | 1.5 | 57 |
| 33 | Innate signaling in the inflammatory immune disorders. Cytokine and Growth Factor Reviews, 2014, 25, 731-738. | 3.2 | 22 |
| 34 | The WNT Signaling Pathway Contributes to Dectin-1-Dependent Inhibition of Toll-Like Receptor-Induced Inflammatory Signature. Molecular and Cellular Biology, 2014, 34, 4301-4314. | 1.1 | 44 |
| 35 | Independent of Plasmacytoid Dendritic Cell (pDC) infection, pDC Triggered by Virus-Infected Cells Mount Enhanced Type I IFN Responses of Different Composition as Opposed to pDC Stimulated with Free Virus. Journal of Immunology, 2014, 193, 2496-2503. | 0.4 | 46 |
| 36 | Distinct Contributions of Interleukin-1α (IL-1α) and IL-1β to Innate Immune Recognition of Pseudomonas aeruginosa in the Lung. Infection and Immunity, 2014, 82, 4204-4211. | 1.0 | 38 |
| 37 | Caspase-8 mediates caspase-1 processing and innate immune defense in response to bacterial blockade of NF-I®B and MAPK signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7385-7390. | 3.3 | 215 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 38 | Toll signal transduction pathway in bivalves: Complete cds of intermediate elements and related gene transcription levels in hemocytes of immune stimulated Mytilus galloprovincialis. Developmental and Comparative Immunology, 2014, 45, 300-312. | 1.0 | 61 |
| 39 | Regulatory tone and mucosal immunity in asthma. International Immunopharmacology, 2014, 23, 330-336. | 1.7 | 7 |
| 40 | Tollâ€like receptors: Role in inflammation and therapeutic potential. BioFactors, 2014, 40, 284-294. | 2.6 | 42 |
| 41 | Nodulation: An unexplored cellular defense mechanism in insects. Cellular Signalling, 2014, 26, 1753-1763. | 1.7 | 83 |
| 42 | Plant pattern-recognition receptors. Trends in Immunology, 2014, 35, 345-351. | 2.9 | 847 |
| 43 | DNA damage repair machinery and HIV escape from innate immune sensing. Frontiers in Microbiology, 2014, 5, 176. | 1.5 | 41 |
| 44 | Doxorubicin-induced necrosis is mediated by poly-(ADP-ribose) polymerase 1 (PARP1) but is independent of p53. Scientific Reports, 2015, 5, 15798. | 1.6 | 87 |
| 45 | Quantification of Cytosolic vs. Vacuolar Salmonella in Primary Macrophages by Differential Permeabilization. Journal of Visualized Experiments, 2015, , e52960. | 0.2 | 14 |
| 46 | Host response to respiratory syncytial virus infection. Current Opinion in Infectious Diseases, 2015, 28, 259-266. | 1.3 | 27 |
| 47 | Selective Manipulation of the Gut Microbiota Improves Immune Status in Vertebrates. Frontiers in Immunology, 2015, 6, 512. | 2.2 | 145 |
| 48 | Sensors of Infection: Viral Nucleic Acid PRRs in Fish. Biology, 2015, 4, 460-493. | 1.3 | 35 |
| 49 | Characterization of a Novel Human-Specific STING Agonist that Elicits Antiviral Activity Against Emerging Alphaviruses. PLoS Pathogens, 2015, 11, e1005324. | 2.1 | 103 |
| 50 | Emerging Roles of an Innate Immune Regulator TAPE in the Toll-Like Receptor and RIG-I-Like Receptor Pathways. , 2015, , 63-74. | | 0 |
| 51 | The Activation Mechanism of 2â€2-5â€2-Oligoadenylate Synthetase Gives New Insights Into OAS/cGAS Triggers of Innate Immunity. Structure, 2015, 23, 851-862. | 1.6 | 61 |
| 52 | Distinguishing the immunostimulatory properties of noncoding RNAs expressed in cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15154-15159. | 3.3 | 69 |
| 53 | A novel probe for multiplexed detection of intracellular proteases based on fret and fluorescence polarization. , 2015, , . | | 0 |
| 54 | How the Innate Immune System Senses Trouble and Causes Trouble. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 1459-1469. | 2.2 | 111 |
| 55 | Interferon regulatory factors: critical mediators of human lupus. Translational Research, 2015, 165, 283-295. | 2.2 | 33 |

| | CITATION | Report | |
|----|--|--------|-----------|
| # | Article | lF | CITATIONS |
| 56 | Zebrafish liver (ZFL) cells are able to mount an anti-viral response after stimulation with Poly (I:C). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2015, 182, 55-63. | 0.7 | 18 |
| 57 | A C-type lectin (LvCTL4) from Litopenaeus vannamei is a downstream molecule of the NF-ήB signaling pathway and participates in antibacterial immune response. Fish and Shellfish Immunology, 2015, 43, 257-263. | 1.6 | 62 |
| 58 | The complement system and toll-like receptors as integrated players in the pathophysiology of atherosclerosis. Atherosclerosis, 2015, 241, 480-494. | 0.4 | 90 |
| 59 | Activation of Human Toll-like Receptor 4 (TLR4)·Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of Burkholderia cenocepacia. Journal of Biological Chemistry, 2015, 290, 21305-21319. | 1.6 | 47 |
| 60 | Unveiling the pathogen behind the vacuole. Nature Reviews Microbiology, 2015, 13, 589-598. | 13.6 | 21 |
| 61 | Correlation of the composition of biominerals with their ability of stimulating intracellular DNA sensors and inflammatory cytokines. Biomaterials, 2015, 54, 106-115. | 5.7 | 7 |
| 62 | What is infectiveness and how is it involved in infection and immunity?. BMC Immunology, 2015, 16, 13. | 0.9 | 20 |
| 63 | Conservation of the STING-Mediated Cytosolic DNA Sensing Pathway in Zebrafish. Journal of Virology, 2015, 89, 7696-7706. | 1.5 | 69 |
| 64 | Interfering with Immunity: Detrimental Role of Type I IFNs during Infection. Journal of Immunology, 2015, 194, 2455-2465. | 0.4 | 72 |
| 65 | Perception of pathogenic or beneficial bacteria and their evasion of host immunity: pattern recognition receptors in the frontline. Frontiers in Plant Science, 2015, 6, 219. | 1.7 | 120 |
| 66 | A RIG-I 2CARD-MAVS200 Chimeric Protein Reconstitutes IFN-β Induction and Antiviral Response in Models Deficient in Type I IFN Response. Journal of Innate Immunity, 2015, 7, 466-481. | 1.8 | 12 |
| 67 | Toll-like receptors: Activation, signalling and transcriptional modulation. Cytokine, 2015, 74, 181-189. | 1.4 | 344 |
| 68 | No Love Lost Between Viruses and Interferons. Annual Review of Virology, 2015, 2, 549-572. | 3.0 | 123 |
| 69 | Formyl peptide receptors at the interface of inflammation, angiogenesis and tumor growth. Pharmacological Research, 2015, 102, 184-191. | 3.1 | 97 |
| 70 | Structural and Functional Basis for p38-MK2-Activated Rsk Signaling in Toll-Like Receptor-Stimulated Dendritic Cells. Molecular and Cellular Biology, 2015, 35, 132-140. | 1.1 | 14 |
| 71 | Siglec1 suppresses antiviral innate immune response by inducing TBK1 degradation via the ubiquitin ligase TRIM27. Cell Research, 2015, 25, 1121-1136. | 5.7 | 137 |
| 72 | Toll-Like Receptor 9 Signaling in Dendritic Cells Regulates Neutrophil Recruitment to Inflammatory Foci following Leishmania infantum Infection. Infection and Immunity, 2015, 83, 4604-4616. | 1.0 | 31 |
| 73 | Heme as a danger molecule in pathogen recognition. Free Radical Biology and Medicine, 2015, 89, 651-661. | 1.3 | 63 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 74 | Enemy attraction: bacterial agonists for leukocyte chemotaxis receptors. Nature Reviews Microbiology, 2015, 13, 95-104. | 13.6 | 61 |
| 75 | Microbial Sensing by Toll-Like Receptors and Intracellular Nucleic Acid Sensors. Cold Spring Harbor Perspectives in Biology, 2015, 7, a016246. | 2.3 | 288 |
| 76 | Potential therapeutic targets in the process of nucleic acid recognition: opportunities and challenges. Trends in Pharmacological Sciences, 2015, 36, 51-64. | 4.0 | 21 |
| 77 | Interferon-Induced Ifit Proteins: Their Role in Viral Pathogenesis. Journal of Virology, 2015, 89, 2462-2468. | 1.5 | 260 |
| 78 | Interferon-Induced Guanylate-Binding Proteins Promote Cytosolic Lipopolysaccharide Detection by Caspase-11. DNA and Cell Biology, 2015, 34, 1-5. | 0.9 | 25 |
| 79 | Beyond the inflammasome: regulatory NOD-like receptor modulation of the host immune response following virus exposure. Journal of General Virology, 2016, 97, 825-838. | 1.3 | 96 |
| 80 | Cellular Aspects of Shigella Pathogenesis: Focus on the Manipulation of Host Cell Processes. Frontiers in Cellular and Infection Microbiology, 2016, 6, 38. | 1.8 | 76 |
| 81 | Cytoskeletal Regulation of Inflammation and Its Impact on Skin Blistering Disease Epidermolysis Bullosa Acquisita. International Journal of Molecular Sciences, 2016, 17, 1116. | 1.8 | 14 |
| 82 | A Comparative Analysis of the Mechanism of Toll-Like Receptor-Disruption by TIR-Containing Protein C from Uropathogenic Escherichia coli. Pathogens, 2016, 5, 25. | 1.2 | 14 |
| 83 | Induction of the type I interferon response in neurological forms of Gaucher disease. Journal of Neuroinflammation, 2016, 13, 104. | 3.1 | 53 |
| 84 | Triggering Receptor Expressed on Myeloid Cells (TREM)-2 Impairs Host Defense in Experimental Melioidosis. PLoS Neglected Tropical Diseases, 2016, 10, e0004747. | 1.3 | 15 |
| 85 | Differential expression of two Câ€ŧype lectins in grass carp <i>Ctenopharyngodon idella</i> and their response to grass carp reovirus. Journal of Fish Biology, 2016, 88, 787-793. | 0.7 | 3 |
| 86 | IFN Regulatory Factors and Antiviral Innate Immunity: How Viruses Can Get Better. Journal of Interferon and Cytokine Research, 2016, 36, 414-432. | 0.5 | 18 |
| 87 | Avr4 promotes Cfâ€4 receptorâ€ŀike protein association with the BAK1/SERK3 receptorâ€ŀike kinase to initiate receptor endocytosis and plant immunity. New Phytologist, 2016, 210, 627-642. | 3.5 | 146 |
| 88 | Impact of the microbial derived short chain fatty acid propionate on host susceptibility to bacterial and fungal infections in vivo. Scientific Reports, 2016, 6, 37944. | 1.6 | 96 |
| 89 | The citrus flavonoid naringenin confers protection in a murine endotoxaemia model through AMPK-ATF3-dependent negative regulation of the TLR4 signalling pathway. Scientific Reports, 2016, 6, 39735. | 1.6 | 66 |
| 90 | Toll-Like Receptor Signaling and Its Inducible Proteins. Microbiology Spectrum, 2016, 4, . | 1.2 | 220 |
| 92 | Innate Immune Receptors. Methods in Molecular Biology, 2016, 1417, 1-43. | 0.4 | 23 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 93 | Effects of Ascophyllum nodosum supplementation on Campylobacter jejuni colonisation, performance and gut health following an experimental challenge in 10day old chicks. Innovative Food Science and Emerging Technologies, 2016, 37, 247-252. | 2.7 | 18 |
| 94 | Biology and Metabolism of Sepsis: Innate Immunity, Bioenergetics, and Autophagy. Surgical Infections, 2016, 17, 286-293. | 0.7 | 45 |
| 95 | Human IFIT1 Inhibits mRNA Translation of Rubulaviruses but Not Other Members of the Paramyxoviridae Family. Journal of Virology, 2016, 90, 9446-9456. | 1.5 | 37 |
| 96 | Mx1 of black carp functions importantly in the antiviral innate immune response. Fish and Shellfish Immunology, 2016, 58, 584-592. | 1.6 | 21 |
| 97 | Inflammasome Activation by Helicobacter pylori and Its Implications for Persistence and Immunity. Current Topics in Microbiology and Immunology, 2016, 397, 117-131. | 0.7 | 43 |
| 98 | Inflammasome Signaling and Bacterial Infections. Current Topics in Microbiology and Immunology, 2016, , . | 0.7 | 6 |
| 99 | Interferon-inducible GTPases in cell autonomous and innate immunity. Cellular Microbiology, 2016, 18, 168-180. | 1.1 | 99 |
| 100 | Innate recognition of microbial-derived signals in immunity and inflammation. Science China Life Sciences, 2016, 59, 1210-1217. | 2.3 | 50 |
| 101 | Strategies Used by Bacteria to Grow in Macrophages. Microbiology Spectrum, 2016, 4, . | 1.2 | 75 |
| 102 | Tomato receptor FLAGELLIN-SENSING 3 binds flgII-28 and activates the plant immune system. Nature Plants, 2016, 2, 16128. | 4.7 | 151 |
| 103 | Molecular-Level Interactions of Polyphosphazene Immunoadjuvants and Their Potential Role in Antigen Presentation and Cell Stimulation. Biomacromolecules, 2016, 17, 3732-3742. | 2.6 | 43 |
| 104 | Prediction of Immunomodulatory potential of an RNA sequence for designing non-toxic siRNAs and RNA-based vaccine adjuvants. Scientific Reports, 2016, 6, 20678. | 1.6 | 18 |
| 105 | Cytosolic DNA Sensor Upregulation Accompanies DNA Electrotransfer in B16.F10 Melanoma Cells. Molecular Therapy - Nucleic Acids, 2016, 5, e322. | 2.3 | 42 |
| 106 | Subversion of Cell-Autonomous Host Defense by Chlamydia Infection. Current Topics in Microbiology and Immunology, 2016, 412, 81-106. | 0.7 | 17 |
| 107 | Stimulating the RIG-I pathway to kill cells in the latent HIV reservoir following viral reactivation. Nature Medicine, 2016, 22, 807-811. | 15.2 | 84 |
| 108 | Inflammasomes: mechanism of assembly, regulation and signalling. Nature Reviews Immunology, 2016, 16, 407-420. | 10.6 | 2,353 |
| 109 | A comparison of plants and animals in their responses to risk of consumption. Current Opinion in Plant Biology, 2016, 32, 1-8. | 3.5 | 22 |
| 110 | Inflammation and Its Mediators. , 2016, , 14-32.e2. | | 3 |

| # | Article | IF | Citations |
|-----|--|------|-----------|
| | The role of toll-like receptors in B-cell development and immunopathogenesis of common variable | | |
| 111 | immunodeficiency. Expert Review of Clinical Immunology, 2016, 12, 195-207. | 1.3 | 19 |
| 112 | A Bacterial Pathogen Targets a Host Rab-Family CTPase Defense Pathway with a GAP. Cell Host and Microbe, 2016, 19, 216-226. | 5.1 | 110 |
| 113 | Integrative analyses of leprosy susceptibility genes indicate a common autoimmune profile. Journal of Dermatological Science, 2016, 82, 18-27. | 1.0 | 22 |
| 114 | Cell biology and immunology lessons taught by Legionella pneumophila. Science China Life Sciences, 2016, 59, 3-10. | 2.3 | 8 |
| 115 | Self-regulation and cross-regulation of pattern-recognition receptor signalling in health and disease. Nature Reviews Immunology, 2016, 16, 35-50. | 10.6 | 477 |
| 116 | Type I IFN–Inducible Downregulation of MicroRNA-27a Feedback Inhibits Antiviral Innate Response by Upregulating Siglec1/TRIM27. Journal of Immunology, 2016, 196, 1317-1326. | 0.4 | 35 |
| 117 | Immunotherapy and tumor microenvironment. Cancer Letters, 2016, 370, 85-90. | 3.2 | 242 |
| 118 | SCIMP is a transmembrane non-TIR TLR adaptor that promotes proinflammatory cytokine production from macrophages. Nature Communications, 2017, 8, 14133. | 5.8 | 45 |
| 119 | The Type II Secretion System of Legionella pneumophila Dampens the MyD88 and Toll-Like Receptor 2 Signaling Pathway in Infected Human Macrophages. Infection and Immunity, 2017, 85, . | 1.0 | 38 |
| 120 | Retinoic acidâ€inducible gene I (<scp>RIG</scp> â€i)â€ike receptors (<scp>RLR</scp> s) in fish: current knowledge and future perspectives. Immunology, 2017, 151, 16-25. | 2.0 | 124 |
| 121 | Pattern recognitions receptors in immunodeficiency disorders. European Journal of Pharmacology, 2017, 808, 49-56. | 1.7 | 23 |
| 122 | Respuesta inmune innata y sus implicaciones fisiopatológicas. Medicine, 2017, 12, 1388-1397. | 0.0 | 0 |
| 123 | Cytosolic DNA Promotes Signal Transducer and Activator of Transcription 3 (STAT3) Phosphorylation by TANK-binding Kinase 1 (TBK1) to Restrain STAT3 Activity. Journal of Biological Chemistry, 2017, 292, 5405-5417. | 1.6 | 29 |
| 124 | Induction of an IFN-Mediated Antiviral Response by a Self-Amplifying RNA Vaccine: Implications for Vaccine Design. Journal of Immunology, 2017, 198, 4012-4024. | 0.4 | 138 |
| 125 | The antiviral signaling mediated by black carp MDA5 is positively regulated by LGP2. Fish and Shellfish Immunology, 2017, 66, 360-371. | 1.6 | 29 |
| 126 | Maternal heterozygous NLRP7 variant results in recurrent reproductive failure and imprinting disturbances in the offspring. European Journal of Human Genetics, 2017, 25, 924-929. | 1.4 | 39 |
| 127 | A Genetic Screen Reveals that Synthesis of 1,4-Dihydroxy-2-Naphthoate (DHNA), but Not Full-Length Menaquinone, Is Required for Listeria monocytogenes Cytosolic Survival. MBio, 2017, 8, . | 1.8 | 28 |
| 128 | DC subset–specific induction of T cell responses upon antigen uptake via Fcγ receptors in vivo. Journal of Experimental Medicine, 2017, 214, 1509-1528. | 4.2 | 53 |

ARTICLE IF CITATIONS # E3 ligase FBXW7 is critical for RIG-I stabilization during antiviral responses. Nature Communications, 129 5.8 51 2017, 8, 14654. Toll-like receptors as a key regulator of mesenchymal stem cell function: An up-to-date review. 1.4 Cellular Immunology, 2017, 315, 1-10. Modelling viral infections using zebrafish: Innate immune response and antiviral research. Antiviral 131 1.9 69 Research, 2017, 139, 59-68. Extracellular nucleosides and nucleotides as immunomodulators. Immunological Reviews, 2017, 280, 98 83-92. ALK is a therapeutic target for lethal sepsis. Science Translational Medicine, 2017, 9, . 133 5.8 90 The role of RNA helicases in aging and lifespan regulation. Translational Medicine of Aging, 2017, 1, 24-31. TBK1 of black carp plays an important role in host innate immune response against SVCV and GCRV. Fish 135 1.6 33 and Shellfish Immunology, 2017, 69, 108-118. Type I interferon is required for T helper (Th) 2 induction by dendritic cells. EMBO Journal, 2017, 36, 3.5 80 2404-2418. 137 Sensing Danger: Key to Activating Plant Immunity. Trends in Plant Science, 2017, 22, 779-791. 4.3 300 Interferons command Trim22 to fight against viruses. Cellular and Molecular Immunology, 2017, 14, 4.8 794-796. Extrachromosomal telomere repeat DNA is linked to ALT development via cGAS-STING DNA sensing 139 103 3.6 pathway. Nature Structural and Molecular Biology, 2017, 24, 1124-1131. Extracellular vesicles in gastrointestinal cancer in conjunction with microbiota: On the border of 3.3 Kingdoms. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 372-393. The cellular autophagy/apoptosis checkpoint during inflammation. Cellular and Molecular Life 141 2.4 62 Sciences, 2017, 74, 1281-1296. Immunogenic cell death in cancer and infectious disease. Nature Reviews Immunology, 2017, 17, 97-111. 142 10.6 2,000 Fatty Acid-Mimetic Micelles for Dual Delivery of Antigens and Imidazoquinoline Adjuvants. ACS 143 2.6 25 Biomaterials Science and Engineering, 2017, 3, 179-194. Host Responses to Infection., 2017, , 26-39.e2. 144 Anti-Inflammatory Cytokines, Soluble Receptors, and Natural Antagonists., 2017, 1363-1376. 145 0 Roles of toll-like receptors: From inflammation to lung cancer progression (Review). Biomedical 146 34 Reports, 2017, 8, 126-132.

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 147 | Toll-Like Receptor Signaling and Its Inducible Proteins. , 0, , 447-453. | | 5 |
| 148 | Strategies Used by Bacteria to Grow in Macrophages. , 2017, , 701-725. | | 7 |
| 149 | Regulation and Sensing of Inflammasomes and Their Impact on Intestinal Health. International Journal of Molecular Sciences, 2017, 18, 2379. | 1.8 | 24 |
| 150 | The Telomeric Response to Viral Infection. Viruses, 2017, 9, 218. | 1.5 | 15 |
| 151 | Evolution of Interferons and Interferon Receptors. Frontiers in Immunology, 2017, 8, 209. | 2.2 | 150 |
| 152 | Inflammasomes in Inflammation-Induced Cancer. Frontiers in Immunology, 2017, 8, 271. | 2.2 | 76 |
| 153 | C-Terminal Domain of Hemocyanin, a Major Antimicrobial Protein from Litopenaeus vannamei: Structural Homology with Immunoglobulins and Molecular Diversity. Frontiers in Immunology, 2017, 8, 611. | 2.2 | 72 |
| 154 | Sirtuin 2 Deficiency Increases Bacterial Phagocytosis by Macrophages and Protects from Chronic Staphylococcal Infection. Frontiers in Immunology, 2017, 8, 1037. | 2.2 | 48 |
| 155 | TRIM25 in the Regulation of the Antiviral Innate Immunity. Frontiers in Immunology, 2017, 8, 1187. | 2.2 | 109 |
| 156 | The murine cytomegalovirus M35 protein antagonizes type I IFN induction downstream of pattern recognition receptors by targeting NF-κB mediated transcription. PLoS Pathogens, 2017, 13, e1006382. | 2.1 | 28 |
| 157 | Modeling DNAÂdamage-induced pneumopathy in mice: insight from danger signaling cascades. Radiation Oncology, 2017, 12, 142. | 1.2 | 25 |
| 158 | Detection Methods for Lipopolysaccharides: Past and Present. , 0, , . | | 13 |
| 159 | Interferon down-regulation of miR-1225-3p as an antiviral mechanism through modulating Grb2-associated binding protein 3 expression. Journal of Biological Chemistry, 2018, 293, 5975-5986. | 1.6 | 8 |
| 160 | Small-molecule inhibition of TLR8 through stabilization of its resting state. Nature Chemical Biology, 2018, 14, 58-64. | 3.9 | 97 |
| 161 | MicroRNA regulation of Toll-like receptor signaling pathways in teleost fish. Fish and Shellfish Immunology, 2018, 75, 32-40. | 1.6 | 57 |
| 162 | Prompt Administration of Antibiotics and Fluids in the Treatment of Sepsis: A Murine Trial*. Critical Care Medicine, 2018, 46, e426-e434. | 0.4 | 27 |
| 163 | Stress-induced cellular responses in immunogenic cell death: Implications for cancer immunotherapy. Biochemical Pharmacology, 2018, 153, 12-23. | 2.0 | 104 |
| 164 | Environmentally Triggerable Retinoic Acid-Inducible Gene I Agonists Using Synthetic Polymer Overhangs. Bioconjugate Chemistry, 2018, 29, 742-747. | 1.8 | 13 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 165 | NOD-like receptor(s) and host immune responses with Pseudomonas aeruginosa infection. Inflammation Research, 2018, 67, 479-493. | 1.6 | 13 |
| 166 | Reishi mushroom Ganoderma lucidum Modulates IgA production and alpha-defensin expression in the rat small intestine. Journal of Ethnopharmacology, 2018, 214, 240-243. | 2.0 | 22 |
| 167 | <scp>IFI</scp> 16 regulates <scp>HTLV</scp> â€1 replication through promoting <scp>HTLV</scp> â€1 <scp>RTI</scp> â€induced innate immune responses. FEBS Letters, 2018, 592, 1693-1704. | 1.3 | 9 |
| 168 | Photobiomodulation Therapy Improves Acute Inflammatory Response in Mice: the Role of Cannabinoid Receptors/ATP-Sensitive K+ Channel/p38-MAPK Signalling Pathway. Molecular Neurobiology, 2018, 55, 5580-5593. | 1.9 | 28 |
| 169 | Lung epithelial cells: therapeutically inducible effectors of antimicrobial defense. Mucosal Immunology, 2018, 11, 21-34. | 2.7 | 151 |
| 171 | Detecting Release of Bacterial dsDNA into the Host Cytosol Using Fluorescence Microscopy. Methods in Molecular Biology, 2018, 1714, 199-213. | 0.4 | 2 |
| 172 | Regulation of MAVS activation through post-translational modifications. Current Opinion in Immunology, 2018, 50, 75-81. | 2.4 | 83 |
| 173 | NOD1 and NOD2: Molecular targets in prevention and treatment of infectious diseases. International Immunopharmacology, 2018, 54, 385-400. | 1.7 | 23 |
| 174 | <i>Helicobacter pylori</i> controls NLRP3 expression by regulating hsa-miR-223-3p and IL-10 in cultured and primary human immune cells. Innate Immunity, 2018, 24, 11-23. | 1.1 | 37 |
| 175 | The role of septins in infections with vacuole-dwelling intracellular bacteria. International Journal of Medical Microbiology, 2018, 308, 25-31. | 1.5 | 1 |
| 176 | Role of Dendritic Cells in Parasitic Infections. , 0, , . | | 3 |
| 177 | Sirtuin 5 Deficiency Does Not Compromise Innate Immune Responses to Bacterial Infections. Frontiers in Immunology, 2018, 9, 2675. | 2.2 | 27 |
| 178 | Pathogen-Derived Extracellular Vesicle-Associated Molecules That Affect the Host Immune System: An Overview. Frontiers in Microbiology, 2018, 9, 2182. | 1.5 | 95 |
| 179 | The Toll Pathway in the Central Nervous System of Flies and Mammals. NeuroMolecular Medicine, 2018, 20, 419-436. | 1.8 | 15 |
| 180 | Innate Immune Recognition Molecules. , 2018, , 43-108. | | 1 |
| 181 | Identification of MAVS as a Novel Risk Factor for the Development of Osteoarthritis. , 2018, 9, 40. | | 2 |
| 182 | Modulation of three key innate immune pathways for the most common retinal degenerative diseases. EMBO Molecular Medicine, 2018, 10, . | 3.3 | 102 |
| 183 | Uncoiling CNLs: Structure/function approaches to understanding CC domain function in plant NLRs. Plant and Cell Physiology, 2018, 59, 2398-2408. | 1.5 | 59 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 184 | Q969R polymorphism in <scp>NLRP</scp> 3 is associated with immune responses to vaccination against bacterial infections in pigs. Animal Science Journal, 2018, 89, 1043-1050. | 0.6 | 3 |
| 185 | Activation of the p53 pathway with digiferrol isolated from Rubia philippinensis induces cell cycle arrest, apoptosis, and autophagy in colon cancer cells. Food and Chemical Toxicology, 2018, 118, 514-522. | 1.8 | 7 |
| 186 | Biology of Chlamydia. Current Topics in Microbiology and Immunology, 2018, , . | 0.7 | 6 |
| 187 | Carp Toll-like receptor 8 (Tlr8): An intracellular Tlr that recruits TIRAP as adaptor and activates AP-1 pathway in immune response. Fish and Shellfish Immunology, 2018, 82, 41-49. | 1.6 | 29 |
| 188 | Efficient Uptake of Recombinant Lipidated Survivin by Antigen-Presenting Cells Initiates Antigen Cross-Presentation and Antitumor Immunity. Frontiers in Immunology, 2018, 9, 822. | 2.2 | 7 |
| 189 | The cGas–Sting Signaling Pathway Is Required for the Innate Immune Response Against Ectromelia Virus. Frontiers in Immunology, 2018, 9, 1297. | 2.2 | 56 |
| 190 | Identification of DEAD-Box RNA Helicase DDX41 as a Trafficking Protein That Involves in Multiple Innate Immune Signaling Pathways in a Zebrafish Model. Frontiers in Immunology, 2018, 9, 1327. | 2.2 | 29 |
| 191 | Siegesbeckia pubescens Makino inhibits Pam3CSK4-induced inflammation in RAW 264.7 macrophages through suppressing TLR1/TLR2-mediated NF-κB activation. Chinese Medicine, 2018, 13, 37. | 1.6 | 26 |
| 192 | The Central Role of the Inflammatory Response in Understanding the Heterogeneity of Sepsis-3. BioMed Research International, 2018, 2018, 1-10. | 0.9 | 38 |
| 193 | Blue-Light Receptors for Optogenetics. Chemical Reviews, 2018, 118, 10659-10709. | 23.0 | 176 |
| 194 | A TRAF3-NIK module differentially regulates DNA vs RNA pathways in innate immune signaling. Nature Communications, 2018, 9, 2770. | 5.8 | 36 |
| 195 | Molecular cloning and characterization of TANK of black carp Mylopharyngodon piceus. Fish and Shellfish Immunology, 2018, 81, 113-120. | 1.6 | 5 |
| 196 | Self-Assembling Ionic Polyphosphazenes and Their Biomedical Applications. ACS Symposium Series, 2018, , 27-49. | 0.5 | 1 |
| 197 | Transcriptional profiles of PBMCs from pigs infected with three genetically diverse porcine reproductive and respiratory syndrome virus strains. Molecular Biology Reports, 2018, 45, 675-688. | 1.0 | 6 |
| 198 | Reduced Trichomonas vaginalis viability in mice pretreated with parasite DNA. Parasitology, 2019, 146, 1636-1645. | 0.7 | 2 |
| 199 | Aberrant Expression of Intracellular let-7e, miR-146a, and miR-155 Correlates with Severity of Depression in Patients with Major Depressive Disorder and Is Ameliorated after Antidepressant Treatment. Cells, 2019, 8, 647. | 1.8 | 53 |
| 200 | Canonical and noncanonical inflammasomes in intestinal epithelial cells. Cellular Microbiology, 2019, 21, e13079. | 1.1 | 39 |
| 201 | Poly (rC) binding protein 2 interacts with VPO and increases the replication of the foot-and-mouth disease virus. Cell Death and Disease, 2019, 10, 516. | 2.7 | 12 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 202 | Impact of the Dual Deletion of the Mitochondrial Sirtuins SIRT3 and SIRT5 on Anti-microbial Host Defenses. Frontiers in Immunology, 2019, 10, 2341. | 2.2 | 21 |
| 203 | The Diversification of Cell Death and Immunity: Memento Mori. Molecular Cell, 2019, 76, 232-242. | 4.5 | 106 |
| 204 | STAT1a and STAT1b of black carp play important roles in the innate immune defense against GCRV. Fish and Shellfish Immunology, 2019, 87, 386-394. | 1.6 | 20 |
| 205 | Cytosolic DNAâ€sensing immune response and viral infection. Microbiology and Immunology, 2019, 63, 51-64. | 0.7 | 58 |
| 206 | Mitochondrial Protein PINK1 Positively Regulates RLR Signaling. Frontiers in Immunology, 2019, 10, 1069. | 2.2 | 27 |
| 207 | Microparticle Depots for Controlled and Sustained Release of Endosomolytic Nanoparticles. Cellular and Molecular Bioengineering, 2019, 12, 429-442. | 1.0 | 9 |
| 208 | Marine Invertebrate Stress Responses to Virus Infection. , 2019, , 63-104. | | 0 |
| 209 | Sensing of cell-associated HTLV by plasmacytoid dendritic cells is regulated by dense β-galactoside glycosylation. PLoS Pathogens, 2019, 15, e1007589. | 2.1 | 24 |
| 210 | NLRX1 of black carp suppresses MAVS-mediated antiviral signaling through its NACHT domain. Developmental and Comparative Immunology, 2019, 96, 68-77. | 1.0 | 27 |
| 211 | Cathelicidin is a "fire alarmâ€; generating protective NLRP3-dependent airway epithelial cell inflammatory responses during infection with Pseudomonas aeruginosa. PLoS Pathogens, 2019, 15, e1007694. | 2.1 | 35 |
| 212 | Protopine isolated from <scp><i>Nandina domestica</i></scp> induces apoptosis and autophagy in colon cancer cells by stabilizing p53. Phytotherapy Research, 2019, 33, 1689-1696. | 2.8 | 31 |
| 213 | Pathogen Sensing: Toll-Like Receptors and NODs (Innate Immunity). , 2019, , . | | 1 |
| 214 | NOD-like receptors and inflammasomes: A review of their canonical and non-canonical signaling pathways. Archives of Biochemistry and Biophysics, 2019, 670, 4-14. | 1.4 | 250 |
| 215 | Dual Deletion of the Sirtuins SIRT2 and SIRT3 Impacts on Metabolism and Inflammatory Responses of Macrophages and Protects From Endotoxemia. Frontiers in Immunology, 2019, 10, 2713. | 2.2 | 17 |
| 216 | The E-Cadherin Cleavage Associated to Pathogenic Bacteria Infections Can Favor Bacterial Invasion and Transmigration, Dysregulation of the Immune Response and Cancer Induction in Humans. Frontiers in Microbiology, 2019, 10, 2598. | 1.5 | 44 |
| 217 | Interplays between Enterovirus A71 and the innate immune system. Journal of Biomedical Science, 2019, 26, 95. | 2.6 | 19 |
| 218 | Negative Regulation of Cytosolic Sensing of DNA. International Review of Cell and Molecular Biology, 2019, 344, 91-115. | 1.6 | 18 |
| 219 | Identification of NPAC as a novel biomarker and regulator for hepatocellular carcinoma. Journal of Cellular Biochemistry, 2019, 120, 8228-8237. | 1.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 220 | Inflammasomes, Autophagy, and Cell Death: The Trinity of Innate Host Defense against Intracellular Bacteria. Mediators of Inflammation, 2019, 2019, 1-10. | 1.4 | 99 |
| 221 | Synergistic interactions between NOD receptors and TLRs: Mechanisms and clinical implications. Journal of Leukocyte Biology, 2019, 105, 669-680. | 1.5 | 50 |
| 222 | Regulation of signaling by cooperative assembly formation in mammalian innate immunity signalosomes by molecular mimics. Seminars in Cell and Developmental Biology, 2020, 99, 96-114. | 2.3 | 16 |
| 223 | Innate and Adaptive Systems of Immunity. , 2020, , 45-61. | | Ο |
| 224 | Titanium dioxide nanoparticles temporarily influence the sea urchin immunological state suppressing inflammatory-relate gene transcription and boosting antioxidant metabolic activity. Journal of Hazardous Materials, 2020, 384, 121389. | 6.5 | 43 |
| 225 | Cloning and functional analysis the first NLRC4-like gene from the sea cucumber Apostichopus japonicus. Developmental and Comparative Immunology, 2020, 104, 103541. | 1.0 | 8 |
| 226 | Web of interferon stimulated antiviral factors to control the influenza A viruses replication. Microbial Pathogenesis, 2020, 139, 103919. | 1.3 | 16 |
| 227 | Timeâ€resolved dual RNAâ€seq of tissue uncovers <scp><i>Pseudomonas plecoglossicida</i></scp> key virulence genes in hostâ€pathogen interaction with <scp><i>Epinephelus coioides</i></scp> . Environmental Microbiology, 2020, 22, 677-693. | 1.8 | 66 |
| 228 | Innate immune responses triggered by nucleic acids inspire the design of immunomodulatory nucleic acid nanoparticles (NANPs). Current Opinion in Biotechnology, 2020, 63, 8-15. | 3.3 | 45 |
| 229 | Harnessing the Complete Repertoire of Conventional Dendritic Cell Functions for Cancer Immunotherapy. Pharmaceutics, 2020, 12, 663. | 2.0 | 24 |
| 230 | Innate immune responses in RNA viral infection. Frontiers of Medicine, 2021, 15, 333-346. | 1.5 | 20 |
| 231 | Regulation of Gut Microbiota on Immune Reconstitution in Patients With Acquired Immunodeficiency Syndrome. Frontiers in Microbiology, 2020, 11, 594820. | 1.5 | 26 |
| 232 | Cytokine Storm in COVID-19: The Current Evidence and Treatment Strategies. Frontiers in Immunology, 2020, 11, 1708. | 2.2 | 835 |
| 233 | Innate Immune Receptors, Key Actors in Cardiovascular Diseases. JACC Basic To Translational Science, 2020, 5, 735-749. | 1.9 | 45 |
| 234 | Emerging Adjuvants for Cancer Immunotherapy. Frontiers in Chemistry, 2020, 8, 601. | 1.8 | 28 |
| 235 | Chemical Strategies to Boost Cancer Vaccines. Chemical Reviews, 2020, 120, 11420-11478. | 23.0 | 95 |
| 236 | Exploring novel therapeutic strategies against vivax malaria through an integrated computational investigation to inhibit the merozoite surface proteinâ^'1 of Plasmodium vivax. Informatics in Medicine Unlocked, 2020, 21, 100471. | 1.9 | 2 |
| 237 | Labeo rohita Mx1 exhibits the critical structural motifs of the family of large GTPases of mammals and is activated by rhabdovirus vaccination and bacterial RNA stimulations. Animal Biotechnology, 2020, , 1-21. | 0.7 | 1 |

ARTICLE IF CITATIONS # Complex Network Characterization Using Graph Theory and Fractal Geometry: The Case Study of Lung 238 1.3 19 Cancer DNA Sequences. Applied Sciences (Switzerland), 2020, 10, 3037. Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. Cell, 2020, 181, 13.5 139 1080-1096.e19. Pattern Recognition Receptor Ligands as an Emerging Therapeutic Agent for Latent HIV-1 Infection. 240 1.8 8 Frontiers in Cellular and Infection Microbiology, 2020, 10, 216. The Cytomegalovirus Tegument Protein UL35 Antagonizes Pattern Recognition Receptor-Mediated Type I 241 IFN Transcription. Microorganisms, 2020, 8, 790. Dietary genistein supplementation protects against lipopolysaccharide-induced intestinal injury 242 1.5 20 through altering transcriptomic profile. Poultry Science, 2020, 99, 3411-3427. Nanomedicine and Onco-Immunotherapy: From the Bench to Bedside to Biomarkers. Nanomaterials, 2020, 10, 1274. Phospho-Tyr705 of STAT3 is a therapeutic target for sepsis through regulating inflammation and 244 2.7 29 coagulation. Cell Communication and Signaling, 2020, 18, 104. Co-delivery of antigen and dual adjuvants by aluminum hydroxide nanoparticles for enhanced immune 4.8 responses. Journal of Controlled Release, 2020, 326, 120-130. Microtubule-Mediated NLRP3 Inflammasome Activation Is Independent of Microtubule-Associated 246 Innate Immune Factor GEF-H1 in Murine Macrophages. International Journal of Molecular Sciences, 1.8 4 2020, 21, 1302. Black carp NAP1 positively regulates MDA5-mediated antiviral signaling during the innate immune 247 1.0 activation. Developmental and Comparative Immunology, 2020, 107, 103659 Pharmacological Inhibition of Caspase-8 Suppresses Inflammation-Induced Angiogenesis in the Cornea. 248 1.8 6 Biomolecules, 2020, 10, 210. The clearance of dead cells by efferocytosis. Nature Reviews Molecular Cell Biology, 2020, 21, 398-414. 16.1 395 Consensus guidelines for the definition, detection and interpretation of immunogenic cell death. 250 610 2020, 8, e000337. Black carp TRAFD1 restrains MAVS-mediated antiviral signaling during the innate immune activation. 1.6 Fish and Shellfish Immunology, 2020, 103, 66-72. NAMPT and NAPRT: Two Metabolic Enzymes With Key Roles in Inflammation. Frontiers in Oncology, 252 1.3 117 2020, 10, 358. Molecular and functional identification of a short-type peptidoglycan recognition protein, PGRP-S, in the Chinese soft-shelled turtle Pelodiscus sinensis. Developmental and Comparative Immunology, 2021, 117, 103965. NLR in eXile: Emerging roles of NLRX1 in immunity and human disease. Immunology, 2021, 162, 268-280. 254 2.0 30 Enhancing Immunity with Nanomedicine: Employing Nanoparticles to Harness the Immune System. ACS 34 Nano, 2021, 15, 7-20.

| | CITATION | CITATION REPORT | |
|-----|---|-----------------|-----------|
| # | Article | IF | CITATIONS |
| 256 | Chicken optineurin suppresses MDA5-mediated interferon \hat{I}^2 production. Poultry Science, 2021, 100, 9-18. | 1.5 | 6 |
| 257 | Grass carp Mre11A activates IFN 1 response by targeting STING to defend against GCRV infection. Developmental and Comparative Immunology, 2021, 116, 103909. | 1.0 | 4 |
| 258 | CUL4B negatively regulates Toll-like receptor-triggered proinflammatory responses by repressing Pten transcription. Cellular and Molecular Immunology, 2021, 18, 339-349. | 4.8 | 14 |
| 259 | Emerging roles of microRNAs in the regulation of Toll-like receptor (TLR)-signaling. Frontiers in Bioscience - Landmark, 2021, 26, 771-796. | 3.0 | 20 |
| 260 | Mechanisms of immunogenic cell death and immune checkpoint blockade therapy. Kaohsiung Journal of Medical Sciences, 2021, 37, 448-458. | 0.8 | 15 |
| 262 | Tumor Necrosis Factor-α-Induced Protein 8-Like 2 Negatively Regulates Innate Immunity Against RNA Virus by Targeting RIG-I in Macrophages. Frontiers in Immunology, 2021, 12, 642715. | 2.2 | 6 |
| 263 | Black carp TRADD suppresses MAVS/IFN signaling during the innate immune activation. Fish and Shellfish Immunology, 2021, 111, 83-93. | 1.6 | 8 |
| 264 | Transcriptome-wide identification and characterization of toll-like receptors response to Vibrio anguillarum infection in Manila clam (Ruditapes philippinarum). Fish and Shellfish Immunology, 2021, 111, 49-58. | 1.6 | 15 |
| 265 | Helicobacter pylori Outer Membrane Vesicles and Extracellular Vesicles from Helicobacter pylori-Infected Cells in Gastric Disease Development. International Journal of Molecular Sciences, 2021, 22, 4823. | 1.8 | 24 |
| 266 | Immunopotentiating and Delivery Systems for HCV Vaccines. Viruses, 2021, 13, 981. | 1.5 | 7 |
| 267 | Bioresponsive immune-booster-based prodrug nanogel for cancer immunotherapy. Acta Pharmaceutica Sinica B, 2022, 12, 451-466. | 5.7 | 66 |
| 268 | Innate allorecognition in transplantation. Journal of Heart and Lung Transplantation, 2021, 40, 557-561. | 0.3 | 17 |
| 269 | Involvement of Innate Immune Receptors in the Resolution of Acute Hepatitis B in Woodchucks. Frontiers in Immunology, 2021, 12, 713420. | 2.2 | 2 |
| 270 | Lipopeptides for Vaccine Development. Bioconjugate Chemistry, 2021, 32, 1472-1490. | 1.8 | 28 |
| 271 | Application of Mannoseâ€Functionalized Microgel as a Novel Vaccine Delivery Platform for Subunit Vaccines. Advanced Functional Materials, 2021, 31, 2105742. | 7.8 | 9 |
| 272 | MAVS splicing variants associated with TRAF3 and TRAF6 in NF-κB and IRF3 signaling pathway in large yellow croaker Larimichthys crocea. Developmental and Comparative Immunology, 2021, 121, 104076. | 1.0 | 10 |
| 273 | Imaging Approaches to Monitor Inflammasome Activation. Journal of Molecular Biology, 2022, 434, 167251. | 2.0 | 11 |
| 274 | Black carp TUFM collaborates with NLRX1 to inhibit MAVS-mediated antiviral signaling pathway. Developmental and Comparative Immunology, 2021, 122, 104134. | 1.0 | 9 |

ARTICLE IF CITATIONS A review of methods for detecting single-nucleotide polymorphisms in the Toll-like receptor gene 275 0.6 0 family. Biomarkers in Medicine, 2021, 15, 1187-1198. Trained Immunity Confers Prolonged Protection From Listeriosis. Frontiers in Immunology, 2021, 12, 276 2.2 723393. MAVS: A Two-Sided CARD Mediating Antiviral Innate Immune Signaling and Regulating Immune 277 1.5 11 Homeostasis. Frontiers in Microbiology, 2021, 12, 744348. Interaction of Salmonella Gallinarum and Salmonella Enteritidis with peripheral leucocytes of hens 1.1 with different laying performance. Veterinary Research, 2021, 52, 123. Investigation of TLR1-9 genes and miR-155 expression in dogs infected with canine distemper. 279 0.7 5 Comparative Immunology, Microbiology and Infectious Diseases, 2021, 79, 101711. 280 Innate and adaptive immunity in cancer., 2022, , 19-61. The Sp1-Responsive microRNA-15b Negatively Regulates Rhabdovirus-Triggered Innate Immune Responses 281 2.2 11 in Lower Vertebrates by Targeting TBK1. Frontiers in Immunology, 2020, 11, 625828. Antigen in theÂPresence of DAMPs Induces Immunostimulatory Dendritic Cells to Promote Destructive Adaptive Immune Responses. , 2018, , 749-790. In silico identification of potential inhibitors against human 2'-5'- oligoadenylate synthetase (OAS) 283 1.1 9 proteins. Computational Biology and Chemistry, 2020, 85, 107211. Preclinical and Clinical Drug-metabolism, Pharmacokinetics and Safety of Therapeutic 284 0.2 Oligonucleotides. RSC Drug Discovery Series, 2019, , 474-531. Recent insights into the implications of metabolism in plasmacytoid dendritic cell innate functions: 286 0.8 16 Potential ways to control these functions. F1000Research, 2017, 6, 456. Recent insights into the implications of metabolism in plasmacytoid dendritic cell innate functions: 0.8 Potential ways to control these functions. F1000Research, 2017, 6, 456. IFIT1 Expression Patterns Induced by H9N2 Virus and Inactivated Viral Particle in Human Umbilical Vein 288 1.0 14 Endothelial Cells and Bronchus Epithelial Cells. Molecules and Cells, 2018, 41, 271-281. Toll-like Receptor (TLR) and Nucleotide-Binding Oligomerization Domain (NOD) Signaling during Vibrio 11.0 cholerae Infection. MOJ Immunology, 2015, 2, . Innate Immunity Sensors Participating in Pathophysiology of Joint Diseases: A Brief Overview. Journal 290 0.2 8 of Long-Term Effects of Medical Implants, 2014, 24, 297-317. Interferon-inducible protein (IFI) 16 regulates Chikungunya and Zika virus infection in human skin fibroblasts. EXCLI Journal, 2019, 18, 467-476. Tumor cell death after electrotransfer of plasmid DNA is associated with cytosolic DNA sensor 292 0.8 20 upregulation. Oncotarget, 2018, 9, 18665-18681. A novel prognostic biomarker SPC24 up-regulated in hepatocellular carcinoma. Oncotarget, 2015, 6, 293 41383-41397.

ARTICLE IF CITATIONS # The Next Generation of Pattern Recognition Receptor Agonists: Improving Response Rates in Cancer 294 1.2 13 Immunotherapy. Current Medicinal Chemistry, 2020, 27, 5654-5674. Improving DNA Vaccine Performance Through Vector Design. Current Gene Therapy, 2014, 14, 170-189. Periodontal Pathogens and Neuropsychiatric Health. Current Topics in Medicinal Chemistry, 2020, 20, 296 1.0 11 1353-1397. Molecular Mechanisms Used by <i>Salmonella</i> to Evade the Immune System. Current Issues in Molecular Biology, 2018, 25, 133-168. Role of Cyclic di-GMP in the Bacterial Virulence and Evasion of the Plant Immunity. Current Issues in 298 1.0 14 Molecular Biology, 2018, 25, 199-222. TMEM173 Alternative Spliced Isoforms Modulate Viral Replication through the STING Pathway. 299 0.8 ImmunoHorizons, 2018, 2, 363-376. Thein vivoandin vitroRoles of Epithelial Pattern Recognition Receptors in Pneumococcal Infections. 300 0.0 6 Journal of Bacteriology and Virology, 2014, 44, 121. IL-10 Inhibits LPS-Induced Expression of miR-147 in Murine Macrophages. Advances in Biological 301 0.2 Chemistry, 2014, 04, 261-273. Temporal Transcriptional Regulation of IL-10-Induced Anti-Inflammatory Genes in LPS-Triggered 302 0.5 4 Macrophages. Open Journal of Immunology, 2014, 04, 96-116. Host-induced bacterial cell wall decomposition mediates pattern-triggered immunity in Arabidopsis. 2.8 ELife, 2014, 3, . The Detrimental Role of Type I Interferon Signaling During Infection with Salmonella typhimurium., 305 0 2014, , 79-86. Immunoglobulins in Cerebrospinal Fluid., 2015, , 115-129. 306 Advances in LRRFIP Family. Advances in Marine Sciences, 2016, 03, 58-63. 307 0.2 0 Immune Activation in the Liver by Nucleic Acids. Journal of Clinical and Translational Hepatology, 308 2016, 4, 151-7. Regulatory T Cell Therapy in Transplantation., 2017, , 303-318. 309 0 Toll benzeri reseptörler. Mehmet Akif Ersoy Üniversitesi SaÄŸlık Bilimleri Enstitüsü Dergisi, 2017, 5, 0.3 179-191. 311 A key receptor in apoptosis: Toll-like receptor 3 (TLR3).., 2018, 02, . 0 Assay for high-throughput screening of inhibitors of the ASC-PYD inflammasome core filament. Cell 1.4 Stress, 2018, 2, 82-90.

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 313 | Introduction to Microbes and Infection in the Modern World. Biomaterials Science Series, 2019, , 38-67. | 0.1 | 0 |
| 314 | The Role of Toll-Like Receptors in Breast Cancer. The Journal of Qazvin University of Medical Sciences, 0, , 262-277. | 0.1 | Ο |
| 315 | Interrelationship between Toll-like receptors and infection after orthotopic liver transplantation. World Journal of Transplantation, 2020, 10, 162-172. | 0.6 | 3 |
| 316 | Gmbak1 and gmfls2, two genes response to bacterials disease of soybean. E3S Web of Conferences, 2020, 203, 02001. | 0.2 | 1 |
| 317 | Avoidance of the NLRP3 Inflammasome by the Stealth Pathogen, <i>Coxiella burnetii</i> . Veterinary Pathology, 2021, 58, 624-642. | 0.8 | 4 |
| 320 | A new way to detect the danger: Lysosomal cell death induced by a bacterial ribosomal protein. Journal of Nature and Science, 2015, 1, . | 1.1 | 1 |
| 321 | Role of ultrasound and microbubble-mediated heat shock protein 72 siRNA on ischemia-reperfusion liver injury in rat. International Journal of Clinical and Experimental Medicine, 2015, 8, 5746-52. | 1.3 | 3 |
| 322 | Basic virological aspects of SARS-CoV-2. , 2022, , 1-30. | | 0 |
| 323 | Macrophages in Microbial Pathogenesis: Commonalities of Defense Evasion Mechanisms. Infection and Immunity, 2022, 90, IAI0029121. | 1.0 | 5 |
| 324 | Photosensitizer Nanodot Eliciting Immunogenicity for Photoâ€Immunologic Therapy of Postoperative Methicillinâ€Resistant <i>Staphylococcus aureus</i> Infection and Secondary Recurrence. Advanced Materials, 2022, 34, e2107300. | 11.1 | 44 |
| 325 | The cGAS-STING Pathway in Bacterial Infection and Bacterial Immunity. Frontiers in Immunology, 2021, 12, 814709. | 2.2 | 42 |
| 326 | A Comprehensive Computational Investigation into the Conserved Virulent Proteins of Shigella species Unveils Potential Small-Interfering RNA Candidates as a New Therapeutic Strategy against Shigellosis. Molecules, 2022, 27, 1936. | 1.7 | 0 |
| 327 | Systemic nano-delivery of low-dose STING agonist targeted to CD103+ dendritic cells for cancer immunotherapy. Journal of Controlled Release, 2022, 345, 721-733. | 4.8 | 25 |
| 328 | A newly identified NLR-like gene participates in bacteria and virus infection possibly through regulating hemocytes apoptosis in shrimp. Developmental and Comparative Immunology, 2022, 132, 104395. | 1.0 | 5 |
| 329 | A unique NLRC4 receptor from echinoderms mediates Vibrio phagocytosis via rearrangement of the cytoskeleton and polymerization of F-actin. PLoS Pathogens, 2021, 17, e1010145. | 2.1 | 10 |
| 330 | Fabrication and characterization of Chinese yam polysaccharides PLGA nanoparticles stabilized Pickering emulsion as an efficient adjuvant. International Journal of Biological Macromolecules, 2022, 209, 513-524. | 3.6 | 13 |
| 346 | Effects of a multicomponent microbial feed additive containing prebiotics and probiotics on health, immune status, metabolism, and performance of newly weaned beef steers during a 35-d receiving period. Translational Animal Science, 2022, 6, . | 0.4 | 5 |
| 347 | Catching a killer: Mechanisms of programmed cell death and immune activation in Amyotrophic Lateral Sclerosis. Immunological Reviews, 2022, 311, 130-150. | 2.8 | 9 |

| # | Article | IF | Citations |
|-----|---|-----|-----------|
| 348 | A genetic screen identifies a protective type III interferon response to Cryptosporidium that requires TLR3 dependent recognition. PLoS Pathogens, 2022, 18, e1010003. | 2.1 | 16 |
| 349 | Poroptosis: A form of cell death depending on plasma membrane nanopores formation. IScience, 2022, 25, 104481. | 1.9 | 6 |
| 350 | Expresión de los componentes del inflamasoma y su relación con los marcadores de riesgo cardiovascular en personas con infección por HIV-1. Biomedica, 2022, 42, 239-241. | 0.3 | 0 |
| 351 | Dendritic cells in systemic lupus erythematosus: From pathogenesis to therapeutic applications. Journal of Autoimmunity, 2022, 132, 102856. | 3.0 | 23 |
| 352 | Molecular Cloning and Characterization of tlr1, tlr5s, tlr5m, and tlr14 Genes in the Swamp Eel, Monopterus albus. Fishes, 2022, 7, 177. | 0.7 | 0 |
| 353 | Association of rare variants in genes of immune regulation with pediatric autoimmune CNS diseases. Journal of Neurology, 0, , . | 1.8 | 1 |
| 354 | Modes of action and diagnostic value of miRNAs in sepsis. Frontiers in Immunology, 0, 13, . | 2.2 | 12 |
| 355 | Molecular and functional characterization of zinc ï¬nger aspartate-histidine-histidine-cysteine (DHHC)-type containing 1, ZDHHC1 in Chinese perch Siniperca chuatsi. Fish and Shellfish Immunology, 2022, 130, 215-222. | 1.6 | 2 |
| 356 | Bacterial pathogen-associated molecular patterns (PAMPs) upregulate human glucocorticoid receptor expression in peripheral blood mononuclear cells. Shock, 0, Publish Ahead of Print, . | 1.0 | 0 |
| 357 | Rational Design of T-Cell- and B-Cell-Based Therapeutic Cancer Vaccines. Accounts of Chemical Research, 2022, 55, 2660-2671. | 7.6 | 12 |
| 358 | Comparative Transcriptome Analysis of Head Kidney of Aeromonas hydrophila-infected Hypoxia-tolerant and Normal Large Yellow Croaker. Marine Biotechnology, 2022, 24, 1039-1054. | 1.1 | 4 |
| 359 | A transcriptomic analysis of the effects of macrophage polarization and endotoxin tolerance on the response to Salmonella. PLoS ONE, 2022, 17, e0276010. | 1.1 | 1 |
| 361 | The Role of Electrostatic Interactions in IFIT5-RNA Complexes Predicted by the UBDB+EPMM Method. Journal of Physical Chemistry B, 2022, 126, 9152-9167. | 1.2 | 2 |
| 362 | Superparamagnetic Iron Oxide Nanoparticles for Immunotherapy of Cancers through Macrophages and Magnetic Hyperthermia. Pharmaceutics, 2022, 14, 2388. | 2.0 | 16 |
| 363 | Infection and disruption of placental multidrug resistance (MDR) transporters: Implications for fetal drug exposure. Toxicology and Applied Pharmacology, 2023, 459, 116344. | 1.3 | 4 |
| 364 | Microbiota in a long survival discourse with the human host. Archives of Microbiology, 2023, 205, . | 1.0 | 4 |
| 365 | SARS-CoV-2 induces "cytokine storm―hyperinflammatory responses in RA patients through pyroptosis. Frontiers in Immunology, 0, 13, . | 2.2 | 8 |
| 366 | Post-translational modifications and regulations of RLR signaling molecules in cytokines-mediated response in fish. Developmental and Comparative Immunology, 2023, 141, 104631. | 1.0 | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 367 | RBP–RNA interactions in the control of autoimmunity and autoinflammation. Cell Research, 2023, 33, 97-115. | 5.7 | 18 |
| 368 | Ste20-Like Kinase TAOK1 Positively Regulates Antiviral Responses by Controlling the TBK1-IRF3 Signaling Axis. Journal of Innate Immunity, 2023, 15, 380-396. | 1.8 | 0 |
| 369 | Mechanisms of gastrointestinal pathogenesis and landscape of intestinal immunity. , 2023, , 863-913. | | 2 |
| 370 | Autoimmune diseases. , 2023, , 123-244. | | 2 |
| 371 | Immunogenic cell death: The cornerstone of oncolytic viro-immunotherapy. Frontiers in Immunology, 0, 13, . | 2.2 | 6 |
| 372 | Potential health risks of mRNA-based vaccine therapy: A hypothesis. Medical Hypotheses, 2023, 171, 111015. | 0.8 | 4 |
| 373 | SLAMF7 regulates the inflammatory response in macrophages during polymicrobial sepsis. Journal of Clinical Investigation, 2023, 133, . | 3.9 | 7 |
| 374 | The prognostic value and response to immunotherapy of immunogenic cell death-associated genes in breast cancer. Frontiers in Oncology, 0, 13, . | 1.3 | 2 |
| 375 | Identification and characterization of two long-type peptidoglycan recognition proteins, PGRP-L1 and PGRP-L2, in the orange-spotted grouper, Epinephelus coioides. Fish and Shellfish Immunology, 2023, 134, 108580. | 1.6 | 1 |
| 376 | Mitochondrial DNA in cell death and inflammation. Biochemical Society Transactions, 2023, 51, 457-472. | 1.6 | 5 |
| 386 | Noncanonical NLRP3 Inflammasome Activation: Standard Protocols. Methods in Molecular Biology, 2023, , 123-134. | 0.4 | 0 |