

The <scp>NLRC</scp>4 Inflammasome

Immunological Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction to the interleukin-1 family of cytokines and receptors: Drivers of innate inflammation and acquired immunity. <i>Immunological Reviews</i> , 2018, 281, 5-7.	2.8	57
2	(IR)Factor for NAIP Expression. <i>Cell</i> , 2018, 173, 817-819.	13.5	1
3	New autoinflammatory diseases. <i>Current Opinion in Pediatrics</i> , 2018, 30, 837-847.	1.0	5
4	Host lipid sensing promotes invasion of cells with pathogenic <i>Salmonella</i> . <i>Scientific Reports</i> , 2018, 8, 15501.	1.6	12
5	Targeting NLRP3 Inflammasome in the Treatment of CNS Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 320.	1.4	87
6	Induction of NLRP3 Inflammasome Activation by Heme in Human Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	1.9	82
7	The role of acid sphingomyelinase and modulation of sphingolipid metabolism in bacterial infection. <i>Biological Chemistry</i> , 2018, 399, 1135-1146.	1.2	18
8	Role of Inflammasome in Chronic Kidney Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1165, 407-421.	0.8	33
9	Amentoflavone Affects Epileptogenesis and Exerts Neuroprotective Effects by Inhibiting NLRP3 Inflammasome. <i>Frontiers in Pharmacology</i> , 2019, 10, 856.	1.6	63
10	Responding to Threats Both Foreign and Domestic: NOD-Like Receptors in Corals. <i>Integrative and Comparative Biology</i> , 2019, 59, 819-829.	0.9	7
11	WDR90 is a new component of the NLRC4 inflammasome involved in <i>Salmonella Typhimurium</i> resistance. <i>Developmental and Comparative Immunology</i> , 2019, 100, 103428.	1.0	6
12	HSC70 regulates cold-induced caspase-1 hyperactivation by an autoinflammation-causing mutant of cytoplasmic immune receptor NLRC4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21694-21703.	3.3	19
13	The IL-1 family of cytokines and receptors in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2019, 15, 612-632.	3.5	247
14	The Immunology of Macrophage Activation Syndrome. <i>Frontiers in Immunology</i> , 2019, 10, 119.	2.2	448
15	Inflammasome as a promising therapeutic target for cancer. <i>Life Sciences</i> , 2019, 231, 116593.	2.0	55
16	Inhibitor of apoptosis proteins in human health and disease. <i>Genes and Immunity</i> , 2019, 20, 641-650.	2.2	39
17	Pleiotropic <i>Clostridioides difficile</i> Cyclophilin PpiB Controls Cysteine-Tolerance, Toxin Production, the Central Metabolism and Multiple Stress Responses. <i>Frontiers in Pharmacology</i> , 2019, 10, 340.	1.6	7
18	<i>Chrysanthemum indicum</i> extract inhibits NLRP3 and AIM2 inflammasome activation via regulating ASC phosphorylation. <i>Journal of Ethnopharmacology</i> , 2019, 239, 111917.	2.0	23

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19	Innate immunity in allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1660-1674.	2.7	44
20	The lncRNA Neat1 promotes activation of inflammasomes in macrophages. <i>Nature Communications</i> , 2019, 10, 1495.	5.8	323
21	Interleukin-18 in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 649.	1.8	325
22	Optimized protocols for studying the NLRP3 inflammasome and assessment of potential targets of CP-453,773 in undifferentiated THP1 cells. <i>Journal of Immunological Methods</i> , 2019, 467, 19-28.	0.6	8
23	Recent advances in the mechanisms of NLRP3 inflammasome activation and its inhibitors. <i>Cell Death and Disease</i> , 2019, 10, 128.	2.7	835
24	Analysis of substitution rates showed that TLR5 is evolving at different rates among mammalian groups. <i>BMC Evolutionary Biology</i> , 2019, 19, 221.	3.2	11
25	Interleukin-18 in pediatric rheumatic diseases. <i>Current Opinion in Rheumatology</i> , 2019, 31, 421-427.	2.0	23
26	<i>Klebsiella pneumoniae</i> infection biology: living to counteract host defences. <i>FEMS Microbiology Reviews</i> , 2019, 43, 123-144.	3.9	322
27	How the Respiratory Epithelium Senses and Reacts to Influenza Virus. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 259-268.	1.4	21
28	Oxidized hemoglobin forms contribute to NLRP3 inflammasome-driven IL-1 β production upon intravascular hemolysis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 464-475.	1.8	33
29	The <i>Salmonella</i> pathogenicity island-2 subverts human NLRP3 and NLRC4 inflammasome responses. <i>Journal of Leukocyte Biology</i> , 2019, 105, 401-410.	1.5	38
30	A novel de novo NLRC4 mutation reinforces the likely pathogenicity of specific LRR domain mutation. <i>Clinical Immunology</i> , 2020, 211, 108328.	1.4	24
31	NLRC4 inflammasome has a protective role on inflammatory bone resorption in a murine model of periodontal disease. <i>Immunobiology</i> , 2020, 225, 151855.	0.8	7
32	Inflammation and Inflammasomes: Pros and Cons in Tumorigenesis. <i>Journal of Immunology Research</i> , 2020, 2020, 1-15.	0.9	16
33	Inflammasomes in cancer: Effect of epigenetic and autophagic modulations. <i>Seminars in Cancer Biology</i> , 2020, . .	4.3	15
34	Mechanistic insights into the role of pyroptosis in rheumatoid arthritis. <i>Current Research in Translational Medicine</i> , 2020, 68, 151-158.	1.2	27
35	Current treatment options and safety considerations when treating adult-onset Still's disease. <i>Expert Opinion on Drug Safety</i> , 2020, 19, 1549-1558.	1.0	15
36	ATP-Binding and Hydrolysis in Inflammasome Activation. <i>Molecules</i> , 2020, 25, 4572.	1.7	43

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37	Profiling the Course of Resolving vs. Persistent Inflammation in Human Monocytes: The Role of IL-1 Family Molecules. <i>Frontiers in Immunology</i> , 2020, 11, 1426.	2.2	18
38	Inflammasomes and Childhood Autoimmune Diseases: A Review of Current Knowledge. <i>Clinical Reviews in Allergy and Immunology</i> , 2020, 61, 156-170.	2.9	14
39	Gene expression kinetics of <i>Exaiptasia pallida</i> innate immune response to <i>Vibrio parahaemolyticus</i> infection. <i>BMC Genomics</i> , 2020, 21, 768.	1.2	6
40	Tumor Necrosis Factor-Like Weak Inducer of Apoptosis (TWEAK) Enhances Activation of STAT3/NLRC4 Inflammasome Signaling Axis through PKC δ in Astrocytes: Implications for Parkinson's Disease. <i>Cells</i> , 2020, 9, 1831.	1.8	16
41	Understanding the Role of Inflammasomes in Rheumatoid Arthritis. <i>Inflammation</i> , 2020, 43, 2033-2047.	1.7	10
42	Molecular mechanisms activating the NAIPL/NLRC4 inflammasome: Implications in infectious disease, autoinflammation, and cancer. <i>Immunological Reviews</i> , 2020, 297, 67-82.	2.8	59
43	Emerging connectivity of programmed cell death pathways and its physiological implications. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 678-695.	16.1	465
44	Role of inflammasomes in multiple sclerosis and their potential as therapeutic targets. <i>Journal of Neuroinflammation</i> , 2020, 17, 260.	3.1	58
45	NLRP3 inflammasome in endothelial dysfunction. <i>Cell Death and Disease</i> , 2020, 11, 776.	2.7	247
46	Canonical and Non-canonical Inflammasome Activation by Outer Membrane Vesicles Derived From <i>Bordetella pertussis</i> . <i>Frontiers in Immunology</i> , 2020, 11, 1879.	2.2	31
47	Bacterial Outer Membrane Vesicle-Mediated Cytosolic Delivery of Flagellin Triggers Host NLRC4 Canonical Inflammasome Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 581165.	2.2	35
48	Gut microbiota, NLR proteins, and intestinal homeostasis. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	35
49	Distinct Roles of IL-1 β and IL-18 in NLRC4-Induced Autoinflammation. <i>Frontiers in Immunology</i> , 2020, 11, 591713.	2.2	13
50	Exploring the Biocompatibility of Near-IR CuInSe ₂ /ZnS Quantum Dots for Deep-Tissue Bioimaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 8567-8574.	2.3	9
51	Germinated barley downregulates hepatic stearyl-CoA desaturase-1 enzyme gene expression in a hepatic steatohepatitis rat model. <i>Anatomical Science International</i> , 2020, 95, 489-497.	0.5	2
53	Novel Gene Deletion in NLRC4 Expanding the Familial Cold Inflammatory Syndrome Phenotype. <i>Allergy and Rhinology</i> , 2020, 11, 215265672092806.	0.7	3
54	The NAIPL/NLRC4 inflammasome in infection and pathology. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100863.	2.7	50
55	NLRC4 biology in immunity and inflammation. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1117-1127.	1.5	20

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56	Inflammasome Activation in Response to Intracellular Protozoan Parasites. <i>Trends in Parasitology</i> , 2020, 36, 459-472.	1.5	27
57	Pharmacological inhibition of soluble epoxide hydrolase attenuates chronic experimental autoimmune encephalomyelitis by modulating inflammatory and anti-inflammatory pathways in an inflammasome-dependent and -independent manner. <i>Inflammopharmacology</i> , 2020, 28, 1509-1524.	1.9	19
58	IL-1 mediated autoinflammatory diseases. , 2020, , 643-684.		0
59	Autoinflammatory diseases predominantly affecting the gastrointestinal tract. , 2020, , 721-735.		1
60	Do innate killing mechanisms activated by inflammasomes have a role in treating melanoma?. <i>Pigment Cell and Melanoma Research</i> , 2020, 33, 660-670.	1.5	14
61	TLR5 Activation Exacerbates Airway Inflammation in Asthma. <i>Lung</i> , 2020, 198, 289-298.	1.4	10
62	Inflammasome and Cognitive Symptoms in Human Diseases: Biological Evidence from Experimental Research. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1103.	1.8	16
63	Inflammasomes contributing to inflammation in arthritis. <i>Immunological Reviews</i> , 2020, 294, 48-62.	2.8	97
64	Characterization of the inflammasome component SmASC in turbot (<i>Scophthalmus maximus</i>). <i>Fish and Shellfish Immunology</i> , 2020, 100, 324-333.	1.6	13
65	Characterization of equine inflammasomes and their regulation. <i>Veterinary Research Communications</i> , 2020, 44, 51-59.	0.6	8
66	<i>Angiostrongylus cantonensis</i> activates inflammasomes in meningoencephalitic BALB/c mice. <i>Parasitology International</i> , 2020, 77, 102119.	0.6	6
67	Carnosol inhibits inflammasome activation by directly targeting HSP90 to treat inflammasome-mediated diseases. <i>Cell Death and Disease</i> , 2020, 11, 252.	2.7	40
68	Pulmonary Pathogens Adapt to Immune Signaling Metabolites in the Airway. <i>Frontiers in Immunology</i> , 2020, 11, 385.	2.2	32
69	Genome-wide postnatal changes in immunity following fetal inflammatory response. <i>FEBS Journal</i> , 2021, 288, 2311-2331.	2.2	0
70	Genetic Variation in Toll-Like Receptor 5 and Colonization with Flagellated Bacterial Vaginosis-Associated Bacteria. <i>Infection and Immunity</i> , 2021, 89, .	1.0	3
71	Involvement of the NLR4 inflammasome in promoting retinal ganglion cell death in an acute glaucoma mouse model. <i>Experimental Eye Research</i> , 2021, 203, 108388.	1.2	6
72	Inflammasome activation and evasion by bacterial pathogens. <i>Current Opinion in Immunology</i> , 2021, 68, 125-133.	2.4	24
73	Weitere autoinflammatorische Syndrome bei Kindern und Jugendlichen. <i>Springer Reference Medizin</i> , 2021, , 1-10.	0.0	0

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74	Immunologically programming the tumor microenvironment induces the pattern recognition receptor NLRC4-dependent antitumor immunity. , 2021, 9, e001595.		8
75	SIRT3-mediated deacetylation of NLRC4 promotes inflammasome activation. <i>Theranostics</i> , 2021, 11, 3981-3995.	4.6	34
76	Role of Microgliosis and NLRP3 Inflammasome in Parkinson's Disease Pathogenesis and Therapy. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1283-1300.	1.7	31
77	Structural basis for distinct inflammasome complex assembly by human NLRP1 and CARD8. <i>Nature Communications</i> , 2021, 12, 188.	5.8	54
78	Gut Microbiome and Liver Cancer. <i>Physiology in Health and Disease</i> , 2021, , 199-255.	0.2	0
79	Inflammation-related pyroptosis, a novel programmed cell death pathway, and its crosstalk with immune therapy in cancer treatment. <i>Theranostics</i> , 2021, 11, 8813-8835.	4.6	179
80	Soluble epoxide hydrolase inhibitor trifluoromethoxyphenylacetylpropionylpiperidinylurea prevents hyperalgesia through regulating NLRC4 inflammasome-related pro-inflammatory and anti-inflammatory signaling pathways in the lipopolysaccharide-induced pain mouse model. <i>Drug Development Research</i> , 2021, 82, 815-825.	1.4	3
81	Brd4 regulates NLRC4 inflammasome activation by facilitating IRF8-mediated transcription of <i>Naip3</i> . <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	13
82	Natterin an aerolysin-like fish toxin drives IL-1 β -dependent neutrophilic inflammation mediated by caspase-1 and caspase-11 activated by the inflammasome sensor NLRP6. <i>International Immunopharmacology</i> , 2021, 91, 107287.	1.7	13
83	Inflammasome Regulation: Therapeutic Potential for Inflammatory Bowel Disease. <i>Molecules</i> , 2021, 26, 1725.	1.7	15
84	Therapeutic implications of inflammasome in inflammatory bowel disease. <i>FASEB Journal</i> , 2021, 35, e21439.	0.2	22
85	Pyroptosis: mechanisms and diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 128.	7.1	821
86	A deimmunized and pharmacologically optimized Toll-like receptor 5 agonist for therapeutic applications. <i>Communications Biology</i> , 2021, 4, 466.	2.0	12
87	Role of Dendritic Cells in Pathogen Infections: A Current Perspective. , 0, , .		0
88	Inflammasome Genetic Variants, Macrophage Function, and Clinical Outcomes in Cystic Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 65, 157-166.	1.4	11
89	LncRNA-Fendrr protects against the ubiquitination and degradation of NLRC4 protein through HERC2 to regulate the pyroptosis of microglia. <i>Molecular Medicine</i> , 2021, 27, 39.	1.9	42
90	Robust microbe immune recognition in the intestinal mucosa. <i>Genes and Immunity</i> , 2021, 22, 268-275.	2.2	5
91	Activation of the NLRC4 inflammasome in renal tubular epithelial cell injury in diabetic nephropathy. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 814.	0.8	11

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92	Molecular mechanisms of phenotypic variability in monogenic autoinflammatory diseases. <i>Nature Reviews Rheumatology</i> , 2021, 17, 405-425.	3.5	40
93	A Novel Mutation in the NBD Domain of NLRC4 Causes Mild Autoinflammation With Recurrent Urticaria. <i>Frontiers in Immunology</i> , 2021, 12, 674808.	2.2	7
94	Inflammasomes and Fibrosis. <i>Frontiers in Immunology</i> , 2021, 12, 643149.	2.2	69
96	Epigenetics in Kawasaki Disease. <i>Frontiers in Pediatrics</i> , 2021, 9, 673294.	0.9	10
97	The cytokine storms of COVID-19, H1N1 influenza, CRS and MAS compared. Can one sized treatment fit all?. <i>Cytokine</i> , 2021, 144, 155593.	1.4	61
98	Pyroptosis, metabolism, and tumor immune microenvironment. <i>Clinical and Translational Medicine</i> , 2021, 11, e492.	1.7	119
99	Pattern recognition receptors in health and diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 291.	7.1	510
100	Role of NLRP3 Inflammasome in Lupus Nephritis and Therapeutic Targeting by Phytochemicals. <i>Frontiers in Pharmacology</i> , 2021, 12, 621300.	1.6	9
101	<i>Aeromonas sobria</i> Induces Proinflammatory Cytokines Production in Mouse Macrophages via Activating NLRP3 Inflammasome Signaling Pathways. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 691445.	1.8	9
102	A Bibliometric Analysis of Pyroptosis From 2001 to 2021. <i>Frontiers in Immunology</i> , 2021, 12, 731933.	2.2	117
103	Effectiveness of Canakinumab Treatment in Colchicine Resistant Familial Mediterranean Fever Cases. <i>Frontiers in Pediatrics</i> , 2021, 9, 710501.	0.9	6
104	NLRC4 GOF Mutations, a Challenging Diagnosis from Neonatal Age to Adulthood. <i>Journal of Clinical Medicine</i> , 2021, 10, 4369.	1.0	7
105	Gasdermin D in pyroptosis. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2768-2782.	5.7	274
106	Defining (and blocking) neuronal death in Parkinson's disease: Does it matter what we call it?. <i>Brain Research</i> , 2021, 1771, 147639.	1.1	3
107	Discovery and characterization of small-molecule inhibitors of NLRP3 and NLRC4 inflammasomes. <i>Journal of Biological Chemistry</i> , 2021, 296, 100597.	1.6	13
108	Regulation of Inflammasome by Autophagy. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1209, 109-123.	0.8	18
110	Dihydrolipoic acid protects against lipopolysaccharide-induced behavioral deficits and neuroinflammation via regulation of Nrf2/HO-1/NLRP3 signaling in rat. <i>Journal of Neuroinflammation</i> , 2020, 17, 166.	3.1	61
111	Salmonella spvC Gene Inhibits Pyroptosis and Intestinal Inflammation to Aggravate Systemic Infection in Mice. <i>Frontiers in Microbiology</i> , 2020, 11, 562491.	1.5	23

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112	<i>Salmonella</i> Flagellin Activates NAIP/NLRC4 and Canonical NLRP3 Inflammasomes in Human Macrophages. <i>Journal of Immunology</i> , 2021, 206, 631-640.	0.4	54
113	Pediatric macrophage activation syndrome, recognizing the tip of the Iceberg. <i>European Journal of Rheumatology</i> , 2020, 7, 13-20.	1.3	36
114	First Description of Late-Onset Autoinflammatory Disease Due to Somatic NLRC4 Mosaicism. <i>Arthritis and Rheumatology</i> , 2022, 74, 692-699.	2.9	10
115	Pyroptosis-Induced Inflammation and Tissue Damage. <i>Journal of Molecular Biology</i> , 2022, 434, 167301.	2.0	44
116	Nod-like Receptors: Critical Intracellular Sensors for Host Protection and Cell Death in Microbial and Parasitic Infections. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11398.	1.8	28
119	Apoptosis, necroptosis, and pyroptosis in health and disease. , 2022, , 1-46.		0
120	Centrality of Myeloid-Lineage Phagocytes in Particle-Triggered Inflammation and Autoimmunity. <i>Frontiers in Toxicology</i> , 2021, 3, 777768.	1.6	7
121	DDX17 is an essential mediator of sterile NLRC4 inflammasome activation by retrotransposon RNAs. <i>Science Immunology</i> , 2021, 6, eabi4493.	5.6	24
122	Move over NAIP, DDX17 diversifies the NLRC4 inflammasome. <i>Science Immunology</i> , 2021, 6, eabm1201.	5.6	0
123	NLRC4 Inflammasome-Mediated Regulation of Eosinophilic Functions. <i>Immune Network</i> , 2021, 21, e42.	1.6	9
124	Monogenic Systemic Autoinflammatory Diseases. , 2021, , .		0
125	Inflammasome and Its Therapeutic Targeting in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2021, 12, 816839.	2.2	18
126	Herpesviruses and Inflammasomes: One Sensor Does Not Fit All. <i>MBio</i> , 2022, 13, e0173721.	1.8	4
127	Self-Assembly of Flagellin into Immunostimulatory Ring-like Nanostructures as an Antigen Delivery System. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 694-707.	2.6	4
128	Contribution of the innate and adaptive immune systems to aortic dilation in murine mucopolysaccharidosis type I. <i>Molecular Genetics and Metabolism</i> , 2022, 135, 193-205.	0.5	2
129	Granzymes: The Molecular Executors of Immune-Mediated Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1833.	1.8	27
130	Dendritic cells as vaccine targets. , 2022, , 57-94.		0
131	Effects of lysophosphatidic acid receptor 5 on NLRC4 inflammasome in brain tissues of transient cerebral ischemia/reperfusion rat. <i>Human and Experimental Toxicology</i> , 2022, 41, 096032712210788.	1.1	2

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132	Comparative Analysis of Gene Expression Profiles in the Adipose Tissue of Obese Adult Mice With Rapid Infantile Growth After Undernourishment In Utero. <i>Frontiers in Endocrinology</i> , 2022, 13, 818064.	1.5	0
133	Association of Tim-3/Gal-9 Axis with NLRC4 Inflammasome in Glioma Malignancy: Tim-3/Gal-9 Induce the NLRC4 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2028.	1.8	5
134	The Inflammasome NLRC4 Protects against <i>Cryptococcus gattii</i> by Inducing the Classic Caspase-1 to Activate the Pyroptosis Signal. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-11.	1.1	3
135	The genetics behind inflammasome regulation. <i>Molecular Immunology</i> , 2022, 145, 27-42.	1.0	3
136	Caging NLRP3 tames inflammasome activity. <i>Cell</i> , 2021, 184, 6224-6226.	13.5	5
137	Cardiac Remodeling in Heart Failure: Role of Pyroptosis and Its Therapeutic Implications. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 870924.	1.1	15
138	Graphene-Based Biosensors for Molecular Chronic Inflammatory Disease Biomarker Detection. <i>Biosensors</i> , 2022, 12, 244.	2.3	7
139	How Pyroptosis Contributes to Inflammation and Fibroblast-Macrophage Cross-Talk in Rheumatoid Arthritis. <i>Cells</i> , 2022, 11, 1307.	1.8	10
140	The Role of Inflammasomes in Glomerulonephritis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4208.	1.8	14
156	A Prognostic Signature Consisting of Pyroptosis-Related Genes and SCAF11 for Predicting Immune Response in Breast Cancer. <i>Frontiers in Medicine</i> , 2022, 9, .	1.2	14
157	Teleost NOD-like receptors and their downstream signaling pathways: A brief review. <i>Fish and Shellfish Immunology Reports</i> , 2022, 3, 100056.	0.5	13
158	Deciphering the structural and functional impact of Q657L mutation in <i>NLRC4</i> using computational methods. <i>Molecular Simulation</i> , 0, , 1-16.	0.9	0
161	Group 3 innate lymphoid cell pyroptosis represents a host defence mechanism against <i>Salmonella</i> infection. <i>Nature Microbiology</i> , 2022, 7, 1087-1099.	5.9	22
162	Polysaccharide extract from <i>Isatis Radix</i> inhibits multiple inflammasomes activation and alleviate gouty arthritis. <i>Phytotherapy Research</i> , 2022, 36, 3295-3312.	2.8	7
163	The human inflammasomes. <i>Molecular Aspects of Medicine</i> , 2022, 88, 101100.	2.7	20
164	Inflammasome activation: from molecular mechanisms to autoinflammation. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	12
165	Vitamin D receptor enhances the <i>NLRC4</i> inflammasome activation by promoting <i>NAIPs</i> – <i>NLRC4</i> association. <i>EMBO Reports</i> , 0, , .	2.0	2
166	Exploring the Role of <i>Staphylococcus aureus</i> in Inflammatory Diseases. <i>Toxins</i> , 2022, 14, 464.	1.5	36

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167	Activation and Pharmacological Regulation of Inflammasomes. <i>Biomolecules</i> , 2022, 12, 1005.	1.8	17
168	Identification and Validation of a Three Pyroptosis-Related lncRNA Signature for Prognosis Prediction in Lung Adenocarcinoma. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	11
169	Inflammasome Complexes: Crucial mediators in osteoimmunology and bone diseases. <i>International Immunopharmacology</i> , 2022, 110, 109072.	1.7	9
170	Bacterial subversion of NLR-mediated immune responses. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
171	How Gut Microbiota Are Shaped by Pattern Recognition Receptors in Colitis and Colorectal Cancer. <i>Cancers</i> , 2022, 14, 3821.	1.7	5
172	Taohong siwu decoction attenuates AIM2 and NLRC4 inflammasomes by ameliorates deoxyribonucleic acid damage after ischemic stroke. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	3
173	Molecular Mechanisms of Inflammasome in Ischemic Stroke Pathogenesis. <i>Pharmaceuticals</i> , 2022, 15, 1168.	1.7	10
174	Pyroptosis in development, inflammation and disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	20
175	Significant difference of differential expression pyroptosis-related genes and their correlations with infiltrated immune cells in sepsis. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	5
176	<i>Clostridioides difficile</i> Flagellin Activates the Intracellular NLRC4 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12366.	1.8	4
177	Potential therapeutic role of pyroptosis mediated by the NLRP3 inflammasome in type 2 diabetes and its complications. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
178	Interleukin-18 in metabolism: From mice physiology to human diseases. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	13
179	NLRP3-mediated pyroptosis in diabetic nephropathy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	8
180	Salivary levels of <sc>NLRC4</sc> inflammasome in different periodontal clinical status. <i>Oral Diseases</i> , 2023, 29, 2765-2771.	1.5	1
181	Insight into the regulation of NLRP3 inflammasome activation by mitochondria in liver injury and the protective role of natural products. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113968.	2.5	1
182	Molecular regulation of NAIP/NLRC4 inflammasomes. , 2023, , 77-91.		0
183	<i>Glycyrrhiza uralensis</i> polysaccharides ameliorate acute lung injury by inhibiting the activation of multiple inflammasomes. <i>Journal of Functional Foods</i> , 2023, 100, 105386.	1.6	3
184	Inflammasome effector functions: a Tale of Fire and Ice. , 2023, , 179-204.		0

#	ARTICLE	IF	CITATIONS
185	Pyroptosis in inflammatory bone diseases: Molecular insights and targeting strategies. <i>FASEB Journal</i> , 2022, 36, .	0.2	8
186	p16INK4a Plays Critical Role in Exacerbating Inflammation in High Fat Diet Induced Skin. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-20.	1.9	3
187	Potential role of AIM2 inflammasome in SARS-CoV-2 infection. <i>Scandinavian Journal of Immunology</i> , 2023, 97, .	1.3	2
188	Scoparone suppresses mitophagy-mediated NLRP3 inflammasome activation in inflammatory diseases. <i>Acta Pharmacologica Sinica</i> , 2023, 44, 1238-1251.	2.8	6
189	The Effects of Curcumin on Inflammasome: Latest Update. <i>Molecules</i> , 2023, 28, 742.	1.7	8
190	Mechanism of NAIP-NLRC4 inflammasome activation revealed by cryo-EM structure of unliganded NAIP5. <i>Nature Structural and Molecular Biology</i> , 2023, 30, 159-166.	3.6	8
191	Pharmacological Inhibition of the NLRP3 Inflammasome: Structure, Molecular Activation, and Inhibitor-NLRP3 Interaction. <i>Pharmacological Reviews</i> , 2023, 75, 487-520.	7.1	19
192	Virulence of Pathogens and the Counteracting Responses of the Host. , 2023, , 109-202.		0
193	Activation of inflammasomes and their effects on neuroinflammation at the microelectrode-tissue interface in intracortical implants. <i>Biomaterials</i> , 2023, 297, 122102.	5.7	1
194	Comprehensive landscape of the IPAF inflammasomes in pan-cancer: A bulk omics research and single-cell sequencing validation. <i>Computers in Biology and Medicine</i> , 2023, 155, 106622.	3.9	0
195	Pyroptosis and degenerative diseases of the elderly. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	10
196	Development and validation of a pyroptosis-related genes signature for risk stratification in gliomas. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	3
197	Emerging mechanisms and functions of inflammasome complexes in teleost fish. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
198	Innate immune responses in pneumonia. <i>Pneumonia (Nathan Qld)</i> , 2023, 15, .	2.5	4
199	The role of pyroptosis in hepatocellular carcinoma. <i>Cellular Oncology (Dordrecht)</i> , 2023, 46, 811-823.	2.1	6
200	Prognostic significance of serum NLRC4 in patients with acute supratentorial intracerebral hemorrhage: A prospective longitudinal cohort study. <i>Frontiers in Neurology</i> , 0, 14, .	1.1	2
201	Hemophagocytic Lymphohistiocytosis. <i>Lessons From the ICU</i> , 2023, , 55-84.	0.1	0
202	Role of the inflammasome in insulin resistance and type 2 diabetes mellitus. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	10

#	ARTICLE	IF	CITATIONS
203	LNCGM1082-mediated NLRC4 activation drives resistance to bacterial infection. , 2023, 20, 475-488.		4
204	Evaluation of Serum NLRC4 as a Potential Prognostic Biochemical Marker in Humans with Severe Traumatic Brain Injury: A Prospective Cohort Study. Risk Management and Healthcare Policy, 0, Volume 16, 439-454.	1.2	1
205	MicroRNAs in inflammasomopathies. Immunology Letters, 2023, 256-257, 48-54.	1.1	3
206	TRIM29 (Tripartite Motif Containing 29) Alleviates NLRC4 (NLR Family CARD Domain Containing Protein) Tj ETQq1 1 0.784314 rgBT / Ov Stroke. Stroke, 2023, 54, 1377-1389.	1.0	2
208	Pyroptosis: A promising target for lung cancer therapy. , 2023, , .		0
209	Molecular Mechanisms of Pyroptosis. Methods in Molecular Biology, 2023, , 1-16.	0.4	1
227	Hemophagocytic Lymphohistiocytosis (HLH). , 2024, , 320-329.		0