

# Inflammasome-activated gasdermin D causes pyroptosis

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The gasdermin-D pore: Executor of pyroptotic cell death. <i>Oncotarget</i> , 2016, 7, 57481-57482.	0.8	15
2	Deviant Behavior: Tick-Borne Pathogens and Inflammasome Signaling. <i>Veterinary Sciences</i> , 2016, 3, 27.	0.6	8
3	Pharmacological Inhibition of NLRP3 Inflammasome Attenuates Myocardial Ischemia/Reperfusion Injury by Activation of RISK and Mitochondrial Pathways. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-11.	1.9	97
4	ATP-Induced Inflammasome Activation and Pyroptosis Is Regulated by AMP-Activated Protein Kinase in Macrophages. <i>Frontiers in Immunology</i> , 2016, 7, 597.	2.2	79
5	Non-Canonical Cell Death Induced by p53. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2068.	1.8	121
6	The Goldilocks Conundrum: NLR Inflammasome Modulation of Gastrointestinal Inflammation during Inflammatory Bowel Disease. <i>Critical Reviews in Immunology</i> , 2016, 36, 283-314.	1.0	22
7	Roles of Caspases in Necrotic Cell Death. <i>Cell</i> , 2016, 167, 1693-1704.	13.5	234
8	Pore formation by <sc>GSDMD</sc> is the effector mechanism of pyroptosis. <i>EMBO Journal</i> , 2016, 35, 2167-2169.	3.5	114
9	Gasdermins pore cell membrane to pyroptosis. <i>Science China Life Sciences</i> , 2016, 59, 1090-1092.	2.3	14
10	Crystallopathies. <i>New England Journal of Medicine</i> , 2016, 375, e29.	13.9	7
11	Mechanism and Regulation of NLRP3 Inflammasome Activation. <i>Trends in Biochemical Sciences</i> , 2016, 41, 1012-1021.	3.7	1,993
12	Pyroptosis is driven by non-selective gasdermin-D pore and its morphology is different from MLKL channel-mediated necroptosis. <i>Cell Research</i> , 2016, 26, 1007-1020.	5.7	550
13	The killer protein Gasdermin D. <i>Cell Death and Differentiation</i> , 2016, 23, 1897-1898.	5.0	15
14	Growth inhibition of cytosolic Salmonella by caspase-1 and caspase-11 precedes host cell death. <i>Nature Communications</i> , 2016, 7, 13292.	5.8	106
15	The Acute-on-Chronic Liver Failure Syndrome, or When the Innate Immune System Goes Astray. <i>Journal of Immunology</i> , 2016, 197, 3755-3761.	0.4	91
16	Interrogating the relevance of mitochondrial apoptosis for vertebrate development and postnatal tissue homeostasis. <i>Genes and Development</i> , 2016, 30, 2133-2151.	2.7	56
17	Active MLKL triggers the NLRP3 inflammasome in a cell-intrinsic manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E961-E969.	3.3	337
18	How ICE lights the pyroptosis fire. <i>Cell Death and Differentiation</i> , 2017, 24, 197-199.	5.0	8

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19	Programmed cell death as a defence against infection. <i>Nature Reviews Immunology</i> , 2017, 17, 151-164.	10.6	752
20	Gene polymorphism linked to increased asthma and IBD risk alters gasdermin-B structure, a sulfatide and phosphoinositide binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1128-E1137.	3.3	135
21	Noncanonical inflammasomes: Antimicrobial defense that does not play by the rules. <i>Cellular Microbiology</i> , 2017, 19, e12730.	1.1	20
22	MLKL Activation Triggers NLRP3-Mediated Processing and Release of IL-1 $\beta$ Independently of Gasdermin-D. <i>Journal of Immunology</i> , 2017, 198, 2156-2164.	0.4	158
23	NLRP6: A Multifaceted Innate Immune Sensor. <i>Trends in Immunology</i> , 2017, 38, 248-260.	2.9	108
24	A bioluminescent caspase-1 activity assay rapidly monitors inflammasome activation in cells. <i>Journal of Immunological Methods</i> , 2017, 447, 1-13.	0.6	66
25	Programmed cell death and the immune system. <i>Nature Reviews Immunology</i> , 2017, 17, 333-340.	10.6	343
26	Regulation and functions of NLRP3 inflammasome during influenza virus infection. <i>Molecular Immunology</i> , 2017, 86, 56-64.	1.0	69
27	Recent Insights into the Molecular Mechanisms Underlying Pyroptosis and Gasdermin Family Functions. <i>Trends in Immunology</i> , 2017, 38, 261-271.	2.9	281
28	Necroptotic death signaling: evolution, mechanisms and disease relevance. <i>Immunology and Cell Biology</i> , 2017, 95, 129-130.	1.0	0
29	Leukocidins: staphylococcal bi-component pore-forming toxins find their receptors. <i>Nature Reviews Microbiology</i> , 2017, 15, 435-447.	13.6	267
31	Human cytomegalovirus triggers the assembly of AIM2 inflammasome in THP1-derived macrophages. <i>Journal of Medical Virology</i> , 2017, 89, 2188-2195.	2.5	28
32	Chemotherapy drugs induce pyroptosis through caspase-3 cleavage of a gasdermin. <i>Nature</i> , 2017, 547, 99-103.	13.7	1,793
33	Multi-receptor detection of individual bacterial products by the innate immune system. <i>Nature Reviews Immunology</i> , 2017, 17, 376-390.	10.6	163
34	Molecular mechanisms and functions of pyroptosis, inflammatory caspases and inflammasomes in infectious diseases. <i>Immunological Reviews</i> , 2017, 277, 61-75.	2.8	1,104
35	Dying to protect: cell death and the control of T cell homeostasis. <i>Immunological Reviews</i> , 2017, 277, 21-43.	2.8	31
36	Role of the inflammasome in acetaminophen-induced liver injury and acute liver failure. <i>Journal of Hepatology</i> , 2017, 66, 836-848.	1.8	284
37	Pyroptosis: Gasdermin-Mediated Programmed Necrotic Cell Death. <i>Trends in Biochemical Sciences</i> , 2017, 42, 245-254.	3.7	1,911

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38	Innate Immune Receptors as Competitive Determinants of Cell Fate. <i>Molecular Cell</i> , 2017, 66, 750-760.	4.5	47
39	Cell Death in Alcohol-Induced Liver Injury. , 2017, , 119-142.		2
40	Gut sensor halts viral attack. <i>Nature</i> , 2017, 546, 606-608.	13.7	2
41	Proteolytic control of regulated necrosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 2147-2161.	1.9	11
42	Inflammasomes, the cardinal pathology mediators are activated by pathogens, allergens and mutagens: A critical review with focus on NLRP3. <i>Biomedicine and Pharmacotherapy</i> , 2017, 92, 819-825.	2.5	38
43	Lipopolysaccharide Detection across the Kingdoms of Life. <i>Trends in Immunology</i> , 2017, 38, 696-704.	2.9	57
44	Inflammasomes in Liver Fibrosis. <i>Seminars in Liver Disease</i> , 2017, 37, 119-127.	1.8	143
45	Gasdermins: Effectors of Pyroptosis. <i>Trends in Cell Biology</i> , 2017, 27, 673-684.	3.6	826
46	â€”Hintsâ€”™ in the killer protein gasdermin D: unveiling the secrets of gasdermins driving cell death. <i>Cell Death and Differentiation</i> , 2017, 24, 588-596.	5.0	86
47	Necroptosis Execution Is Mediated by Plasma Membrane Nanopores Independent of Calcium. <i>Cell Reports</i> , 2017, 19, 175-187.	2.9	101
48	The lure of the lipids: how defensins exploit membrane phospholipids to induce cytolysis in target cells. <i>Cell Death and Disease</i> , 2017, 8, e2712-e2712.	2.7	12
49	Inflammasome activation by nucleic acids and nucleosomes in sterile inflammationâ€” or is it sterile?. <i>FEBS Journal</i> , 2017, 284, 2363-2374.	2.2	16
50	Pyroptosis and Apoptosis Pathways Engage in Bidirectional Crosstalk in Monocytes and Macrophages. <i>Cell Chemical Biology</i> , 2017, 24, 507-514.e4.	2.5	424
51	Differential roles of caspase-1 and caspase-11 in infection and inflammation. <i>Scientific Reports</i> , 2017, 7, 45126.	1.6	109
52	Ameloblastin Upregulates Inflammatory Response Through Induction of IL-1 $\beta$ in Human Macrophages. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3308-3317.	1.2	3
53	Inflammasome biology taught by <i>Legionella pneumophila</i> . <i>Journal of Leukocyte Biology</i> , 2017, 101, 841-849.	1.5	23
54	Cleavage of DFNA5 by caspase-3 during apoptosis mediates progression to secondary necrotic/pyroptotic cell death. <i>Nature Communications</i> , 2017, 8, 14128.	5.8	953
55	A brain in flame; do inflammasomes and pyroptosis influence stroke pathology?. <i>Brain Pathology</i> , 2017, 27, 205-212.	2.1	119

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56	NLRP3 inflammasome pathways in atherosclerosis. <i>Atherosclerosis</i> , 2017, 267, 127-138.	0.4	167
57	Granzyme B Disrupts Central Metabolism and Protein Synthesis in Bacteria to Promote an Immune Cell Death Program. <i>Cell</i> , 2017, 171, 1125-1137.e11.	13.5	56
58	Inflammatory cell death in intestinal pathologies. <i>Immunological Reviews</i> , 2017, 280, 57-73.	2.8	36
59	The Brucella effector protein TcpB induces degradation of inflammatory caspases and thereby subverts non-canonical inflammasome activation in macrophages. <i>Journal of Biological Chemistry</i> , 2017, 292, 20613-20627.	1.6	37
60	Molecular mechanisms of inflammasome signaling. <i>Journal of Leukocyte Biology</i> , 2018, 103, 233-257.	1.5	146
61	ApoE4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy. <i>Nature</i> , 2017, 549, 523-527.	13.7	852
62	Structure insight of GSDMD reveals the basis of GSDMD autoinhibition in cell pyroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10642-10647.	3.3	172
63	Cholecalciferol cholesterol emulsion attenuates experimental autoimmune myocarditis in mice via inhibition of the pyroptosis signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 422-428.	1.0	14
64	A Plant-Derived Nucleic Acid Reconciles Type I IFN and a Pyroptotic-like Event in Immunity against Respiratory Viruses. <i>Journal of Immunology</i> , 2017, 199, 2460-2474.	0.4	9
65	An emerging case for membrane pore formation as a common mechanism for the unconventional secretion of FGF2 and IL-1 $\beta$ . <i>Journal of Cell Science</i> , 2017, 130, 3197-3202.	1.2	39
66	The monogenic autoinflammatory diseases define new pathways in human innate immunity and inflammation. <i>Nature Immunology</i> , 2017, 18, 832-842.	7.0	301
67	Programmed Cell Death and Inflammation: Winter Is Coming. <i>Trends in Immunology</i> , 2017, 38, 705-718.	2.9	91
68	Live-cell visualization of gasdermin D-driven pyroptotic cell death. <i>Journal of Biological Chemistry</i> , 2017, 292, 14649-14658.	1.6	55
69	Caspase-1 non-canonical inflammasome: a critical sensor of intracellular lipopolysaccharide in macrophage-mediated inflammatory responses. <i>Immunology</i> , 2017, 152, 207-217.	2.0	183
70	New and revisited approaches to preserving the reperfused myocardium. <i>Nature Reviews Cardiology</i> , 2017, 14, 679-693.	6.1	56
71	Involvement of NLRP10 in IL-1 $\beta$ induction of oral epithelial cells by periodontal pathogens. <i>Innate Immunity</i> , 2017, 23, 569-577.	1.1	5
72	Inflammasome Activation by Paramyxoviruses. <i>Current Clinical Microbiology Reports</i> , 2017, 4, 150-158.	1.8	1
73	Interleukin-36 cytokines may overcome microbial immune evasion strategies that inhibit interleukin-1 family signaling. <i>Science Signaling</i> , 2017, 10, .	1.6	26

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74	Lytic cell death induced by melittin bypasses pyroptosis but induces NLRP3 inflammasome activation and IL-1 $\beta$ release. <i>Cell Death and Disease</i> , 2017, 8, e2984-e2984.	2.7	34
75	Epidermal cornification is preceded by the expression of a keratinocyte-specific set of pyroptosis-related genes. <i>Scientific Reports</i> , 2017, 7, 17446.	1.6	78
76	Inflammasome activation and assembly at a glance. <i>Journal of Cell Science</i> , 2017, 130, 3955-3963.	1.2	331
77	GSDME as an executioner of chemotherapy-induced cell death. <i>Science China Life Sciences</i> , 2017, 60, 1291-1294.	2.3	24
78	Cell death and cell lysis are separable events during pyroptosis. <i>Cell Death Discovery</i> , 2017, 3, 17070.	2.0	88
79	The NLRC4 inflammasome: The pieces of the puzzle are falling into place. <i>Inflammasome</i> , 2017, 3, .	0.6	3
80	Inflammasomes on the Crossroads of Innate Immune Recognition and Metabolic Control. <i>Cell Metabolism</i> , 2017, 26, 71-93.	7.2	223
81	Enterovirus 71 Inhibits Pyroptosis through Cleavage of Gasdermin D. <i>Journal of Virology</i> , 2017, 91, .	1.5	103
82	The fingerprints of reaction mechanisms. <i>Nature</i> , 2017, 546, 608-609.	13.7	4
83	A motive for killing: effector functions of regulated lytic cell death. <i>Immunology and Cell Biology</i> , 2017, 95, 146-151.	1.0	7
84	Alternative inflammasome activation enables IL-1 $\beta$ release from living cells. <i>Current Opinion in Immunology</i> , 2017, 44, 7-13.	2.4	87
85	Intercellular communication for innate immunity. <i>Molecular Immunology</i> , 2017, 86, 16-22.	1.0	32
86	Bacterial secretion systems and regulation of inflammasome activation. <i>Journal of Leukocyte Biology</i> , 2017, 101, 165-181.	1.5	22
87	Inflammasome activators induce fibronectin expression and release in macrophages. <i>Cellular Microbiology</i> , 2017, 19, e12695.	1.1	3
88	A Mechanistic Understanding of Pyroptosis: The Fiery Death Triggered by Invasive Infection. <i>Advances in Immunology</i> , 2017, 135, 81-117.	1.1	115
89	Gasdermin: A new player to the inflammasome game. <i>Biomedical Journal</i> , 2017, 40, 313-316.	1.4	45
90	The Inflammasome Drives GSDMD-Independent Secondary Pyroptosis and IL-1 Release in the Absence of Caspase-1 Protease Activity. <i>Cell Reports</i> , 2017, 21, 3846-3859.	2.9	202
91	Chromosome 17q21 Genes ORMDL3 and GSDMB in Asthma and Immune Diseases. <i>Advances in Immunology</i> , 2017, 135, 1-52.	1.1	91

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92	Effector Mechanisms and Cellular Outputs. , 2017, , 83-119.		0
93	NLRP3 Inflammasome as a Molecular Marker in Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2017, 8, 519.	1.3	144
94	The NLRP3 and Pysin Inflammasomes: Implications in the Pathophysiology of Autoinflammatory Diseases. <i>Frontiers in Immunology</i> , 2017, 8, 43.	2.2	176
95	NLRP3 Inflammasome in Neurological Diseases, from Functions to Therapies. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 63.	1.8	352
96	The Role of Interferons in Inflammation and Inflammasome Activation. <i>Frontiers in Immunology</i> , 2017, 8, 873.	2.2	178
97	Outer Membrane Vesicles Prime and Activate Macrophage Inflammasomes and Cytokine Secretion In Vitro and In Vivo. <i>Frontiers in Immunology</i> , 2017, 8, 1017.	2.2	125
98	Inflammasomes and Cancer: The Dynamic Role of the Inflammasome in Tumor Development. <i>Frontiers in Immunology</i> , 2017, 8, 1132.	2.2	101
99	Epithelial Cell Inflammasomes in Intestinal Immunity and Inflammation. <i>Frontiers in Immunology</i> , 2017, 8, 1168.	2.2	111
100	Baicalin Inhibits NOD-Like Receptor Family, Pysin Containing Domain 3 Inflammasome Activation in Murine Macrophages by Augmenting Protein Kinase A Signaling. <i>Frontiers in Immunology</i> , 2017, 8, 1409.	2.2	34
101	MyD88-dependent inflammasome activation and autophagy inhibition contributes to Ehrlichia-induced liver injury and toxic shock. <i>PLoS Pathogens</i> , 2017, 13, e1006644.	2.1	38
102	JNK-signaling: A multiplexing hub in programmed cell death. <i>Genes and Cancer</i> , 2017, 8, 682-694.	0.6	271
103	Unconventional Pathways of Secretion Contribute to Inflammation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 102.	1.8	43
104	Berberine augments ATP-induced inflammasome activation in macrophages by enhancing AMPK signaling. <i>Oncotarget</i> , 2017, 8, 95-109.	0.8	35
105	<sc>LPS</sc> targets host guanylate-binding proteins to the bacterial outer membrane for non-canonical inflammasome activation. <i>EMBO Journal</i> , 2018, 37, .	3.5	184
106	AIM2 accelerates the atherosclerotic plaque progressions in ApoE <sup>-/-</sup> mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 487-494.	1.0	61
107	The oxidized phospholipid oxPAPC protects from septic shock by targeting the non-canonical inflammasome in macrophages. <i>Nature Communications</i> , 2018, 9, 996.	5.8	132
108	ASC- and caspase-8-dependent apoptotic pathway diverges from the NLRC4 inflammasome in macrophages. <i>Scientific Reports</i> , 2018, 8, 3788.	1.6	108
109	Regulation of hemolysin in uropathogenic <i>Escherichia coli</i> fine-tunes killing of human macrophages. <i>Virulence</i> , 2018, 9, 967-980.	1.8	38

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110	Cryo-EM structure of the gasdermin A3 membrane pore. <i>Nature</i> , 2018, 557, 62-67.	13.7	301
111	The unconventional secretion of IL-1 $\beta$ : Handling a dangerous weapon to optimize inflammatory responses. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 12-21.	2.3	47
112	The pyrin inflammasome: from sensing RhoA GTPases-inhibiting toxins to triggering autoinflammatory syndromes. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	40
113	Traumatic Brain Injury-Induced Acute Lung Injury: Evidence for Activation and Inhibition of a Neural-Respiratory-Inflammasome Axis. <i>Journal of Neurotrauma</i> , 2018, 35, 2067-2076.	1.7	68
114	Inflammasome biology, molecular pathology and therapeutic implications. , 2018, 187, 133-149.		98
115	Orchestration of NLRP3 Inflammasome Activation by Ion Fluxes. <i>Trends in Immunology</i> , 2018, 39, 393-406.	2.9	158
116	Pyroptosis induced by enterovirus 71 and coxsackievirus B3 infection affects viral replication and host response. <i>Scientific Reports</i> , 2018, 8, 2887.	1.6	32
117	Microglial Inflammasome Activation in Penetrating Ballistic-Like Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 1681-1693.	1.7	66
118	An update on cell intrinsic negative regulators of the NLRP3 inflammasome. <i>Journal of Leukocyte Biology</i> , 2018, 103, 1165-1177.	1.5	32
119	Immunological consequences of kidney cell death. <i>Cell Death and Disease</i> , 2018, 9, 114.	2.7	64
120	Turning the Spotlight on Lipids in Non-Apoptotic Cell Death. <i>ACS Chemical Biology</i> , 2018, 13, 506-515.	1.6	24
121	Omega-3 docosahexaenoic acid induces pyroptosis cell death in triple-negative breast cancer cells. <i>Scientific Reports</i> , 2018, 8, 1952.	1.6	155
122	The NLRP3 inflammasome: Role in metabolic disorders and regulation by metabolic pathways. <i>Cancer Letters</i> , 2018, 419, 8-19.	3.2	68
123	Extensive peptide and natural protein substrate screens reveal that mouse caspase-11 has much narrower substrate specificity than caspase-1. <i>Journal of Biological Chemistry</i> , 2018, 293, 7058-7067.	1.6	74
124	Inflammasome, Inflammation, and Tissue Homeostasis. <i>Trends in Molecular Medicine</i> , 2018, 24, 304-318.	3.5	137
125	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
126	Microparticulate Caspase 1 Regulates Gasdermin D and Pulmonary Vascular Endothelial Cell Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 56-64.	1.4	66
127	The Gasdermin $\beta$ pore acts as a conduit for IL-1 $\beta$ secretion in mice. <i>European Journal of Immunology</i> , 2018, 48, 584-592.	1.6	273



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128	Plasma membrane changes during programmed cell deaths. <i>Cell Research</i> , 2018, 28, 9-21.	5.7	657
129	The intra- and extracellular functions of ASC specks. <i>Immunological Reviews</i> , 2018, 281, 74-87.	2.8	82
130	Function and regulation of IL-1 $\beta$ in inflammatory diseases and cancer. <i>Immunological Reviews</i> , 2018, 281, 124-137.	2.8	201
131	A functional splice variant associated with decreased asthma risk abolishes the ability of gasdermin B to induce epithelial cell pyroptosis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1469-1478.e2.	1.5	121
132	A primer on caspase mechanisms. <i>Seminars in Cell and Developmental Biology</i> , 2018, 82, 79-85.	2.3	114
133	Structures of the Gasdermin D C-Terminal Domains Reveal Mechanisms of Autoinhibition. <i>Structure</i> , 2018, 26, 778-784.e3.	1.6	63
134	Gasdermin D Exerts Anti-inflammatory Effects by Promoting Neutrophil Death. <i>Cell Reports</i> , 2018, 22, 2924-2936.	2.9	296
135	Toxicological Profiling of Metal Oxide Nanoparticles in Liver Context Reveals Pyroptosis in Kupffer Cells and Macrophages <i>versus</i> Apoptosis in Hepatocytes. <i>ACS Nano</i> , 2018, 12, 3836-3852.	7.3	141
136	IRF8 Regulates Transcription of Naips for NLRC4 Inflammasome Activation. <i>Cell</i> , 2018, 173, 920-933.e13.	13.5	142
137	Liraglutide attenuates NLRP3 inflammasome-dependent pyroptosis via regulating SIRT1/NOX4/ROS pathway in H9c2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 267-272.	1.0	81
138	Consequences of Epithelial Inflammasome Activation by Bacterial Pathogens. <i>Journal of Molecular Biology</i> , 2018, 430, 193-206.	2.0	15
139	Caspase-4 activation by a bacterial surface protein is mediated by cathepsin G in human gingival fibroblasts. <i>Cell Death and Differentiation</i> , 2018, 25, 380-391.	5.0	24
140	Emerging Insights into Noncanonical Inflammasome Recognition of Microbes. <i>Journal of Molecular Biology</i> , 2018, 430, 207-216.	2.0	49
141	COPs and POPs Patrol Inflammasome Activation. <i>Journal of Molecular Biology</i> , 2018, 430, 153-173.	2.0	37
142	How Inflammasomes Inform Adaptive Immunity. <i>Journal of Molecular Biology</i> , 2018, 430, 217-237.	2.0	145
144	Emerging Concepts in Innate Immunity. <i>Methods in Molecular Biology</i> , 2018, 1714, 1-18.	0.4	12
145	Inflammatory Caspases: Activation and Cleavage of Gasdermin-D In Vitro and During Pyroptosis. <i>Methods in Molecular Biology</i> , 2018, 1714, 131-148.	0.4	51
146	The Pore-Forming Protein Gasdermin D Regulates Interleukin-1 Secretion from Living Macrophages. <i>Immunity</i> , 2018, 48, 35-44.e6.	6.6	789

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147	New concepts in Chlamydia induced inflammasome responses. <i>Microbes and Infection</i> , 2018, 20, 424-431.	1.0	5
148	Shigella hijacks the glomulinâ€“ <scp>clAP</scp> sâ€“inflammasome axis to promote inflammation. <i>EMBO Reports</i> , 2018, 19, 89-101.	2.0	23
149	GSDME mediates caspase-3-dependent pyroptosis in gastric cancer. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1418-1425.	1.0	212
150	cGAS drives noncanonical-inflammasome activation in age-related macular degeneration. <i>Nature Medicine</i> , 2018, 24, 50-61.	15.2	205
151	Lipopolysaccharide Upregulates Palmitoylated Enzymes of the Phosphatidylinositol Cycle: An Insight from Proteomic Studies. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 233-254.	2.5	39
152	Pyroptosis by caspase11/4â€“gasderminâ€“D pathway in alcoholic hepatitis in mice and patients. <i>Hepatology</i> , 2018, 67, 1737-1753.	3.6	165
153	Clostridium difficile and Clostridium sordellii toxins, proinflammatory versus anti-inflammatory response. <i>Toxicon</i> , 2018, 149, 54-64.	0.8	15
154	The NLRP3 inflammasome in acute myocardial infarction. <i>Nature Reviews Cardiology</i> , 2018, 15, 203-214.	6.1	466
155	Evidence of inflammasome activation and formation of monocyte-derived ASC specks in HIV-1 positive patients. <i>Aids</i> , 2018, 32, 299-307.	1.0	33
156	Gasdermin D Promotes AIM2 Inflammasome Activation and Is Required for Host Protection against <i>Francisella novicida</i>. <i>Journal of Immunology</i> , 2018, 201, 3662-3668.	0.4	48
157	BAX/BAK-Induced Apoptosis Results in Caspase-8-Dependent IL-1Î² Maturation in Macrophages. <i>Cell Reports</i> , 2018, 25, 2354-2368.e5.	2.9	74
158	Pattern Recognition Receptors and the Host Cell Death Molecular Machinery. <i>Frontiers in Immunology</i> , 2018, 9, 2379.	2.2	435
159	Contribution of the inflammasome to inflamming. <i>Journal of Inflammation</i> , 2018, 15, 23.	1.5	64
160	Apoptosis of intestinal epithelial cells restricts Clostridium difficile infection in a model of pseudomembranous colitis. <i>Nature Communications</i> , 2018, 9, 4846.	5.8	53
161	ESCRT-dependent membrane repair negatively regulates pyroptosis downstream of GSDMD activation. <i>Science</i> , 2018, 362, 956-960.	6.0	466
162	Cryo-EM structure of the NLRC4CARD filament provides insights into how symmetric and asymmetric supramolecular structures drive inflammasome assembly. <i>Journal of Biological Chemistry</i> , 2018, 293, 20240-20248.	1.6	29
163	Shiga Toxin/Lipopolysaccharide Activates Caspase-4 and Gasdermin D to Trigger Mitochondrial Reactive Oxygen Species Upstream of the NLRP3 Inflammasome. <i>Cell Reports</i> , 2018, 25, 1525-1536.e7.	2.9	117
164	Regulatory Roles of the Caspase-11 Non-Canonical Inflammasome in Inflammatory Diseases. <i>Immune Network</i> , 2018, 18, e41.	1.6	51

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165	Guanylate-binding protein 5 licenses caspase-11 for Gasdermin-D mediated host resistance to <i>Brucella abortus</i> infection. <i>PLoS Pathogens</i> , 2018, 14, e1007519.	2.1	67
166	Francisella induced microparticulate caspase-1/gasdermin-D activation is regulated by NLRP3 independent of Pypin. <i>PLoS ONE</i> , 2018, 13, e0209931.	1.1	2
167	Inhibition of inflammasome activation by a clinical strain of <i>Klebsiella pneumoniae</i> impairs efferocytosis and leads to bacterial dissemination. <i>Cell Death and Disease</i> , 2018, 9, 1182.	2.7	36
168	Gasdermin E Does Not Limit Apoptotic Cell Disassembly by Promoting Early Onset of Secondary Necrosis in Jurkat T Cells and THP-1 Monocytes. <i>Frontiers in Immunology</i> , 2018, 9, 2842.	2.2	32
169	When and how NK cell-induced programmed cell death benefits immunological protection against intracellular pathogen infection. <i>Innate Immunity</i> , 2018, 24, 452-465.	1.1	28
170	The role of mitochondria in NLRP3 inflammasome activation. <i>Molecular Immunology</i> , 2018, 103, 115-124.	1.0	297
171	Cryo-EM structures of ASC and NLRC4 CARD filaments reveal a unified mechanism of nucleation and activation of caspase-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10845-10852.	3.3	103
172	Gasdermin Family: a Promising Therapeutic Target for Stroke. <i>Translational Stroke Research</i> , 2018, 9, 555-563.	2.3	40
173	Regulation of NLRP3 Inflammasome by Phosphorylation. <i>Frontiers in Immunology</i> , 2018, 9, 2305.	2.2	173
174	The Possibility and Molecular Mechanisms of Cell Pyroptosis After Cerebral Ischemia. <i>Neuroscience Bulletin</i> , 2018, 34, 1131-1136.	1.5	50
175	Pathogen blockade of TAK1 triggers caspase-8-dependent cleavage of gasdermin D and cell death. <i>Science</i> , 2018, 362, 1064-1069.	6.0	639
176	Regulated Cell Death. , 2018, , 427-466.		0
177	Sebaceous gland abnormalities in fatty acyl CoA reductase 2 (Far2) null mice result in primary cicatricial alopecia. <i>PLoS ONE</i> , 2018, 13, e0205775.	1.1	14
178	Atypical Gasdermin D and Mixed Lineage Kinase Domain-like Protein Leakage Aggravates Tetrachlorobenzoquinone-Induced Nod-like Receptor Protein 3 Inflammasome Activation. <i>Chemical Research in Toxicology</i> , 2018, 31, 1418-1425.	1.7	10
179	Caspase-8 induces cleavage of gasdermin D to elicit pyroptosis during <i>Yersinia</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10888-E10897.	3.3	541
180	Genome Editing of Human Primary Keratinocytes by CRISPR/Cas9 Reveals an Essential Role of the NLRP1 Inflammasome in UVB Sensing. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2644-2652.	0.3	79
181	Inflammasomes in the gastrointestinal tract: infection, cancer and gut microbiota homeostasis. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 721-737.	8.2	193
182	Inflammasomes: An Emerging Mechanism Translating Environmental Toxicant Exposure Into Neuroinflammation in Parkinson's Disease. <i>Toxicological Sciences</i> , 2018, 166, 3-15.	1.4	36

#	ARTICLE	IF	CITATIONS
183	Genipin Reverses HFD-Induced Liver Damage and Inhibits UCP2-Mediated Pyroptosis in Mice. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 1885-1897.	1.1	23
184	From Inflammasome to Exosome—Does Extracellular Vesicle Secretion Constitute an Inflammasome-Dependent Immune Response?. <i>Frontiers in Immunology</i> , 2018, 9, 2188.	2.2	100
185	Cytosolic Recognition of Microbes and Pathogens: Inflammasomes in Action. <i>Microbiology and Molecular Biology Reviews</i> , 2018, 82, .	2.9	124
186	USP7 and USP47 deubiquitinases regulate NLRP3 inflammasome activation. <i>EMBO Reports</i> , 2018, 19, .	2.0	131
187	<i>Listeria monocytogenes</i> : The Impact of Cell Death on Infection and Immunity. <i>Pathogens</i> , 2018, 7, 8.	1.2	27
188	Cardiomyocyte Inflammasome Signaling in Cardiomyopathies and Atrial Fibrillation: Mechanisms and Potential Therapeutic Implications. <i>Frontiers in Physiology</i> , 2018, 9, 1115.	1.3	53
189	A Network of Physiological Interactions Modulating GI Homeostasis: Probiotics, Inflammasome, mTOR. , 2018, , .		0
190	An Update on Autoinflammatory Diseases: Inflammasomopathies. <i>Current Rheumatology Reports</i> , 2018, 20, 40.	2.1	68
191	The mitochondrial protease HtrA2 restricts the NLRP3 and AIM2 inflammasomes. <i>Scientific Reports</i> , 2018, 8, 8446.	1.6	19
192	Inflammasomes in livestock and wildlife: Insights into the intersection of pathogens and natural host species. <i>Veterinary Immunology and Immunopathology</i> , 2018, 201, 49-56.	0.5	22
193	Inflammatory caspase-related pyroptosis: mechanism, regulation and therapeutic potential for inflammatory bowel disease. <i>Gastroenterology Report</i> , 2018, 6, 167-176.	0.6	83
194	Mass Spectrometry-based Structural Analysis and Systems Immunoproteomics Strategies for Deciphering the Host Response to Endotoxin. <i>Journal of Molecular Biology</i> , 2018, 430, 2641-2660.	2.0	21
195	Mixed micellar system stabilized with saponins for oral delivery of vitamin K. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 521-528.	2.5	16
196	ASC specks: a biomarker for myelodysplastic syndromes?. <i>Lancet Haematology</i> ,the, 2018, 5, e379-e380.	2.2	2
197	Interleukin-1 $\beta$ Maturation Triggers Its Relocation to the Plasma Membrane for Gasdermin-D-Dependent and -Independent Secretion. <i>Cell Reports</i> , 2018, 24, 1425-1433.	2.9	215
198	Scutellarin Suppresses NLRP3 Inflammasome Activation in Macrophages and Protects Mice against Bacterial Sepsis. <i>Frontiers in Pharmacology</i> , 2017, 8, 975.	1.6	75
199	Oxidative Stress and NLRP3-Inflammasome Activity as Significant Drivers of Diabetic Cardiovascular Complications: Therapeutic Implications. <i>Frontiers in Physiology</i> , 2018, 9, 114.	1.3	150
200	Neuronal Cell Death. <i>Physiological Reviews</i> , 2018, 98, 813-880.	13.1	737

#	ARTICLE	IF	CITATIONS
201	Origin and Consequences of Necroinflammation. <i>Physiological Reviews</i> , 2018, 98, 727-780.	13.1	147
202	Non-Hematopoietic MLKL Protects Against Salmonella Mucosal Infection by Enhancing Inflammasome Activation. <i>Frontiers in Immunology</i> , 2018, 9, 119.	2.2	21
203	Integrin $\alpha$ 2 $\beta$ 2 (CD11d/CD18) Modulates Leukocyte Accumulation, Pathogen Clearance, and Pyroptosis in Experimental Salmonella Typhimurium Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1128.	2.2	10
204	Mechanisms of Gasdermin Family Members in Inflammasome Signaling and Cell Death. <i>Journal of Molecular Biology</i> , 2018, 430, 3068-3080.	2.0	271
205	Inflammasome, T Lymphocytes and Innate-Adaptive Immunity Crosstalk: Role in Cardiovascular Disease and Therapeutic Perspectives. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1352-1369.	1.8	18
206	Growing a gasdermin pore in membranes of pyroptotic cells. <i>EMBO Journal</i> , 2018, 37, .	3.5	15
207	Ablation of caspase-1 protects against TBI-induced pyroptosis in vitro and in vivo. <i>Journal of Neuroinflammation</i> , 2018, 15, 48.	3.1	129
208	Triggering and resolution of inflammation in NASH. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2018, 15, 349-364.	8.2	560
209	Evidence for the activation of pyroptotic and apoptotic pathways in RPE cells associated with NLRP3 inflammasome in the rodent eye. <i>Journal of Neuroinflammation</i> , 2018, 15, 15.	3.1	57
210	P2X7 receptor mediates NLRP3-dependent IL-1 $\beta$ secretion and parasite proliferation in <i>Toxoplasma gondii</i> -infected human small intestinal epithelial cells. <i>Parasites and Vectors</i> , 2018, 11, 1.	1.0	176
211	Influenza A Virus Infection Triggers Pyroptosis and Apoptosis of Respiratory Epithelial Cells through the Type I Interferon Signaling Pathway in a Mutually Exclusive Manner. <i>Journal of Virology</i> , 2018, 92, .	1.5	83
212	The inflammasomes, immune guardians at defence barriers. <i>Immunology</i> , 2018, 155, 320-330.	2.0	35
213	Noncanonical inflammasome signaling elicits gasdermin D $\alpha$ -dependent neutrophil extracellular traps. <i>Science Immunology</i> , 2018, 3, .	5.6	425
214	Chemical disruption of the pyroptotic pore-forming protein gasdermin D inhibits inflammatory cell death and sepsis. <i>Science Immunology</i> , 2018, 3, .	5.6	369
215	Gasdermin D plays a vital role in the generation of neutrophil extracellular traps. <i>Science Immunology</i> , 2018, 3, .	5.6	486
216	Gasdermin D Restrains Type I Interferon Response to Cytosolic DNA by Disrupting Ionic Homeostasis. <i>Immunity</i> , 2018, 49, 413-426.e5.	6.6	187
217	SopB activates the Akt-YAP pathway to promote <i>Salmonella</i> survival within B cells. <i>Virulence</i> , 2018, 9, 1390-1402.	1.8	27
218	NLRP3 Inflammasome Participates in Host Response to <i>Neospora caninum</i> Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1791.	2.2	36

#	ARTICLE	IF	CITATIONS
219	Unconventional Ways to Live and Die: Cell Death and Survival in Development, Homeostasis, and Disease. <i>Annual Review of Cell and Developmental Biology</i> , 2018, 34, 311-332.	4.0	109
220	AIM2 deficiency reduces the development of hepatocellular carcinoma in mice. <i>International Journal of Cancer</i> , 2018, 143, 2997-3007.	2.3	30
221	Caspase-11 auto-proteolysis is crucial for noncanonical inflammasome activation. <i>Journal of Experimental Medicine</i> , 2018, 215, 2279-2288.	4.2	117
222	Mechanism of membrane pore formation by human gasdermin D. <i>EMBO Journal</i> , 2018, 37, .	3.5	178
223	NLRP3 Inflammasome and the IL-1 Pathway in Atherosclerosis. <i>Circulation Research</i> , 2018, 122, 1722-1740.	2.0	564
224	The pathological role of NLRs and AIM2 inflammasome-mediated pyroptosis in damaged blood-brain barrier after traumatic brain injury. <i>Brain Research</i> , 2018, 1697, 10-20.	1.1	99
225	Mechanism of gasdermin D recognition by inflammatory caspases and their inhibition by a gasdermin D-derived peptide inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6792-6797.	3.3	119
226	Caspase-1 inhibition prevents glial inflammasome activation and pyroptosis in models of multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6065-E6074.	3.3	346
227	Lipid Peroxidation Drives Gasdermin D-Mediated Pyroptosis in Lethal Polymicrobial Sepsis. <i>Cell Host and Microbe</i> , 2018, 24, 97-108.e4.	5.1	390
228	Programmed necrosis in cardiomyocytes: mitochondria, death receptors and beyond. <i>British Journal of Pharmacology</i> , 2019, 176, 4319-4339.	2.7	48
229	Enigma of Inflammasome Activation by Kinases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1501-1503.	1.1	5
230	Host Cell Death Responses to Non-typhoidal Salmonella Infection. <i>Frontiers in Immunology</i> , 2019, 10, 1758.	2.2	48
231	Empagliflozin prevents cardiomyopathy via sGC-cGMP-PKG pathway in type 2 diabetes mice. <i>Clinical Science</i> , 2019, 133, 1705-1720.	1.8	64
232	IL-18/IL-18BP and IL-22/IL-22BP: Two interrelated couples with therapeutic potential. <i>Cellular Signalling</i> , 2019, 63, 109388.	1.7	34
233	Teleost Gasdermin E Is Cleaved by Caspase 1, 3, and 7 and Induces Pyroptosis. <i>Journal of Immunology</i> , 2019, 203, 1369-1382.	0.4	67
234	Caspase-11-dependent IL-1 $\beta$ release boosts Th17 immunity against <i>Paracoccidioides brasiliensis</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007990.	2.1	19
235	Fundamental Mechanisms of Regulated Cell Death and Implications for Heart Disease. <i>Physiological Reviews</i> , 2019, 99, 1765-1817.	13.1	550
236	AGER-Mediated Lipid Peroxidation Drives Caspase-11 Inflammasome Activation in Sepsis. <i>Frontiers in Immunology</i> , 2019, 10, 1904.	2.2	26

#	ARTICLE	IF	CITATIONS
237	The DNA Repair Nuclease MRE11A Functions as a Mitochondrial Protector and Prevents T Cell Pyroptosis and Tissue Inflammation. <i>Cell Metabolism</i> , 2019, 30, 477-492.e6.	7.2	105
238	IL-1RA is part of the inflammasome-regulated immune response in bladder epithelial cells and influences colonization of uropathogenic <i>E. coli</i> . <i>Cytokine</i> , 2019, 123, 154772.	1.4	13
239	Keeping the Death Protein in Check. <i>Immunity</i> , 2019, 51, 1-2.	6.6	22
240	Innate Immune Recognition: An Issue More Complex Than Expected. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 241.	1.8	46
241	Divergent Roles for the IL-1 Family in Gastrointestinal Homeostasis and Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 1266.	2.2	46
242	Gasdermins: novel mitochondrial pore-forming proteins. <i>Molecular and Cellular Oncology</i> , 2019, 6, e1621501.	0.3	18
243	GSDMD is required for effector CD8+ T cell responses to lung cancer cells. <i>International Immunopharmacology</i> , 2019, 74, 105713.	1.7	114
244	NaCl Nanoparticles as a Cancer Therapeutic. <i>Advanced Materials</i> , 2019, 31, e1904058.	11.1	74
245	Genome-wide analysis of the plant-specific VQ motif-containing proteins in tomato ( <i>Solanum</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 2019, 143, 29-39.	2.8	34
246	Gasdermin D Drives the Nonexosomal Secretion of Galectin-3, an Insulin Signal Antagonist. <i>Journal of Immunology</i> , 2019, 203, 2712-2723.	0.4	15
247	Effectiveness of Huai Qi Huang Granules on Juvenile Collagen-induced Arthritis and Its Influence on Pyroptosis Pathway in Synovial Tissue. <i>Current Medical Science</i> , 2019, 39, 784-793.	0.7	11
248	Induction of Pyroptosis and Its Implications in Cancer Management. <i>Frontiers in Oncology</i> , 2019, 9, 971.	1.3	154
249	<i>miR-590-3p</i> Inhibits Pyroptosis in Diabetic Retinopathy by Targeting <i>NLRP1</i> and Inactivating the NOX4 Signaling Pathway. , 2019, 60, 4215.		84
250	Docosahexaenoic Acid Suppresses Silica-Induced Inflammasome Activation and IL-1 Cytokine Release by Interfering With Priming Signal. <i>Frontiers in Immunology</i> , 2019, 10, 2130.	2.2	30
251	Structural Immunology. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	4
252	Targeting NLRP3 Inflammasome Activation in Severe Asthma. <i>Journal of Clinical Medicine</i> , 2019, 8, 1615.	1.0	65
253	Pyroptosis in Liver Disease: New Insights into Disease Mechanisms. , 2019, 10, 1094.		91
254	Inhibition of pyroptosis attenuates <i>Staphylococcus aureus</i> -induced bone injury in traumatic osteomyelitis. <i>Annals of Translational Medicine</i> , 2019, 7, 170-170.	0.7	44

#	ARTICLE	IF	CITATIONS
255	Emerging Activators and Regulators of Inflammation and Pyroptosis. <i>Trends in Immunology</i> , 2019, 40, 1035-1052.	2.9	340
256	Jinmaitong Ameliorates Diabetic Peripheral Neuropathy Through Suppressing TXNIP/NLRP3 Inflammation In The Streptozotocin-Induced Diabetic Rat Model. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 2145-2155.	1.1	26
257	Rescue from a fiery death: A therapeutic endeavor. <i>Science</i> , 2019, 366, 688-689.	6.0	23
258	Combating Human Pathogens and Cancer by Targeting Phosphoinositides and Their Metabolism. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 866-882.	4.0	10
259	Protein interactions of the inflammasome adapter ASC by solution NMR. <i>Methods in Enzymology</i> , 2019, 625, 223-252.	0.4	8
260	Crystal Structure-Based Exploration of Arginine-Containing Peptide Binding in the ADP-Ribosyltransferase Domain of the Type III Effector XopAI Protein. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5085.	1.8	4
261	Pharmacological Inhibitors of the NLRP3 Inflammasome. <i>Frontiers in Immunology</i> , 2019, 10, 2538.	2.2	436
262	Gasdermin D: Evidence of pyroptosis in spontaneous preterm labor with sterile intra-amniotic inflammation or intra-amniotic infection. <i>American Journal of Reproductive Immunology</i> , 2019, 82, e13184.	1.2	33
263	<i>Toxoplasma gondii</i> activates a Syk-CARD9-NF- $\kappa$ B signaling axis and gasdermin D-independent release of IL-1 $\beta$ during infection of primary human monocytes. <i>PLoS Pathogens</i> , 2019, 15, e1007923.	2.1	46
264	Doxorubicin induces cardiomyocyte pyroptosis via the TINCR-mediated posttranscriptional stabilization of NLR family pyrin domain containing 3. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 136, 15-26.	0.9	75
265	Zebrafish in Inflammasome Research. <i>Cells</i> , 2019, 8, 901.	1.8	32
266	The Multifaceted Roles of Pyroptotic Cell Death Pathways in Cancer. <i>Cancers</i> , 2019, 11, 1313.	1.7	45
267	Gasdermin D activity in inflammation and host defense. <i>Science Immunology</i> , 2019, 4, .	5.6	119
268	Gasdermin D in peripheral myeloid cells drives neuroinflammation in experimental autoimmune encephalomyelitis. <i>Journal of Experimental Medicine</i> , 2019, 216, 2562-2581.	4.2	110
269	The Molecular Links between Cell Death and Inflammasome. <i>Cells</i> , 2019, 8, 1057.	1.8	44
270	The role of pyroptosis in cancer: pro-cancer or pro- $\alpha$ -host?. <i>Cell Death and Disease</i> , 2019, 10, 650.	2.7	556
271	Inflammasomes: Threat-Assessment Organelles of the Innate Immune System. <i>Immunity</i> , 2019, 51, 609-624.	6.6	118
272	Viewing <i>Legionella pneumophila</i> Pathogenesis through an Immunological Lens. <i>Journal of Molecular Biology</i> , 2019, 431, 4321-4344.	2.0	32



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273	Omnipresence of inflammasome activities in inflammatory bone diseases. <i>Seminars in Immunopathology</i> , 2019, 41, 607-618.	2.8	30
274	Gasdermins and their role in immunity and inflammation. <i>Journal of Experimental Medicine</i> , 2019, 216, 2453-2465.	4.2	187
275	Pleiotropic Roles of P2X7 in the Central Nervous System. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 401.	1.8	35
276	NLRP3 inflammasome in fibroblasts links tissue damage with inflammation in breast cancer progression and metastasis. <i>Nature Communications</i> , 2019, 10, 4375.	5.8	190
277	Critical roles of NLRP3 inflammasome in IL-1 $\beta$ secretion induced by <i>Corynebacterium pseudotuberculosis</i> in vitro. <i>Molecular Immunology</i> , 2019, 116, 11-17.	1.0	12
278	Divide to conquer: NLRP3 is activated on dispersed trans-Golgi network. <i>Cell Research</i> , 2019, 29, 181-182.	5.7	5
279	Stressing out the mitochondria: Mechanistic insights into NLRP3 inflammasome activation. <i>Journal of Leukocyte Biology</i> , 2019, 105, 377-399.	1.5	75
280	The central role of inflammatory signaling in the pathogenesis of myelodysplastic syndromes. <i>Blood</i> , 2019, 133, 1039-1048.	0.6	172
281	Molecular mechanism for NLRP6 inflammasome assembly and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2052-2057.	3.3	86
282	Intracellular Lipopolysaccharide Sensing as a Potential Therapeutic Target for Sepsis. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 187-197.	4.0	88
283	Targeting intrinsic cell death pathways to control fungal pathogens. <i>Biochemical Pharmacology</i> , 2019, 162, 71-78.	2.0	22
284	Regulation of gasdermin D by miR-379-5p is involved in arsenite-induced activation of hepatic stellate cells and in fibrosis via secretion of IL-1 $\beta$ from human hepatic cells. <i>Metallomics</i> , 2019, 11, 483-495.	1.0	30
285	Inhibition of NLRP3 inflammasome-mediated pyroptosis in macrophage by cycloastragenol contributes to amelioration of imiquimod-induced psoriasis-like skin inflammation in mice. <i>International Immunopharmacology</i> , 2019, 74, 105682.	1.7	57
286	The Pyroptotic Cell Death Effector Gasdermin D Is Activated by Gout-Associated Uric Acid Crystals but Is Dispensable for Cell Death and IL-1 $\beta$ Release. <i>Journal of Immunology</i> , 2019, 203, 736-748.	0.4	93
287	Cathepsin G Inhibition by Serpinb1 and Serpinb6 Prevents Programmed Necrosis in Neutrophils and Monocytes and Reduces GSDMD-Driven Inflammation. <i>Cell Reports</i> , 2019, 27, 3646-3656.e5.	2.9	166
288	Gasdermin D protects against noninfectious liver injury by regulating apoptosis and necroptosis. <i>Cell Death and Disease</i> , 2019, 10, 481.	2.7	31
289	Evaluation of Canonical Inflammasome Activation in Human Monocytes by Imaging Flow Cytometry. <i>Frontiers in Immunology</i> , 2019, 10, 1284.	2.2	28
290	Caspase-11 Mediates Pyroptosis of Tubular Epithelial Cells and Septic Acute Kidney Injury. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 465-478.	0.9	52

#	ARTICLE	IF	CITATIONS
291	Biochemical and microscopic analysis of inflammasome complex formation. <i>Methods in Enzymology</i> , 2019, 625, 287-298.	0.4	8
292	Butyrate rather than LPS subverts gingival epithelial homeostasis by downregulation of intercellular junctions and triggering pyroptosis. <i>Journal of Clinical Periodontology</i> , 2019, 46, 894-907.	2.3	47
293	An NLRP3 inflammasome-triggered cytokine storm contributes to Streptococcal toxic shock-like syndrome (STSLs). <i>PLoS Pathogens</i> , 2019, 15, e1007795.	2.1	92
294	ATP induces caspase-3/gasdermin E-mediated pyroptosis in NLRP3 pathway-blocked murine macrophages. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 703-717.	2.2	67
295	Cryo-EM studies of NAIP&NLR4 inflammasomes. <i>Methods in Enzymology</i> , 2019, 625, 177-204.	0.4	6
296	Supramolecular Complexes in Cell Death and Inflammation and Their Regulation by Autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 73.	1.8	8
297	Crystal structure of a cytotoxic protein from lamprey and its mechanism of action in the selective killing of cancer cells. <i>Cell Communication and Signaling</i> , 2019, 17, 54.	2.7	24
298	Structure, interactions and self-assembly of ASC-dependent inflammasomes. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 15-31.	1.4	46
299	The role of inflammasomes in kidney disease. <i>Nature Reviews Nephrology</i> , 2019, 15, 501-520.	4.1	196
300	Monitoring gasdermin pore formation in vitro. <i>Methods in Enzymology</i> , 2019, 625, 95-107.	0.4	20
301	<i>Staphylococcus aureus</i> Î±-toxin: small pore, large consequences. <i>Biological Chemistry</i> , 2019, 400, 1261-1276.	1.2	35
302	Structural mechanism for NEK7-licensed activation of NLRP3 inflammasome. <i>Nature</i> , 2019, 570, 338-343.	13.7	467
303	The role of interleukin-1 in general pathology. <i>Inflammation and Regeneration</i> , 2019, 39, 12.	1.5	328
304	Role of Pyroptosis in Cardiovascular Diseases and its Therapeutic Implications. <i>International Journal of Biological Sciences</i> , 2019, 15, 1345-1357.	2.6	179
305	NOD-like receptor family, pyrin domain containing 3 (NLRP3) contributes to inflammation, pyroptosis, and mucin production in human airway epithelium on rhinovirus infection. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 777-787.e9.	1.5	63
306	TLR11-independent inflammasome activation is critical for CD4+ T cell-derived IFN-Î³ production and host resistance to <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2019, 15, e1007872.	2.1	28
307	The cleavage of gasdermin D by caspase-11 promotes tubular epithelial cell pyroptosis and urinary IL-18 excretion in acute kidney injury. <i>Kidney International</i> , 2019, 96, 1105-1120.	2.6	142
308	IRF2 transcriptionally induces <i>GSDMD</i> expression for pyroptosis. <i>Science Signaling</i> , 2019, 12, .	1.6	120

#	ARTICLE	IF	CITATIONS
309	Structural and mechanistic elucidation of inflammasome signaling by cryo-EM. <i>Current Opinion in Structural Biology</i> , 2019, 58, 18-25.	2.6	23
310	cAMP metabolism controls caspase-11 inflammasome activation and pyroptosis in sepsis. <i>Science Advances</i> , 2019, 5, eaav5562.	4.7	89
311	Caspase-1 initiates apoptosis in the absence of gasdermin D. <i>Nature Communications</i> , 2019, 10, 2091.	5.8	301
312	Granulysin: killer lymphocyte safeguard against microbes. <i>Current Opinion in Immunology</i> , 2019, 60, 19-29.	2.4	43
313	Analysis of extracellular vesicles generated from monocytes under conditions of lytic cell death. <i>Scientific Reports</i> , 2019, 9, 7538.	1.6	39
314	Inflammasome Activation Triggers Blood Clotting and Host Death through Pyroptosis. <i>Immunity</i> , 2019, 50, 1401-1411.e4.	6.6	246
315	Cell Survival and Cytokine Release after Inflammasome Activation Is Regulated by the Toll-IL-1R Protein SARM. <i>Immunity</i> , 2019, 50, 1412-1424.e6.	6.6	97
316	Inflammatory caspase regulation: maintaining balance between inflammation and cell death in health and disease. <i>FEBS Journal</i> , 2019, 286, 2628-2644.	2.2	49
317	Activation of Pyroptotic Cell Death Pathways in Cancer: An Alternative Therapeutic Approach. <i>Translational Oncology</i> , 2019, 12, 925-931.	1.7	70
318	Crystal Structures of the Full-Length Murine and Human Gasdermin D Reveal Mechanisms of Autoinhibition, Lipid Binding, and Oligomerization. <i>Immunity</i> , 2019, 51, 43-49.e4.	6.6	151
319	Novel Drivers of the Inflammatory Response in Liver Injury and Fibrosis. <i>Seminars in Liver Disease</i> , 2019, 39, 275-282.	1.8	33
320	Bayonets over bombs: RIPK3 and MLKL restrict <i>Listeria</i> without triggering necroptosis. <i>Journal of Cell Biology</i> , 2019, 218, 1773-1775.	2.3	3
321	Nlrp3 inflammasome activation and Gasdermin D-driven pyroptosis are immunopathogenic upon gastrointestinal norovirus infection. <i>PLoS Pathogens</i> , 2019, 15, e1007709.	2.1	72
322	The role of pyroptosis in gastrointestinal cancer and immune responses to intestinal microbial infection. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019, 1872, 1-10.	3.3	98
323	Effects of Cr(VI)-induced calcium-sensing receptor activation on DF-1 cell pyroptosis. <i>Ecotoxicology and Environmental Safety</i> , 2019, 179, 257-264.	2.9	12
324	Pigment Nephropathy: Novel Insights into Inflammasome-Mediated Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1997.	1.8	14
325	The NLRP3 inflammasome: molecular activation and regulation to therapeutics. <i>Nature Reviews Immunology</i> , 2019, 19, 477-489.	10.6	2,601
326	Î²-glucan suppresses cell death of ASC deficient macrophages invaded by periodontopathic bacteria through the caspase-11 pathway. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	4

#	ARTICLE	IF	CITATIONS
327	Gasdermin D Protects from Melioidosis through Pyroptosis and Direct Killing of Bacteria. <i>Journal of Immunology</i> , 2019, 202, 3468-3473.	0.4	51
328	Innate immunity in allergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1660-1674.	2.7	44
329	On the Road to Discovering the Elusive Executioner of Pyroptosis. <i>Journal of Immunology</i> , 2019, 202, 1911-1912.	0.4	0
330	Guanylate-binding proteins at the crossroad of noncanonical inflammasome activation during bacterial infections. <i>Journal of Leukocyte Biology</i> , 2019, 106, 553-562.	1.5	31
331	Extrinsic and intrinsic apoptosis activate pannexin-1 to drive NLRP3 inflammasome assembly. <i>EMBO Journal</i> , 2019, 38, .	3.5	264
332	Multifactorial functions of the inflammasome component NLRP3 in pathogenesis of chronic kidney diseases. <i>Kidney International</i> , 2019, 96, 58-66.	2.6	90
333	P2X7 receptor in cardiovascular disease: The heart side. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 513-526.	0.9	26
334	Inner sensors of endotoxin – implications for sepsis research and therapy. <i>FEMS Microbiology Reviews</i> , 2019, 43, 239-256.	3.9	43
335	Interplay between Mitophagy and Inflammasomes in Neurological Disorders. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2195-2208.	1.7	19
336	Eukaryotic elongation factor-2 kinase regulates the cross-talk between autophagy and pyroptosis in doxorubicin-treated human melanoma cells in vitro. <i>Acta Pharmacologica Sinica</i> , 2019, 40, 1237-1244.	2.8	89
337	Lipopolysaccharide (LPS) Aggravates High Glucose- and Hypoxia/Reoxygenation-Induced Injury through Activating ROS-Dependent NLRP3 Inflammasome-Mediated Pyroptosis in H9C2 Cardiomyocytes. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-12.	1.0	216
338	Recognition of Intracellular Bacteria by Inflammasomes. <i>Microbiology Spectrum</i> , 2019, 7, .	1.2	29
339	Regulated necrosis in kidney ischemia-reperfusion injury. <i>Kidney International</i> , 2019, 96, 291-301.	2.6	191
340	Neutrophil pyroptosis: new perspectives on sepsis. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2031-2042.	2.4	135
341	Innate immunity to intracellular LPS. <i>Nature Immunology</i> , 2019, 20, 527-533.	7.0	342
342	Inflammasome activation restrains the intracellular <i>Neospora caninum</i> proliferation in bovine macrophages. <i>Veterinary Parasitology</i> , 2019, 268, 16-20.	0.7	15
343	Nonsaponin fraction of Korean Red Ginseng attenuates cytokine production via inhibition of TLR4 expression. <i>Journal of Ginseng Research</i> , 2019, 43, 291-299.	3.0	27
344	Gasdermin pores permeabilize mitochondria to augment caspase-3 activation during apoptosis and inflammasome activation. <i>Nature Communications</i> , 2019, 10, 1689.	5.8	479

#	ARTICLE	IF	CITATIONS
345	Early endosome autoantigen 1 regulates IL-1 $\beta$ release upon caspase-1 activation independently of gasdermin D membrane permeabilization. <i>Scientific Reports</i> , 2019, 9, 5788.	1.6	22
346	Necroptosis mediators RIPK3 and MLKL suppress intracellular <i>Listeria</i> replication independently of host cell killing. <i>Journal of Cell Biology</i> , 2019, 218, 1994-2005.	2.3	48
347	Inflammasome Activation Induces Pyroptosis in the Retina Exposed to Ocular Hypertension Injury. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 36.	1.4	69
348	The molecular machinery of regulated cell death. <i>Cell Research</i> , 2019, 29, 347-364.	5.7	1,373
349	Reconstitution and structure of a plant NLR resistosome conferring immunity. <i>Science</i> , 2019, 364, .	6.0	551
350	Mechanism of plant immune activation and signaling: Insight from the first solved plant resistosome structure. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 902-907.	4.1	4
351	Gasdermin D (GSDMD) as a new target for the treatment of infection. <i>MedChemComm</i> , 2019, 10, 660-667.	3.5	41
352	The pathological features of regulated necrosis. <i>Journal of Pathology</i> , 2019, 247, 697-707.	2.1	114
353	Human Cytomegalovirus Immediate Early 86-kDa Protein Blocks Transcription and Induces Degradation of the Immature Interleukin-1 $\beta$ Protein during Virion-Mediated Activation of the AIM2 Inflammasome. <i>MBio</i> , 2019, 10, .	1.8	40
354	Cytosolic Nucleic Acid Sensors in Inflammatory and Autoimmune Disorders. <i>International Review of Cell and Molecular Biology</i> , 2019, 344, 215-253.	1.6	23
355	Increased gene copy number of <i>DEFA1/DEFA3</i> worsens sepsis by inducing endothelial pyroptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3161-3170.	3.3	41
356	Autoinflammation: Past, Present, and Future. , 2019, , 3-15.		3
357	Metformin induces human esophageal carcinoma cell pyroptosis by targeting the miR-497/PELP1 axis. <i>Cancer Letters</i> , 2019, 450, 22-31.	3.2	154
358	Inflammasome Inhibition Links IRGM to Innate Immunity. <i>Molecular Cell</i> , 2019, 73, 391-392.	4.5	9
359	The role of microglial inflammasome activation in pyroptotic cell death following penetrating traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2019, 16, 27.	3.1	75
360	Phosphoinositides: multipurpose cellular lipids with emerging roles in cell death. <i>Cell Death and Differentiation</i> , 2019, 26, 781-793.	5.0	33
361	The classical NLRP3 inflammasome controls FADD unconventional secretion through microvesicle shedding. <i>Cell Death and Disease</i> , 2019, 10, 190.	2.7	33
362	Simultaneous polychromatic flow cytometric detection of multiple forms of regulated cell death. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 453-464.	2.2	18

#	ARTICLE	IF	CITATIONS
363	AIM2 gene silencing attenuates diabetic cardiomyopathy in type 2 diabetic rat model. <i>Life Sciences</i> , 2019, 221, 249-258.	2.0	64
364	Inflammasomes, neutrophil extracellular traps, and cholesterol. <i>Journal of Lipid Research</i> , 2019, 60, 721-727.	2.0	92
365	Tuning the way to die: implications of membrane perturbations in necroptosis. <i>Advances in Biomembranes and Lipid Self-Assembly</i> , 2019, , 201-247.	0.3	6
366	Recent advances in the mechanisms of NLRP3 inflammasome activation and its inhibitors. <i>Cell Death and Disease</i> , 2019, 10, 128.	2.7	835
367	Endogenous pore-forming protein complex targets acidic glycosphingolipids in lipid rafts to initiate endolysosome regulation. <i>Communications Biology</i> , 2019, 2, 59.	2.0	16
368	NOD-like receptors and inflammasomes: A review of their canonical and non-canonical signaling pathways. <i>Archives of Biochemistry and Biophysics</i> , 2019, 670, 4-14.	1.4	250
369	Tracking the polymerization of DNA sensors and inflammasomes using FRET. <i>Methods in Enzymology</i> , 2019, 625, 87-94.	0.4	5
370	Caspase-1 counteracts mitochondrial ROS-mediated clearance of <i>Staphylococcus aureus</i> in macrophages. <i>EMBO Reports</i> , 2019, 20, e48109.	2.0	28
371	Pyroptosis in Antiviral Immunity. <i>Current Topics in Microbiology and Immunology</i> , 2019, , 65-83.	0.7	25
372	Interplays between Enterovirus A71 and the innate immune system. <i>Journal of Biomedical Science</i> , 2019, 26, 95.	2.6	19
373	Pyroptosis is a critical inflammatory pathway in the placenta from early onset preeclampsia and in human trophoblasts exposed to hypoxia and endoplasmic reticulum stressors. <i>Cell Death and Disease</i> , 2019, 10, 927.	2.7	138
374	T cell fate following <i>Salmonella</i> infection is determined by a STING-IRF1 signaling axis in mice. <i>Communications Biology</i> , 2019, 2, 464.	2.0	15
375	NLRP3 Inflammasome in Acute Myocardial Infarction. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 175-187.	0.8	71
376	Exosomes Mediate Hippocampal and Cortical Neuronal Injury Induced by Hepatic Ischemia-Reperfusion Injury through Activating Pyroptosis in Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-17.	1.9	55
377	The NLRP3 inflammasome: a new player in neurological diseases. <i>Turkish Journal of Biology</i> , 2019, 43, 349-359.	2.1	31
378	T Cells and Regulated Cell Death. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 27-71.	1.6	27
379	Evidence that NLRC4 inflammasome mediates apoptotic and pyroptotic microglial death following ischemic stroke. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 34-47.	2.0	129
380	Dysregulation of immunoproteasomes in autoinflammatory syndromes. <i>International Immunology</i> , 2019, 31, 631-637.	1.8	6

#	ARTICLE	IF	CITATIONS
381	Pharmacological Inhibition of CCR2/5 Signaling Prevents and Reverses Alcohol-Induced Liver Damage, Steatosis, and Inflammation in Mice. <i>Hepatology</i> , 2019, 69, 1105-1121.	3.6	133
382	Innate immunity as a target for acute cardioprotection. <i>Cardiovascular Research</i> , 2019, 115, 1131-1142.	1.8	101
383	Gasdermin D serves as a key executioner of pyroptosis in experimental cerebral ischemia and reperfusion model both in vivo and in vitro. <i>Journal of Neuroscience Research</i> , 2019, 97, 645-660.	1.3	115
384	The mechanisms of NLRP3 inflammasome/pyroptosis activation and their role in Parkinson's disease. <i>International Immunopharmacology</i> , 2019, 67, 458-464.	1.7	294
385	Role of pyroptosis in cardiovascular diseases. <i>International Immunopharmacology</i> , 2019, 67, 311-318.	1.7	171
386	&lt;b&gt;&lt;i&gt;Trichomonas vaginalis&lt;/i&gt;&lt;/b&gt; Induces NLRP3 Inflammasome Activation and Pyroptotic Cell Death in Human Macrophages. <i>Journal of Innate Immunity</i> , 2019, 11, 86-98.	1.8	27
387	The Crohn's Disease Risk Factor IRGM Limits NLRP3 Inflammasome Activation by Impeding Its Assembly and by Mediating Its Selective Autophagy. <i>Molecular Cell</i> , 2019, 73, 429-445.e7.	4.5	145
388	Characterization of Pyrin Dephosphorylation and Inflammasome Activation in Macrophages as Triggered by the <i>Yersinia</i> Effectors YopE and YopT. <i>Infection and Immunity</i> , 2019, 87, .	1.0	28
389	Defying Death: The (W)hole Truth about the Fate of GSDMD Pores. <i>Immunity</i> , 2019, 50, 15-17.	6.6	22
390	DNA-stimulated cell death: implications for host defence, inflammatory diseases and cancer. <i>Nature Reviews Immunology</i> , 2019, 19, 141-153.	10.6	123
391	Pyroptosis versus necroptosis: similarities, differences, and crosstalk. <i>Cell Death and Differentiation</i> , 2019, 26, 99-114.	5.0	672
392	Pharmacological inhibition of the NLRP3 inflammasome reduces blood pressure, renal damage, and dysfunction in salt-sensitive hypertension. <i>Cardiovascular Research</i> , 2019, 115, 776-787.	1.8	165
393	What role does pyroptosis play in microbial infection?. <i>Journal of Cellular Physiology</i> , 2019, 234, 7885-7892.	2.0	59
394	To the edge of cell death and back. <i>FEBS Journal</i> , 2019, 286, 430-440.	2.2	67
395	Methodology of drug screening and target identification for new necroptosis inhibitors. <i>Journal of Pharmaceutical Analysis</i> , 2019, 9, 71-76.	2.4	10
396	Anthocyanin is involved in the activation of pyroptosis in oral squamous cell carcinoma. <i>Phytomedicine</i> , 2019, 56, 286-294.	2.3	78
397	Visualization of perforin/gasdermin/complement-formed pores in real cell membranes using atomic force microscopy. <i>Cellular and Molecular Immunology</i> , 2019, 16, 611-620.	4.8	35
398	Single-cell analysis of pyroptosis dynamics reveals conserved GSDMD-mediated subcellular events that precede plasma membrane rupture. <i>Cell Death and Differentiation</i> , 2019, 26, 146-161.	5.0	242

#	ARTICLE	IF	CITATIONS
399	Magnesium protects against sepsis by blocking gasdermin D N-terminal-induced pyroptosis. <i>Cell Death and Differentiation</i> , 2020, 27, 466-481.	5.0	63
400	Lipids that directly regulate innate immune signal transduction. <i>Innate Immunity</i> , 2020, 26, 4-14.	1.1	23
401	Pathophysiology of Cancer Cell Death. , 2020, , 74-83.e4.		2
402	Recent Insights on Inflammasomes, Gasdermin Pores, and Pyroptosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036392.	2.3	94
403	Kanglexin, a novel anthraquinone compound, protects against myocardial ischemic injury in mice by suppressing NLRP3 and pyroptosis. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 319-326.	2.8	57
404	Inflammasome signaling and regulation of interleukin-1 family cytokines. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	237
405	Emerging insights into molecular mechanisms underlying pyroptosis and functions of inflammasomes in diseases. <i>Journal of Cellular Physiology</i> , 2020, 235, 3207-3221.	2.0	139
406	NLRP3-dependent pyroptosis is required for HIV-1 gp120-induced neuropathology. <i>Cellular and Molecular Immunology</i> , 2020, 17, 283-299.	4.8	78
407	Mechanism and Regulation of Gasdermin-Mediated Cell Death. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036400.	2.3	100
408	Caspase-7 mediates caspase-1-induced apoptosis independently of Bid. <i>Microbiology and Immunology</i> , 2020, 64, 143-152.	0.7	26
409	Dioscin inhibits the growth of human osteosarcoma by inducing G2/M-phase arrest, apoptosis, and GSDME-dependent cell death in vitro and in vivo. <i>Journal of Cellular Physiology</i> , 2020, 235, 2911-2924.	2.0	51
410	The gasdermins, a protein family executing cell death and inflammation. <i>Nature Reviews Immunology</i> , 2020, 20, 143-157.	10.6	881
411	The Role of Innate Immunity in Regulating Rotavirus Replication, Pathogenesis, and Host Range Restriction and the Implications for Live Rotaviral Vaccine Development. , 2020, , 683-697.		2
412	Subtiligase-Catalyzed Peptide Ligation. <i>Chemical Reviews</i> , 2020, 120, 3127-3160.	23.0	81
413	Pyroptosis: A new frontier in cancer. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109595.	2.5	574
414	Mechanisms of Human Immunodeficiency Virus-Associated Lymphocyte Regulated Cell Death. <i>AIDS Research and Human Retroviruses</i> , 2020, 36, 101-115.	0.5	13
415	PLEK2 mediates metastasis and vascular invasion via the ubiquitin-dependent degradation of SHIP2 in non-small cell lung cancer. <i>International Journal of Cancer</i> , 2020, 146, 2563-2575.	2.3	38
416	Chrelin alleviates traumatic brain injury-induced acute lung injury through pyroptosis/NF- $\kappa$ B pathway. <i>International Immunopharmacology</i> , 2020, 79, 106175.	1.7	37



#	ARTICLE	IF	CITATIONS
417	Hydrogen inhibits endometrial cancer growth via a ROS/NLRP3/caspase-1/GSDMD-mediated pyroptotic pathway. <i>BMC Cancer</i> , 2020, 20, 28.	1.1	112
418	Microglial NLRP3 inflammasome activation in multiple sclerosis. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 119, 247-308.	1.0	48
419	Inflammasome-associated cell death: Pyroptosis, apoptosis, and physiological implications. <i>Microbiology and Immunology</i> , 2020, 64, 252-269.	0.7	148
420	Drug discovery and treatment paradigms in nonalcoholic steatohepatitis. <i>Endocrinology, Diabetes and Metabolism</i> , 2020, 3, e00105.	1.0	32
421	Inactivation of the Cytoprotective Major Vault Protein by Caspase-1 and -9 in Epithelial Cells during Apoptosis. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1335-1345.e10.	0.3	19
422	Hypertonic saccharide solution delays pyroptosis in murine macrophages regardless of the membrane binding of gasdermin D N-terminal. <i>European Journal of Immunology</i> , 2020, 50, 464-467.	1.6	6
423	Ultrastructural Characteristics of DHA-Induced Pyroptosis. <i>NeuroMolecular Medicine</i> , 2020, 22, 293-303.	1.8	33
424	Fiery Cell Death: Pyroptosis in the Central Nervous System. <i>Trends in Neurosciences</i> , 2020, 43, 55-73.	4.2	205
425	Beyond inflammasomes: emerging function of gasdermins during apoptosis and NETosis. <i>EMBO Journal</i> , 2020, 39, e103397.	3.5	62
426	Research progresses of molecular mechanism of pyroptosis and its related diseases. <i>Immunobiology</i> , 2020, 225, 151884.	0.8	58
427	Serum amyloid A exhibits pH dependent antibacterial action and contributes to host defense against <i>Staphylococcus aureus</i> cutaneous infection. <i>Journal of Biological Chemistry</i> , 2020, 295, 2570-2581.	1.6	16
428	A new research hot spot: The role of NLRP3 inflammasome activation, a key step in pyroptosis, in diabetes and diabetic complications. <i>Life Sciences</i> , 2020, 240, 117138.	2.0	117
429	Neutrophil Extracellular Traps in Host Defense. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a037028.	2.3	81
430	Nucleic Acid Sensors and Programmed Cell Death. <i>Journal of Molecular Biology</i> , 2020, 432, 552-568.	2.0	57
431	Andrade-Oliveira Salvianolic Acid B Modulates Caspase-1-Mediated Pyroptosis in Renal Ischemia-Reperfusion Injury via Nrf2 Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 541426.	1.6	40
432	Stoking the Fire: How Dying Cells Propagate Inflammatory Signalling through Extracellular Vesicle Trafficking. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7256.	1.8	12
433	Novel Programmed Cell Death as Therapeutic Targets in Age-Related Macular Degeneration?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7279.	1.8	32
434	A Rapid Caspase-11 Response Induced by IFN $\beta$ Priming Is Independent of Guanylate Binding Proteins. <i>IScience</i> , 2020, 23, 101612.	1.9	17

#	ARTICLE	IF	CITATIONS
435	Phospholipase C $\beta$ 1/calcium-dependent membranous localization of Gsdmd-N drives endothelial pyroptosis, contributing to lipopolysaccharide-induced fatal outcome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H1482-H1495.	1.5	19
436	Therapeutic potential of sulfur-containing natural products in inflammatory diseases. , 2020, 216, 107687.		27
437	BIX-01294-enhanced chemosensitivity in nasopharyngeal carcinoma depends on autophagy-induced pyroptosis. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 1131-1139.	0.9	9
438	IL-1 $\beta$ Is Essential for Oviduct Pathology during Genital Chlamydial Infection in Mice. <i>Journal of Immunology</i> , 2020, 205, 3037-3049.	0.4	9
439	HPV E7 inhibits cell pyroptosis by promoting TRIM21-mediated degradation and ubiquitination of the IFI16 inflammasome. <i>International Journal of Biological Sciences</i> , 2020, 16, 2924-2937.	2.6	53
440	Inhibition of NLRP3 inflammasome by MCC950 improves the metabolic outcome of islet transplantation by suppressing IL-1 $\beta$ and islet cellular death. <i>Scientific Reports</i> , 2020, 10, 17920.	1.6	23
441	NLRP12 in innate immunity and inflammation. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100887.	2.7	70
442	Emerging insights on the role of gasdermins in infection and inflammatory diseases. <i>Clinical and Translational Immunology</i> , 2020, 9, e1186.	1.7	24
443	Biological mechanisms and therapeutic relevance of the gasdermin family. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100890.	2.7	30
444	Daucosterol pretreatment ameliorates myocardial ischemia reperfusion injury via ROS-mediated NLRP3 inflammasome activation. <i>Tropical Journal of Pharmaceutical Research</i> , 2020, 19, 1031-1036.	0.2	1
445	N-acetylcysteine modulates non-esterified fatty acid-induced pyroptosis and inflammation in granulosa cells. <i>Molecular Immunology</i> , 2020, 127, 157-163.	1.0	18
446	Pyroptosis executioner gasdermin D contributes to host defense and promotes Th 1 immune response during <i>Neospora caninum</i> infection. <i>Veterinary Parasitology</i> , 2020, 286, 109254.	0.7	7
447	Targeting pyroptosis to regulate ischemic stroke injury: Molecular mechanisms and preclinical evidences. <i>Brain Research Bulletin</i> , 2020, 165, 146-160.	1.4	24
448	Emerging roles of neutrophil-borne S100A8/A9 in cardiovascular inflammation. <i>Pharmacological Research</i> , 2020, 161, 105212.	3.1	30
449	A Two-Cell Model for IL-1 $\beta$ Release Mediated by Death-Receptor Signaling. <i>Cell Reports</i> , 2020, 31, 107466.	2.9	21
450	Flipping the Switch from Inflammation to Cell Death. <i>Trends in Immunology</i> , 2020, 41, 648-651.	2.9	6
451	Wedelolactone facilitates Ser/Thr phosphorylation of NLRP3 dependent on PKA signalling to block inflammasome activation and pyroptosis. <i>Cell Proliferation</i> , 2020, 53, e12868.	2.4	50
452	The microbiome and cytosolic innate immune receptors. <i>Immunological Reviews</i> , 2020, 297, 207-224.	2.8	32

#	ARTICLE	IF	CITATIONS
453	CD147 Aggravated Inflammatory Bowel Disease by Triggering NF- $\kappa$ B-Mediated Pyroptosis. <i>BioMed Research International</i> , 2020, 2020, 1-8.	0.9	13
454	The role of lysosome in regulated necrosis. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1880-1903.	5.7	60
455	Cyclopentenone Prostaglandins and Structurally Related Oxidized Lipid Species Instigate and Share Distinct Pro- and Anti-inflammatory Pathways. <i>Cell Reports</i> , 2020, 30, 4399-4417.e7.	2.9	19
456	IFN regulatory Factor-1 induced macrophage pyroptosis by modulating m6A modification of circ_0029589 in patients with acute coronary syndrome. <i>International Immunopharmacology</i> , 2020, 86, 106800.	1.7	71
457	Harnessing the Complete Repertoire of Conventional Dendritic Cell Functions for Cancer Immunotherapy. <i>Pharmaceutics</i> , 2020, 12, 663.	2.0	24
458	Gallic Acid Alleviates Gouty Arthritis by Inhibiting NLRP3 Inflammasome Activation and Pyroptosis Through Enhancing Nrf2 Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 580593.	2.2	114
459	Alternative Pathways of IL-1 Activation, and Its Role in Health and Disease. <i>Frontiers in Immunology</i> , 2020, 11, 613170.	2.2	83
460	The Role of NLRP3 Inflammasome in Pneumococcal Infections. <i>Frontiers in Immunology</i> , 2020, 11, 614801.	2.2	18
461	A Secreted Reporter for Blood Monitoring of Pyroptotic Cell Death. <i>Analytical Chemistry</i> , 2020, 92, 15565-15572.	3.2	4
462	Inflammasomes within Hyperactive Murine Dendritic Cells Stimulate Long-Lived T Cell-Mediated Anti-tumor Immunity. <i>Cell Reports</i> , 2020, 33, 108381.	2.9	86
463	Not All Stressors Are Equal: Mechanism of Stressors on RPE Cell Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 591067.	1.8	29
464	Lipopolysaccharide Recognition in the Crossroads of TLR4 and Caspase-4/11 Mediated Inflammatory Pathways. <i>Frontiers in Immunology</i> , 2020, 11, 585146.	2.2	94
465	An Overview of Nrf2 Signaling Pathway and Its Role in Inflammation. <i>Molecules</i> , 2020, 25, 5474.	1.7	573
466	Shiga toxin suppresses noncanonical inflammasome responses to cytosolic LPS. <i>Science Immunology</i> , 2020, 5, .	5.6	17
467	Neuroprotective effects of natural cordycepin on LPS-induced Parkinson's disease through suppressing TLR4/NF- $\kappa$ B/NLRP3-mediated pyroptosis. <i>Journal of Functional Foods</i> , 2020, 75, 104274.	1.6	9
468	Suppression of NLRP3 Inflammasome, Pyroptosis, and Cell Death by NIM811 in Rotenone-Exposed Cells as an in vitro Model of Parkinson's Disease. <i>Neurodegenerative Diseases</i> , 2020, 20, 73-83.	0.8	22
469	Irgm2 and Gatec16 cooperatively dampen Gram-negative bacteria-induced caspase-1 response. <i>EMBO Reports</i> , 2020, 21, e50829.	2.0	45
470	Innate immune responses in RNA viral infection. <i>Frontiers of Medicine</i> , 2021, 15, 333-346.	1.5	20

#	ARTICLE	IF	CITATIONS
471	Coral gasdermin triggers pyroptosis. <i>Science Immunology</i> , 2020, 5, .	5.6	61
472	Recent insights into the regulatory networks of NLRP3 inflammasome activation. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	55
473	AIM2 Stimulation Impairs Reendothelialization and Promotes the Development of Atherosclerosis in Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 582482.	1.1	14
474	FGF2 and IL-1 $\beta$ "explorers of unconventional secretory pathways at a glance. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	30
475	Autophagy in the regulation of protein secretion in immune cells. , 2020, , 141-173.		0
476	An overview of the non-canonical inflammasome. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100924.	2.7	154
477	Radiation causes tissue damage by dysregulating inflammasome gasdermin D signaling in both host and transplanted cells. <i>PLoS Biology</i> , 2020, 18, e3000807.	2.6	35
478	Role of interleukin-1 and inflammasomes in oral disease. <i>Journal of Oral Biosciences</i> , 2020, 62, 242-248.	0.8	13
479	Therapeutic modulation of inflammasome pathways. <i>Immunological Reviews</i> , 2020, 297, 123-138.	2.8	135
480	Impaired NLRP3 inflammasome activation/pyroptosis leads to robust inflammatory cell death via caspase-8/RIPK3 during coronavirus infection. <i>Journal of Biological Chemistry</i> , 2020, 295, 14040-14052.	1.6	144
481	Gasdermin-D-dependent IL-1 $\beta$ release from microglia promotes protective immunity during chronic <i>Toxoplasma gondii</i> infection. <i>Nature Communications</i> , 2020, 11, 3687.	5.8	55
482	Molecular characterization of a fungal gasdermin-like protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18600-18607.	3.3	50
483	DNA methylation downregulated ZDHHC1 suppresses tumor growth by altering cellular metabolism and inducing oxidative/ER stress-mediated apoptosis and pyroptosis. <i>Theranostics</i> , 2020, 10, 9495-9511.	4.6	50
484	An Apoptotic Caspase Network Safeguards Cell Death Induction in Pyroptotic Macrophages. <i>Cell Reports</i> , 2020, 32, 107959.	2.9	53
485	Neutrophil Caspase-11 Is Essential to Defend against a Cytosol-Invasive Bacterium. <i>Cell Reports</i> , 2020, 32, 107967.	2.9	55
486	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
487	Colchicine Alleviates Cholesterol Crystal-Induced Endothelial Cell Pyroptosis through Activating AMPK/SIRT1 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-18.	1.9	55
488	NLRP12- and NLRC4-mediated corneal epithelial pyroptosis is driven by GSDMD cleavage accompanied by IL-33 processing in dry eye. <i>Ocular Surface</i> , 2020, 18, 783-794.	2.2	46

#	ARTICLE	IF	CITATIONS
489	Acute stress induces the rapid and transient induction of caspase-1, gasdermin D and release of constitutive IL-1 $\beta$ protein in dorsal hippocampus. <i>Brain, Behavior, and Immunity</i> , 2020, 90, 70-80.	2.0	9
490	Metabolic competition between host and pathogen dictates inflammasome responses to fungal infection. <i>PLoS Pathogens</i> , 2020, 16, e1008695.	2.1	28
491	The Role of Protein Tyrosine Phosphatases in Inflammasome Activation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5481.	1.8	11
492	Mycobacterial PPE13 activates inflammasome by interacting with the NATCH and LRR domains of NLRP3. <i>FASEB Journal</i> , 2020, 34, 12820-12833.	0.2	16
493	Electrophilic Nrf2 activators and itaconate inhibit inflammation at low dose and promote IL-1 $\beta$ production and inflammatory apoptosis at high dose. <i>Redox Biology</i> , 2020, 36, 101647.	3.9	37
494	AIM2 in health and disease: Inflammasome and beyond. <i>Immunological Reviews</i> , 2020, 297, 83-95.	2.8	107
495	Ferroptosis, necroptosis, and pyroptosis in anticancer immunity. <i>Journal of Hematology and Oncology</i> , 2020, 13, 110.	6.9	698
496	NLRP3 Inflammasomes in Parkinson's disease and their Regulation by Parkin. <i>Neuroscience</i> , 2020, 446, 323-334.	1.1	48
497	ACE2 in the Era of SARS-CoV-2: Controversies and Novel Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 588618.	1.6	77
498	USP19 suppresses inflammation and promotes M2-like macrophage polarization by manipulating NLRP3 function via autophagy. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2431-2442.	4.8	74
499	NLRP3 inflammasome mediates 2,5-hexanedione-induced neurotoxicity through regulation of macrophage infiltration in rats. <i>Chemico-Biological Interactions</i> , 2020, 330, 109232.	1.7	7
500	Tisp40 Induces Tubular Epithelial Cell GSDMD-Mediated Pyroptosis in Renal Ischemia-Reperfusion Injury via NF- $\kappa$ B Signaling. <i>Frontiers in Physiology</i> , 2020, 11, 906.	1.3	31
501	miRNA-141 Induced Pyroptosis in Intervertebral Disk Degeneration by Targeting ROS Generation and Activating TXNIP/NLRP3 Signaling in Nucleus Pulpous Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 871.	1.8	15
502	Roles of the pyroptosis signaling pathway in a sepsis-associated encephalopathy cell model. <i>Journal of International Medical Research</i> , 2020, 48, 030006052094976.	0.4	9
503	Melatonin Enhances the Therapeutic Effect of Plasma Exosomes Against Cerebral Ischemia-Induced Pyroptosis Through the TLR4/NF- $\kappa$ B Pathway. <i>Frontiers in Neuroscience</i> , 2020, 14, 848.	1.4	67
504	An Update on CARD Only Proteins (COPs) and PYD Only Proteins (POPs) as Inflammasome Regulators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6901.	1.8	14
505	The NLRP3 inflammasome: Mechanism of action, role in disease and therapies. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100889.	2.7	195
506	Preventing pores and inflammation. <i>Science</i> , 2020, 369, 1564-1565.	6.0	11

#	ARTICLE	IF	CITATIONS
507	Structure-tuned membrane active Ir-complexed oligoarginine overcomes cancer cell drug resistance and triggers immune responses in mice. <i>Chemical Science</i> , 2020, 11, 9126-9133.	3.7	18
508	H3 relaxin protects against calcium oxalate crystalâ€­induced renal inflammatory pyroptosis. <i>Cell Proliferation</i> , 2020, 53, e12902.	2.4	13
509	Lipid specificity of the immune effector perforin. <i>Faraday Discussions</i> , 2021, 232, 236-255.	1.6	7
510	Caspase-11 Non-canonical Inflammasomes in the Lung. <i>Frontiers in Immunology</i> , 2020, 11, 1895.	2.2	18
511	NaÃve CD8 T cell IFNÎ³ responses to a vacuolar antigen are regulated by an inflammasome-independent NLRP3 pathway and <i>Toxoplasma gondii</i> ROP5. <i>PLoS Pathogens</i> , 2020, 16, e1008327.	2.1	16
512	Loganin Attenuates High Glucose-Induced Schwann Cells Pyroptosis by Inhibiting ROS Generation and NLRP3 Inflammasome Activation. <i>Cells</i> , 2020, 9, 1948.	1.8	77
513	Human Autoinflammatory Diseases Mediated by NLRP3-, Pysin-, NLRP1-, and NLRC4-Inflammasome Dysregulation Updates on Diagnosis, Treatment, and the Respective Roles of IL-1 and IL-18. <i>Frontiers in Immunology</i> , 2020, 11, 1840.	2.2	67
514	IL-37 Gene Modification Enhances the Protective Effects of Mesenchymal Stromal Cells on Intestinal Ischemia Reperfusion Injury. <i>Stem Cells International</i> , 2020, 2020, 1-12.	1.2	12
515	Caspase-8 mediates inflammation and disease in rodent malaria. <i>Nature Communications</i> , 2020, 11, 4596.	5.8	11
516	PD-L1-mediated gasdermin C expression switches apoptosis to pyroptosis in cancer cells and facilitates tumour necrosis. <i>Nature Cell Biology</i> , 2020, 22, 1264-1275.	4.6	508
517	HDAC6 mediates an aggresome-like mechanism for NLRP3 and pyrin inflammasome activation. <i>Science</i> , 2020, 369, .	6.0	218
518	The NLRP3 Inflammasome and Its Role in T1DM. <i>Frontiers in Immunology</i> , 2020, 11, 1595.	2.2	22
519	Protection of MCC950 against Alzheimer's disease via inhibiting neuronal pyroptosis in SAMP8 mice. <i>Experimental Brain Research</i> , 2020, 238, 2603-2614.	0.7	34
520	Neural progenitor cell pyroptosis contributes to Zika virus-induced brain atrophy and represents a therapeutic target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23869-23878.	3.3	56
521	&lt;p&gt;NLRP3 Blockade Suppresses Pro-Inflammatory and Pro-Angiogenic Cytokine Secretion in Diabetic Retinopathy&lt;/p&gt;. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 3047-3058.	1.1	13
522	The Emerging Relevance of AIM2 in Liver Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6535.	1.8	21
523	Indirect regulation of HMGB1 release by gasdermin D. <i>Nature Communications</i> , 2020, 11, 4561.	5.8	118
524	Succination inactivates gasdermin D and blocks pyroptosis. <i>Science</i> , 2020, 369, 1633-1637.	6.0	341

#	ARTICLE	IF	CITATIONS
525	Plasma Membrane Pores Drive Inflammatory Cell Death. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 817.	1.8	35
526	Re-appraising the potential of naringin for natural, novel orthopedic biotherapies. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2020, 12, 1759720X2096613.	1.2	26
527	Vitamin D and the NLRP3 Inflammasome. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8462.	1.3	5
528	AIM2 inflammasome mediates hallmark neuropathological alterations and cognitive impairment in a mouse model of vascular dementia. <i>Molecular Psychiatry</i> , 2021, 26, 4544-4560.	4.1	71
530	To Kill But Not Be Killed: Controlling the Activity of Mammalian Pore-Forming Proteins. <i>Frontiers in Immunology</i> , 2020, 11, 601405.	2.2	15
531	NLRP3 Inflammasome: The Stormy Link Between Obesity and COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 570251.	2.2	65
532	The interrupted cross-talk of inflammatory and oxidative stress trajectories signifies the effect of artesunate against hepatic ischemia/reperfusion-induced inflammasomopathy. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115309.	1.3	20
533	The interplay of autophagy and non-apoptotic cell death pathways. <i>International Review of Cell and Molecular Biology</i> , 2020, 352, 159-187.	1.6	31
534	Should we stimulate or suppress immune responses in COVID-19? Cytokine and anti-cytokine interventions. <i>Autoimmunity Reviews</i> , 2020, 19, 102567.	2.5	521
535	GSDME-Dependent Incomplete Pyroptosis Permits Selective IL-1 $\beta$ Release under Caspase-1 Inhibition. <i>IScience</i> , 2020, 23, 101070.	1.9	67
536	FDA-approved disulfiram inhibits pyroptosis by blocking gasdermin D pore formation. <i>Nature Immunology</i> , 2020, 21, 736-745.	7.0	555
537	Salmonella enterica Infection of Murine and Human Enteroid-Derived Monolayers Elicits Differential Activation of Epithelium-Intrinsic Inflammasomes. <i>Infection and Immunity</i> , 2020, 88, .	1.0	29
538	The involvement of regulated cell death forms in modulating the bacterial and viral pathogenesis. <i>International Review of Cell and Molecular Biology</i> , 2020, 353, 211-253.	1.6	17
539	The Role of NLRP3 Inflammasome Activation in the Epithelial to Mesenchymal Transition Process During the Fibrosis. <i>Frontiers in Immunology</i> , 2020, 11, 883.	2.2	72
540	N-GSDMD trafficking to neutrophil organelles facilitates IL-1 $\beta$ release independently of plasma membrane pores and pyroptosis. <i>Nature Communications</i> , 2020, 11, 2212.	5.8	270
541	Plasma membrane damage causes NLRP3 activation and pyroptosis during <i>Mycobacterium tuberculosis</i> infection. <i>Nature Communications</i> , 2020, 11, 2270.	5.8	156
542	<i>Enterococcus faecalis</i> induces necroptosis in human osteoblastic MG63 cells through the RIPK3 / MLKL signalling pathway. <i>International Endodontic Journal</i> , 2020, 53, 1204-1215.	2.3	13
543	NLRP3 Inflammasome and Its Central Role in the Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-8.	1.9	49

#	ARTICLE	IF	CITATIONS
544	Platelets Fuel the Inflammasome Activation of Innate Immune Cells. <i>Cell Reports</i> , 2020, 31, 107615.	2.9	96
545	Pyroptosis Takes Aim at Neurodevelopment. <i>Developmental Cell</i> , 2020, 53, 498-499.	3.1	3
546	DDX3X Sits at the Crossroads of Liquid and Prionoid Phase Transitions Arbitrating Life and Death Cell Fate Decisions in Stressed Cells. <i>DNA and Cell Biology</i> , 2020, 39, 1091-1095.	0.9	12
547	NLRP3 inflammasome-dependent pyroptosis and apoptosis in hippocampus neurons mediates depressive-like behavior in diabetic mice. <i>Behavioural Brain Research</i> , 2020, 391, 112684.	1.2	38
548	Recognition of Intracellular Bacteria by Inflammasomes. , 0, , 287-297.		20
549	Gasdermin D in macrophages restrains colitis by controlling cGAS-mediated inflammation. <i>Science Advances</i> , 2020, 6, eaaz6717.	4.7	90
550	Cross talk between intracellular pathogens and cell death. <i>Immunological Reviews</i> , 2020, 297, 174-193.	2.8	44
551	Extended subsite profiling of the pyroptosis effector protein gasdermin D reveals a region recognized by inflammatory caspase-11. <i>Journal of Biological Chemistry</i> , 2020, 295, 11292-11302.	1.6	33
552	Jack of all trades inhibits inflammation (in sober people). <i>Nature Immunology</i> , 2020, 21, 718-719.	7.0	6
553	Inflammasomes. <i>Current Biology</i> , 2020, 30, R689-R694.	1.8	18
554	Resistosome and inflammasome: platforms mediating innate immunity. <i>Current Opinion in Plant Biology</i> , 2020, 56, 47-55.	3.5	30
555	The NLRP3 Inflammasome in Alcoholic and Nonalcoholic Steatohepatitis. <i>Seminars in Liver Disease</i> , 2020, 40, 298-306.	1.8	63
556	Shen-Ling-Bai-Zhu-San Improves Dextran Sodium Sulfate-Induced Colitis by Inhibiting Caspase-1/Caspase-11-Mediated Pyroptosis. <i>Frontiers in Pharmacology</i> , 2020, 11, 814.	1.6	32
557	Caspase-1 Engages Full-Length Gasdermin D through Two Distinct Interfaces That Mediate Caspase Recruitment and Substrate Cleavage. <i>Immunity</i> , 2020, 53, 106-114.e5.	6.6	106
558	MLKL trafficking and accumulation at the plasma membrane control the kinetics and threshold for necroptosis. <i>Nature Communications</i> , 2020, 11, 3151.	5.8	194
559	Lipids, inflammasomes, metabolism, and disease. <i>Immunological Reviews</i> , 2020, 297, 108-122.	2.8	60
560	Toll-Like Receptors Induce Signal-Specific Reprogramming of the Macrophage Lipidome. <i>Cell Metabolism</i> , 2020, 32, 128-143.e5.	7.2	78
561	Cell Death in the Origin and Treatment of Cancer. <i>Molecular Cell</i> , 2020, 78, 1045-1054.	4.5	182



#	ARTICLE	IF	CITATIONS
562	Inflammasome activation and regulation: toward a better understanding of complex mechanisms. <i>Cell Discovery</i> , 2020, 6, 36.	3.1	475
563	Function and Regulation of Noncanonical Caspase-4/5/11 Inflammasome. <i>Journal of Immunology</i> , 2020, 204, 3063-3069.	0.4	91
564	NLR4 biology in immunity and inflammation. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1117-1127.	1.5	20
565	A cellular endolysosome-modulating pore-forming protein from a toad is negatively regulated by its paralog under oxidizing conditions. <i>Journal of Biological Chemistry</i> , 2020, 295, 10293-10306.	1.6	16
566	Vying for the control of inflammasomes: The cytosolic frontier of enteric bacterial pathogen-host interactions. <i>Cellular Microbiology</i> , 2020, 22, e13184.	1.1	17
567	$\beta$ -Amyloid Clustering around ASC Fibrils Boosts Its Toxicity in Microglia. <i>Cell Reports</i> , 2020, 30, 3743-3754.e6.	2.9	109
568	Antiproliferation Activity and Mechanism of c9, t11, c15-CLNA and t9, t11, c15-CLNA from <i>Lactobacillus plantarum</i> ZS2058 on Colon Cancer Cells. <i>Molecules</i> , 2020, 25, 1225.	1.7	10
569	mtDNA Activates cGAS Signaling and Suppresses the YAP-Mediated Endothelial Cell Proliferation Program to Promote Inflammatory Injury. <i>Immunity</i> , 2020, 52, 475-486.e5.	6.6	217
570	Toward targeting inflammasomes: insights into their regulation and activation. <i>Cell Research</i> , 2020, 30, 315-327.	5.7	171
571	Nucleotides released from palmitate-activated murine macrophages attract neutrophils. <i>Journal of Biological Chemistry</i> , 2020, 295, 4902-4911.	1.6	21
572	cFLIP protects macrophages from LPS-induced pyroptosis via inhibition of complex II formation. <i>Science</i> , 2020, 367, 1379-1384.	6.0	98
573	Effects of Sulfonylureas on Periodontopathic Bacteria-Induced Inflammation. <i>Journal of Dental Research</i> , 2020, 99, 830-838.	2.5	28
574	IRF8 Regulates Gram-Negative Bacteria-Mediated NLRP3 Inflammasome Activation and Cell Death. <i>Journal of Immunology</i> , 2020, 204, 2514-2522.	0.4	19
575	AIM2 inflammasome contributes to brain injury and chronic post-stroke cognitive impairment in mice. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 765-776.	2.0	86
576	Inflammasome Activation in Response to Intracellular Protozoan Parasites. <i>Trends in Parasitology</i> , 2020, 36, 459-472.	1.5	27
577	Chemerin/CMKLR1 Axis Promotes Inflammation and Pyroptosis by Activating NLRP3 Inflammasome in Diabetic Cardiomyopathy Rat. <i>Frontiers in Physiology</i> , 2020, 11, 381.	1.3	49
578	Heat-Clearing Chinese Medicines in Lipopolysaccharide-Induced Inflammation. <i>Chinese Journal of Integrative Medicine</i> , 2020, 26, 552-559.	0.7	17
579	The power from within understanding the driving forces of neutrophil extracellular trap formation. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	26

#	ARTICLE	IF	CITATIONS
580	Novel HSP90-PI3K Dual Inhibitor Suppresses Melanoma Cell Proliferation by Interfering with HSP90-EGFR Interaction and Downstream Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1845.	1.8	21
581	Mechanism and regulation of pyroptosis-mediated in cancer cell death. <i>Chemico-Biological Interactions</i> , 2020, 323, 109052.	1.7	164
582	Extracellular glucose is crucially involved in the fate decision of LPS-stimulated RAW264.7 murine macrophage cells. <i>Scientific Reports</i> , 2020, 10, 10581.	1.6	35
583	Molecular actions of NLR immune receptors in plants and animals. <i>Science China Life Sciences</i> , 2020, 63, 1303-1316.	2.3	31
584	Contribution of Aberrant Toll Like Receptor Signaling to the Pathogenesis of Myelodysplastic Syndromes. <i>Frontiers in Immunology</i> , 2020, 11, 1236.	2.2	33
585	The Effect of Lycium barbarum Polysaccharides on Pyroptosis-Associated Amyloid $\beta$ 1-40 Oligomers-Induced Adult Retinal Pigment Epithelium 19 Cell Damage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4658.	1.8	23
586	Upregulation of miR-133a by adiponectin inhibits pyroptosis pathway and rescues acute aortic dissection. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 988-997.	0.9	24
587	The role of innate immunity in Alzheimer's disease. <i>Immunological Reviews</i> , 2020, 297, 225-246.	2.8	70
588	Immunological Significance of HMGB1 Post-Translational Modification and Redox Biology. <i>Frontiers in Immunology</i> , 2020, 11, 1189.	2.2	76
589	Gasdermin $\epsilon$ -independent release of interleukin $\beta$ 1 by living macrophages in response to mycoplasmal lipoproteins and lipopeptides. <i>Immunology</i> , 2020, 161, 114-122.	2.0	8
590	Cell death in the gut epithelium and implications for chronic inflammation. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 543-556.	8.2	179
591	Estradiol/GPER affects the integrity of mammary duct-like structures in vitro. <i>Scientific Reports</i> , 2020, 10, 1386.	1.6	11
592	Inflammasomes: A Molecular Link for Altered Immunoregulation and Inflammation Mediated Vascular Dysfunction in Preeclampsia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1406.	1.8	35
593	Mechanisms and Therapeutic Regulation of Pyroptosis in Inflammatory Diseases and Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1456.	1.8	116
594	Structural Mechanism for GSDMD Targeting by Autoprocessed Caspases in Pyroptosis. <i>Cell</i> , 2020, 180, 941-955.e20.	13.5	382
595	Salidroside Decreases Atherosclerosis Plaque Formation via Inhibiting Endothelial Cell Pyroptosis. <i>Inflammation</i> , 2020, 43, 433-440.	1.7	50
596	Cytotoxic distending toxin-induced release of interleukin $\beta$ 1 by human macrophages is dependent upon activation of glycogen synthase kinase $\beta$ 2, spleen tyrosine kinase (Syk) and the noncanonical inflammasome. <i>Cellular Microbiology</i> , 2020, 22, e13194.	1.1	13
597	The strategies of targeting the NLRP3 inflammasome to treat inflammatory diseases. <i>Advances in Immunology</i> , 2020, 145, 55-93.	1.1	44

#	ARTICLE	IF	CITATIONS
598	The rOXâ€stars of inflammation: links between the inflammasome and mitochondrial meltdown. <i>Clinical and Translational Immunology</i> , 2020, 9, e01109.	1.7	35
599	Immunotherapy in sepsis - brake or accelerate?. , 2020, 208, 107476.		77
600	Cardiac Damage in Anthracyclines Therapy: Focus on Oxidative Stress and Inflammation. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1081-1097.	2.5	40
601	Autophagy and Protein Secretion. <i>Journal of Molecular Biology</i> , 2020, 432, 2525-2545.	2.0	53
602	Neutrophil Extracellular Traps and Cardiovascular Diseases: An Update. <i>Cells</i> , 2020, 9, 231.	1.8	106
603	Mutant BRAF and MEK Inhibitors Regulate the Tumor Immune Microenvironment via Pyroptosis. <i>Cancer Discovery</i> , 2020, 10, 254-269.	7.7	275
604	Human polymorphisms in GSDMD alter the inflammatory response. <i>Journal of Biological Chemistry</i> , 2020, 295, 3228-3238.	1.6	24
605	Lysophosphatidylcholine Induces NLRP3 Inflammasome-Mediated Foam Cell Formation and Pyroptosis in Human Monocytes and Endothelial Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2927.	2.2	44
606	Neuroinflammation in CNS diseases: Molecular mechanisms and the therapeutic potential of plant derived bioactive molecules. <i>PharmaNutrition</i> , 2020, 11, 100176.	0.8	26
607	Knocking â€™em Dead: Pore-Forming Proteins in Immune Defense. <i>Annual Review of Immunology</i> , 2020, 38, 455-485.	9.5	67
608	Caspases in Cell Death, Inflammation, and Pyroptosis. <i>Annual Review of Immunology</i> , 2020, 38, 567-595.	9.5	470
609	Matrine and baicalin inhibit apoptosis induced by Panton-Valentine leukocidin of <i>Staphylococcus aureus</i> in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2020, 103, 2731-2742.	1.4	19
610	Caspaseâ€1 inhibition prevents neuronal death by targeting the canonical inflammasome pathway of pyroptosis in a murine model of cerebral ischemia. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 925-939.	1.9	60
611	Hepatitis B virus X protein promotes liver cell pyroptosis under oxidative stress through NLRP3 inflammasome activation. <i>Inflammation Research</i> , 2020, 69, 683-696.	1.6	61
612	Cold atmospheric plasma induces GSDME-dependent pyroptotic signaling pathway via ROS generation in tumor cells. <i>Cell Death and Disease</i> , 2020, 11, 295.	2.7	62
613	Gasdermin family: a promising therapeutic target for cancers and inflammation-driven diseases. <i>Journal of Cell Communication and Signaling</i> , 2020, 14, 293-301.	1.8	15
614	Oroxilin a promotes PGC-1â±/Mfn2 signaling to attenuate hepatocyte pyroptosis via blocking mitochondrial ROS in alcoholic liver disease. <i>Free Radical Biology and Medicine</i> , 2020, 153, 89-102.	1.3	53
615	Maternal high-fat diet exaggerates diet-induced insulin resistance in adult offspring by enhancing inflammasome activation through noncanonical pathway of caspase-11. <i>Molecular Metabolism</i> , 2020, 37, 100988.	3.0	14

#	ARTICLE	IF	CITATIONS
616	Outer Membrane Lipid Secretion and the Innate Immune Response to Gram-Negative Bacteria. <i>Infection and Immunity</i> , 2020, 88, .	1.0	56
617	NEK7: a potential therapy target for NLRP3-related diseases. <i>BioScience Trends</i> , 2020, 14, 74-82.	1.1	31
618	ASIC1a inhibits cell pyroptosis induced by acid-induced activation of rat hepatic stellate cells. <i>FEBS Open Bio</i> , 2020, 10, 1044-1055.	1.0	8
619	Role of pyroptosis in liver diseases. <i>International Immunopharmacology</i> , 2020, 84, 106489.	1.7	48
620	Beta-Asarone Alleviates Myocardial Ischemia-Induced Reperfusion Injury by Inhibiting Inflammatory Response and NLRP3 Inflammasome Mediated Pyroptosis. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1046-1051.	0.6	18
621	Linking indirect effects of cytomegalovirus in transplantation to modulation of monocyte innate immune function. <i>Science Advances</i> , 2020, 6, eaax9856.	4.7	20
622	Chemotherapy-induced pyroptosis is mediated by BAK/BAX-caspase-3-GSDME pathway and inhibited by 2-bromopalmitate. <i>Cell Death and Disease</i> , 2020, 11, 281.	2.7	149
623	Non-apoptotic cell death induced by opening the large conductance mechanosensitive channel MscL in hepatocellular carcinoma HepG2 cells. <i>Biomaterials</i> , 2020, 250, 120061.	5.7	6
624	VX765 Attenuates Pyroptosis and HMGB1/TLR4/NF- $\kappa$ B Pathways to Improve Functional Outcomes in TBI Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-21.	1.9	66
625	Mechanistic Differences in Cell Death Responses to Metal-Based Engineered Nanomaterials in Kupffer Cells and Hepatocytes. <i>Small</i> , 2020, 16, e2000528.	5.2	41
626	<i>Angiostrongylus cantonensis</i> activates inflammasomes in meningoencephalitic BALB/c mice. <i>Parasitology International</i> , 2020, 77, 102119.	0.6	6
627	Blocking GSDMD processing in innate immune cells but not in hepatocytes protects hepatic ischemia-reperfusion injury. <i>Cell Death and Disease</i> , 2020, 11, 244.	2.7	51
628	Metformin activates AMPK/SIRT1/NF- $\kappa$ B pathway and induces mitochondrial dysfunction to drive caspase3/GSDME-mediated cancer cell pyroptosis. <i>Cell Cycle</i> , 2020, 19, 1089-1104.	1.3	110
629	Gasdermins: pore-forming activities and beyond. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 467-474.	0.9	26
630	Granzyme A from cytotoxic lymphocytes cleaves GSDMB to trigger pyroptosis in target cells. <i>Science</i> , 2020, 368, .	6.0	716
631	NLRP12 collaborates with NLRP3 and NLRC4 to promote pyroptosis inducing ganglion cell death of acute glaucoma. <i>Molecular Neurodegeneration</i> , 2020, 15, 26.	4.4	84
632	Partners in Crime: The Interplay of Proteins and Membranes in Regulated Necrosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2412.	1.8	23
633	Resibufogenin suppresses growth and metastasis through inducing caspase-1-dependent pyroptosis via ROS-mediated NF- $\kappa$ B suppression in non-small cell lung cancer. <i>Anatomical Record</i> , 2021, 304, 302-312.	0.8	18

#	ARTICLE	IF	CITATIONS
634	Multiple roles of caspase-8 in cell death, inflammation, and innate immunity. <i>Journal of Leukocyte Biology</i> , 2021, 109, 121-141.	1.5	80
635	Increasing complexity of NLRP3 inflammasome regulation. <i>Journal of Leukocyte Biology</i> , 2021, 109, 561-571.	1.5	64
636	Silencing of Gasdermin D by siRNA-Loaded PEI-Chol Lipopolymers Potently Relieves Acute Gouty Arthritis through Inhibiting Pyroptosis. <i>Molecular Pharmaceutics</i> , 2021, 18, 667-678.	2.3	10
637	The Effect of <i>Porphyromonas gingivalis</i> Lipopolysaccharide on the Pyroptosis of Gingival Fibroblasts. <i>Inflammation</i> , 2021, 44, 846-858.	1.7	18
638	RIP-roaring inflammation: RIPK1 and RIPK3 driven NLRP3 inflammasome activation and autoinflammatory disease. <i>Seminars in Cell and Developmental Biology</i> , 2021, 109, 114-124.	2.3	41
639	Kuijjeling decoction suppresses NLRP3-Mediated pyroptosis to alleviate inflammation and experimental colitis in vivo and in vitro. <i>Journal of Ethnopharmacology</i> , 2021, 264, 113243.	2.0	40
640	Inflammatory Diseases and Vitamin Eâ€”What Do We Know and Where Do We Go?. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000097.	1.5	27
641	Scutellarin inhibits caspase-11 activation and pyroptosis in macrophages via regulating PKA signaling. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 112-126.	5.7	40
642	The neutrophil inflammasome. <i>Developmental and Comparative Immunology</i> , 2021, 115, 103874.	1.0	11
643	Research advance on cell imaging and cytotoxicity of different types of quantum Dots. <i>Journal of Applied Toxicology</i> , 2021, 41, 342-361.	1.4	36
644	Ivermectin, a potential anticancer drug derived from an antiparasitic drug. <i>Pharmacological Research</i> , 2021, 163, 105207.	3.1	54
645	Role of pyroptosis in spinal cord injury and its therapeutic implications. <i>Journal of Advanced Research</i> , 2021, 28, 97-109.	4.4	94
646	NET formation â€” mechanisms and how they relate to other cell death pathways. <i>FEBS Journal</i> , 2021, 288, 3334-3350.	2.2	40
647	Effects of mild moxibustion on intestinal microbiome and NLRP3 inflammasome in rats with 5-fluorouracil-induced intestinal mucositis. <i>Journal of Integrative Medicine</i> , 2021, 19, 144-157.	1.4	14
648	Pore-forming proteins: From defense factors to endogenous executors of cell death. <i>Chemistry and Physics of Lipids</i> , 2021, 234, 105026.	1.5	17
649	Immunological mechanisms underlying sterile inflammation in the pathogenesis of atherosclerosis: potential sites for intervention. <i>Expert Review of Clinical Immunology</i> , 2021, 17, 37-50.	1.3	6
650	Zika virus protease induces caspase-independent pyroptotic cell death by directly cleaving gasdermin D. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 666-671.	1.0	20
651	miR-133a-3p attenuates cardiomyocyte hypertrophy through inhibiting pyroptosis activation by targeting IKKÎ¼. <i>Acta Histochemica</i> , 2021, 123, 151653.	0.9	17

#	ARTICLE	IF	CITATIONS
652	Uric acid aggravates myocardial ischemiaâ€‘reperfusion injury via ROS/NLRP3 pyroptosis pathway. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 110990.	2.5	71
653	Simultaneous aerobic removal of phosphorus and nitrogen by a novel salt-tolerant phosphate-accumulating organism and the application potential in treatment of domestic sewage and aquaculture sewage. <i>Science of the Total Environment</i> , 2021, 758, 143580.	3.9	37
654	LncRNA H19 Regulates Lipopolysaccharide (LPS)-Induced Apoptosis and Inflammation of BV2 Microglia Cells Through Targeting miR-325-3p/NEUROD4 Axis. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 1256-1265.	1.1	11
655	Programmed Cell Death: Central Player in Fungal Infections. <i>Trends in Cell Biology</i> , 2021, 31, 179-196.	3.6	19
656	NOD-like receptor-mediated plant immunity: from structure to cell death. <i>Nature Reviews Immunology</i> , 2021, 21, 305-318.	10.6	103
657	Inflammasome activation in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L165-L178.	1.3	44
658	GSDMD, an executor of pyroptosis, is involved in IL-1 $\beta$ secretion in <i>Aspergillus fumigatus</i> keratitis. <i>Experimental Eye Research</i> , 2021, 202, 108375.	1.2	32
659	Human guanylate binding proteins: nanomachines orchestrating host defense. <i>FEBS Journal</i> , 2021, 288, 5826-5849.	2.2	42
660	The NLRP6 inflammasome. <i>Immunology</i> , 2021, 162, 281-289.	2.0	53
661	A novel nitroalkene vitamin E analogue inhibits the NLRP3 inflammasome and protects against inflammation and glucose intolerance triggered by obesity. <i>Redox Biology</i> , 2021, 39, 101833.	3.9	11
662	Strategies for Targeting the NLRP3 Inflammasome in the Clinical and Preclinical Space. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 101-122.	2.9	67
663	The fate of melanocyte: Mechanisms of cell death in vitiligo. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 256-267.	1.5	23
664	Intranasal anti-caspase-1 therapy preserves myelin and glucose metabolism in a model of progressive multiple sclerosis. <i>Glia</i> , 2021, 69, 216-229.	2.5	10
665	Cell Death Mediated by the Pyroptosis Pathway with the Aid of Nanotechnology: Prospects for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8018-8034.	7.2	141
666	Cell Death Mediated by the Pyroptosis Pathway with the Aid of Nanotechnology: Prospects for Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 8096-8112.	1.6	87
667	AFM imaging of pore forming proteins. <i>Methods in Enzymology</i> , 2021, 649, 149-188.	0.4	3
668	Switching from Apoptosis to Pyroptosis: Gasdermin-Elicited Inflammation and Antitumor Immunity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 426.	1.8	139
669	Exosome-inflammasome crosstalk and their roles in inflammatory responses. <i>Theranostics</i> , 2021, 11, 4436-4451.	4.6	83

#	ARTICLE	IF	CITATIONS
670	Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin. <i>Nature Immunology</i> , 2021, 22, 154-165.	7.0	73
671	Pore-forming toxins in infection and immunity. <i>Biochemical Society Transactions</i> , 2021, 49, 455-465.	1.6	22
672	The NLRP3 Inflammasome and Its Role in the Pathogenicity of Leukemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1271.	1.8	16
673	Emerging Role of the Inflammasome and Pyroptosis in Hypertension. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1064.	1.8	59
674	Recent advances in the development of activatable multifunctional probes for in vivo imaging of caspase-3. <i>Chinese Chemical Letters</i> , 2021, 32, 168-178.	4.8	64
675	Insight to Pyroptosis in Viral Infectious Diseases. <i>Health</i> , 2021, 13, 574-590.	0.1	4
676	Through DNA sensors and hidden mitochondrial effects of SARS-CoV-2. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2021, 27, e20200183.	0.8	5
677	The role of TRIM family proteins in autophagy, pyroptosis, and diabetes mellitus. <i>Cell Biology International</i> , 2021, 45, 913-926.	1.4	31
678	Advances in Understanding Activation and Function of the NLRC4 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1048.	1.8	64
680	Host Gasdermin D restrains systemic endotoxemia by capturing Proteobacteria in the colon of high-fat diet-feeding mice. <i>Gut Microbes</i> , 2021, 13, 1946369.	4.3	19
681	Circular RNA circ_0089153 acts as a competing endogenous RNA to regulate colorectal cancer development by the miR-198/SUMO-specific peptidase 1 (SENP1) axis. <i>Bioengineered</i> , 2021, 12, 5664-5678.	1.4	10
682	Protective Effect of Mitochondria-Targeted Antioxidants against Inflammatory Response to Lipopolysaccharide Challenge: A Review. <i>Pharmaceutics</i> , 2021, 13, 144.	2.0	25
683	Gasdermin D restricts Burkholderia cenocepacia infection in vitro and in vivo. <i>Scientific Reports</i> , 2021, 11, 855.	1.6	21
684	NINJ1 mediates plasma membrane rupture during lytic cell death. <i>Nature</i> , 2021, 591, 131-136.	13.7	352
685	Caspase-11-mediated Hepatocytic Pyroptosis Promotes the Progression of Nonalcoholic Steatohepatitis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 653-664.	2.3	21
686	Inflammasomes and the Maintenance of Hematopoietic Homeostasis: New Perspectives and Opportunities. <i>Molecules</i> , 2021, 26, 309.	1.7	13
687	Can NLRP3 inhibitors improve on dexamethasone for the treatment of COVID-19?. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021, 2, 100048.	1.7	6
688	Pyroptosis and inflammasomes in obstetrical and gynecological diseases. <i>Gynecological Endocrinology</i> , 2021, 37, 385-391.	0.7	17

#	ARTICLE	IF	CITATIONS
689	Inhibition of NLRP3 inflammasome activation and pyroptosis with the ethyl acetate fraction of <i>Bungeanum</i> ameliorated cognitive dysfunction in aged mice. <i>Food and Function</i> , 2021, 12, 10443-10458.	2.1	11
690	NLRP3 inflammasome in cardiovascular diseases: Pathophysiological and pharmacological implications. <i>Medicinal Research Reviews</i> , 2021, 41, 1890-1926.	5.0	28
691	Gasdermin D Protects Mouse Podocytes Against High-Glucose-Induced Inflammation and Apoptosis via the C-Jun N-Terminal Kinase (JNK) Pathway. <i>Medical Science Monitor</i> , 2021, 27, e928411.	0.5	9
692	The crosstalk between cardiomyocyte calcium and inflammasome signaling pathways in atrial fibrillation. <i>Pflügers Archiv European Journal of Physiology</i> , 2021, 473, 389-405.	1.3	18
693	Emerging Role for in. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1301, 59-79.	0.8	6
694	ZBP1 promotes LPS-induced cell death and IL-1 $\beta$ release via RHIM-mediated interactions with RIPK1. <i>Nature Communications</i> , 2021, 12, 86.	5.8	49
695	Innate immune evasion mediated by picornaviral 3C protease: Possible lessons for coronaviral 3C-like protease?. <i>Reviews in Medical Virology</i> , 2021, 31, 1-22.	3.9	18
696	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
698	Very long O-antigen chains of <i>Salmonella</i> Paratyphi A inhibit inflammasome activation and pyroptotic cell death. <i>Cellular Microbiology</i> , 2021, 23, e13306.	1.1	11
699	Ozone exposure promotes pyroptosis in rat lungs via the TLR2/4-NF- $\kappa$ B-NLRP3 signaling pathway. <i>Toxicology</i> , 2021, 450, 152668.	2.0	27
700	Crosstalk Between <i>Staphylococcus aureus</i> and Innate Immunity: Focus on Immunometabolism. <i>Frontiers in Immunology</i> , 2020, 11, 621750.	2.2	22
701	NLRP3 Inflammasome Inhibitors in Cardiovascular Diseases. <i>Molecules</i> , 2021, 26, 976.	1.7	33
702	A stable antimicrobial peptide with dual functions of treating and preventing citrus Huanglongbing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	66
704	Anti-NLRP3 Inflammasome Natural Compounds: An Update. <i>Biomedicines</i> , 2021, 9, 136.	1.4	12
705	NOD-like receptors in autoimmune diseases. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1742-1756.	2.8	46
706	Regulation, Activation and Function of Caspase-11 during Health and Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1506.	1.8	28
707	The Trinity of cGAS, TLR9, and ALRs Guardians of the Cellular Galaxy Against Host-Derived Self-DNA. <i>Frontiers in Immunology</i> , 2020, 11, 624597.	2.2	40
708	Caspase-Independent Regulated Necrosis Pathways as Potential Targets in Cancer Management. <i>Frontiers in Oncology</i> , 2020, 10, 616952.	1.3	20



#	ARTICLE	IF	CITATIONS
709	Nitrosonisoldipine is a selective inhibitor of inflammatory caspases and protects against pyroptosis and related septic shock. <i>European Journal of Immunology</i> , 2021, 51, 1234-1245.	1.6	8
710	Intracellular <i>Staphylococcus aureus</i> and host cell death pathways. <i>Cellular Microbiology</i> , 2021, 23, e13317.	1.1	31
711	Regulation of the NLRP3 Inflammasome by Post-Translational Modifications and Small Molecules. <i>Frontiers in Immunology</i> , 2020, 11, 618231.	2.2	42
712	Tetraarsenic hexoxide enhances generation of mitochondrial ROS to promote pyroptosis by inducing the activation of caspase-3/GSDME in triple-negative breast cancer cells. <i>Cell Death and Disease</i> , 2021, 12, 159.	2.7	91
713	Biological Functions of Gasdermins in Cancer: From Molecular Mechanisms to Therapeutic Potential. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 638710.	1.8	12
714	Cytosolic and mitochondrial Ca <sup>2+</sup> signaling in procoagulant platelets. <i>Platelets</i> , 2021, 32, 855-862.	1.1	14
715	Relevance of the Pyroptosis-Related Inflammasome Pathway in the Pathogenesis of Diabetic Kidney Disease. <i>Frontiers in Immunology</i> , 2021, 12, 603416.	2.2	40
716	Chemotherapeutic and targeted agents can modulate the tumor microenvironment and increase the efficacy of immune checkpoint blockades. <i>Molecular Cancer</i> , 2021, 20, 27.	7.9	54
717	Induction of macrophage pyroptosis-related factors by pathogenic <i>E. coli</i> high pathogenicity island (HPI) in Yunnan Saba pigs. <i>BMC Veterinary Research</i> , 2021, 17, 114.	0.7	10
718	Noncanonical Roles of Caspase-4 and Caspase-5 in Heme-Driven IL-1 $\beta$ Release and Cell Death. <i>Journal of Immunology</i> , 2021, 206, 1878-1889.	0.4	19
719	Role of pyroptosis in atherosclerosis and its therapeutic implications. <i>Journal of Cellular Physiology</i> , 2021, 236, 7159-7175.	2.0	31
720	Melatonin alleviates lipopolysaccharide-induced myocardial injury by inhibiting inflammation and pyroptosis in cardiomyocytes. <i>Annals of Translational Medicine</i> , 2021, 9, 413-413.	0.7	17
721	Proteomics reveals distinct mechanisms regulating the release of cytokines and alarmins during pyroptosis. <i>Cell Reports</i> , 2021, 34, 108826.	2.9	33
722	Itaconate confers tolerance to late NLRP3 inflammasome activation. <i>Cell Reports</i> , 2021, 34, 108756.	2.9	105
723	Compliant Substrates Enhance Macrophage Cytokine Release and NLRP3 Inflammasome Formation During Their Pro-Inflammatory Response. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639815.	1.8	26
724	Sweroside Protects Against Myocardial Ischemia-Induced Reperfusion Injury by Inhibiting Oxidative Stress and Pyroptosis Partially via Modulation of the Keap1/Nrf2 Axis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 650368.	1.1	17
725	Gasdermin D mediates the maturation and release of IL-1 $\beta$ downstream of inflammasomes. <i>Cell Reports</i> , 2021, 34, 108887.	2.9	67
726	NLRP3 inflammasome induces CD4 <sup>+</sup> T cell loss in chronically HIV-1-infected patients. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	59

#	ARTICLE	IF	CITATIONS
727	Guidelines for Regulated Cell Death Assays: A Systematic Summary, A Categorical Comparison, A Prospective. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634690.	1.8	61
728	Channelling inflammation: gasdermins in physiology and disease. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 384-405.	21.5	323
731	Cross Kingdom Immunity: The Role of Immune Receptors and Downstream Signaling in Animal and Plant Cell Death. <i>Frontiers in Immunology</i> , 2020, 11, 612452.	2.2	12
732	Pyroptosis is a critical immune-inflammatory response involved in atherosclerosis. <i>Pharmacological Research</i> , 2021, 165, 105447.	3.1	80
733	Pyroptosis: mechanisms and diseases. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 128.	7.1	821
734	Necroptosis, pyroptosis and apoptosis: an intricate game of cell death. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1106-1121.	4.8	733
735	Profile of Judy Lieberman. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2103317118.	3.3	0
736	Discovery of a caspase cleavage motif antibody reveals insights into noncanonical inflammasome function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	8
738	Mint3 depletion-mediated glycolytic and oxidative alterations promote pyroptosis and prevent the spread of <i>Listeria monocytogenes</i> infection in macrophages. <i>Cell Death and Disease</i> , 2021, 12, 404.	2.7	9
739	Hierarchical cell-type-specific functions of caspase-11 in LPS shock and antibacterial host defense. <i>Cell Reports</i> , 2021, 35, 109012.	2.9	19
740	Liver Fibrosis in Non-alcoholic Fatty Liver Disease: From Liver Biopsy to Non-invasive Biomarkers in Diagnosis and Treatment. <i>Frontiers in Medicine</i> , 2021, 8, 615978.	1.2	88
741	The Antisocial Network: Cross Talk Between Cell Death Programs in Host Defense. <i>Annual Review of Immunology</i> , 2021, 39, 77-101.	9.5	60
742	Lateral size of graphene oxide determines differential cellular uptake and cell death pathways in Kupffer cells, LSECs, and hepatocytes. <i>Nano Today</i> , 2021, 37, 101061.	6.2	46
743	Periodontal Inflammation-Triggered by Periodontal Ligament Stem Cell Pyroptosis Exacerbates Periodontitis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 663037.	1.8	45
744	P2X7 Receptor-Mediated Inflammation in Cardiovascular Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 654425.	1.6	19
745	Gasdermin E permits interleukin-1 beta release in distinct sublytic and pyroptotic phases. <i>Cell Reports</i> , 2021, 35, 108998.	2.9	72
746	Involvement of TFAP2A in the activation of GSDMD gene promoter in hyperoxia-induced ALL. <i>Experimental Cell Research</i> , 2021, 401, 112521.	1.2	5
747	Pyroptosis: A New Frontier in Kidney Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	1.9	17

#	ARTICLE	IF	CITATIONS
748	Mst1/2-ALK promotes NLRP3 inflammasome activation and cell apoptosis during <i>Listeria monocytogenes</i> infection. <i>Journal of Microbiology</i> , 2021, 59, 681-692.	1.3	8
749	Gasdermin D pore structure reveals preferential release of mature interleukin-1. <i>Nature</i> , 2021, 593, 607-611.	13.7	298
750	Posttranslational and Therapeutic Control of Gasdermin-Mediated Pyroptosis and Inflammation. <i>Frontiers in Immunology</i> , 2021, 12, 661162.	2.2	43
751	Interferons at the crossroad of cell death pathways during gastrointestinal inflammation and infection. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151491.	1.5	5
752	Regulated cell death in cisplatin-induced AKI: relevance of <i>myo</i> -inositol metabolism. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F578-F595.	1.3	23
753	Cell death as part of innate immunity: Cause or consequence?. <i>Immunology</i> , 2021, 163, 399-415.	2.0	19
755	Exenatide Attenuates Non-Alcoholic Steatohepatitis by Inhibiting the Pyroptosis Signaling Pathway. <i>Frontiers in Endocrinology</i> , 2021, 12, 663039.	1.5	7
758	lâ€™m Infected, Eat Me! Innate Immunity Mediated by Live, Infected Cells Signaling To Be Phagocytosed. <i>Infection and Immunity</i> , 2021, 89, .	1.0	12
759	TPLâ€™2 kinase induces phagosome acidification to promote macrophage killing of bacteria. <i>EMBO Journal</i> , 2021, 40, e106188.	3.5	17
760	Salvianolic Acids for Injection alleviates cerebral ischemia/reperfusion injury by switching M1/M2 phenotypes and inhibiting NLRP3 inflammasome/pyroptosis axis in microglia in vivo and in vitro. <i>Journal of Ethnopharmacology</i> , 2021, 270, 113776.	2.0	46
761	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
762	Curcumin protects against cognitive impairments in a rat model of chronic cerebral hypoperfusion combined with diabetes mellitus by suppressing neuroinflammation, apoptosis, and pyroptosis. <i>International Immunopharmacology</i> , 2021, 93, 107422.	1.7	34
763	GSDMD contributes to host defence against <i>Staphylococcus aureus</i> skin infection by suppressing the Cxcl1â€™Cxcr2 axis. <i>Veterinary Research</i> , 2021, 52, 71.	1.1	13
764	Optogenetic Control of Nonâ€™Apoptotic Cell Death. <i>Advanced Science</i> , 2021, 8, 2100424.	5.6	23
765	Gasdermin family proteins as a permeabilization factor of cell membrane in pyroptosis process. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2021, 75, 337-344.	0.1	2
766	An 8-Hydroxy-Quinoline Derivative Protects Against Lipopolysaccharide-Induced Lethality in Endotoxemia by Inhibiting HMGB1-Mediated Caspase-11 Signaling. <i>Frontiers in Pharmacology</i> , 2021, 12, 673818.	1.6	5
767	GSDMD-Mediated Cardiomyocyte Pyroptosis Promotes Myocardial I/R Injury. <i>Circulation Research</i> , 2021, 129, 383-396.	2.0	146
768	Role of P2X7 Receptors in Immune Responses During Neurodegeneration. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 662935.	1.8	24

#	ARTICLE	IF	CITATIONS
769	The ubiquitylation of IL-1 <sup>Î²</sup> limits its cleavage by caspase-1 and targets it for proteasomal degradation. <i>Nature Communications</i> , 2021, 12, 2713.	5.8	40
770	Nicorandil inhibits TLR4/MyD88/NF-Î²B/NLRP3 signaling pathway to reduce pyroptosis in rats with myocardial infarction. <i>Experimental Biology and Medicine</i> , 2021, 246, 1938-1947.	1.1	33
771	Bacterial outer membrane vesicles and host cell death signaling. <i>Trends in Microbiology</i> , 2021, 29, 1106-1116.	3.5	34
772	c-FLIP regulates pyroptosis in retinal neurons following oxygen-glucose deprivation/recovery via a GSDMD-mediated pathway. <i>Annals of Anatomy</i> , 2021, 235, 151672.	1.0	22
773	Protective effects of recombinant 53-kDa protein of <i>Trichinella spiralis</i> on acute lung injury in mice via alleviating lung pyroptosis by promoting M2 macrophage polarization. <i>Innate Immunity</i> , 2021, 27, 313-323.	1.1	8
774	Pyroptosis: a new paradigm of cell death for fighting against cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 153.	3.5	224
775	Pyroptosis in stroke-new insights into disease mechanisms and therapeutic strategies. <i>Journal of Physiology and Biochemistry</i> , 2021, 77, 511-529.	1.3	34
776	Monocarboxylate Transporter 4 Triggered Cell Pyroptosis to Aggravate Intestinal Inflammation in Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2021, 12, 644862.	2.2	12
777	Inflammasome Activation in Ankylosing Spondylitis Is Associated With Gut Dysbiosis. <i>Arthritis and Rheumatology</i> , 2021, 73, 1189-1199.	2.9	32
778	Pyroptosis in the Initiation and Progression of Atherosclerosis. <i>Frontiers in Pharmacology</i> , 2021, 12, 652963.	1.6	70
779	Small-molecule inhibition of APE1 induces apoptosis, pyroptosis, and necroptosis in non-small cell lung cancer. <i>Cell Death and Disease</i> , 2021, 12, 503.	2.7	53
780	Innate immune pathways and inflammation in hematopoietic aging, clonal hematopoiesis, and MDS. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	88
781	Pleural Fluid GSDMD Is a Novel Biomarker for the Early Differential Diagnosis of Pleural Effusion. <i>Frontiers in Microbiology</i> , 2021, 12, 620322.	1.5	5
782	Inflammasomes in Alveolar Bone Loss. <i>Frontiers in Immunology</i> , 2021, 12, 691013.	2.2	76
783	Role of the inflammasome, gasdermin D, and pyroptosis in non-alcoholic fatty liver disease. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021, 36, 2720-2727.	1.4	18
784	Differential Expression and Copy Number Variation of Gasdermin (GSDM) Family Members, Pore-Forming Proteins in Pyroptosis, in Normal and Malignant Serous Ovarian Tissue. <i>Inflammation</i> , 2021, 44, 2203-2216.	1.7	33
785	Emerging mechanisms of immunocoagulation in sepsis and septic shock. <i>Trends in Immunology</i> , 2021, 42, 508-522.	2.9	51
787	Auranofin prevents liver fibrosis by system Xc-mediated inhibition of NLRP3 inflammasome. <i>Communications Biology</i> , 2021, 4, 824.	2.0	18

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788	Seneca Valley Virus 3C Protease Induces Pyroptosis by Directly Cleaving Porcine Gasdermin D. <i>Journal of Immunology</i> , 2021, 207, 189-199.	0.4	28
789	Tumor necrosis factor-alpha and interferon-gamma induce inflammasome-mediated corneal endothelial cell death. <i>Experimental Eye Research</i> , 2021, 207, 108574.	1.2	24
790	Nanomedicine-induced pyroptosis for cancer therapy. <i>Nanomedicine</i> , 2021, 16, 1071-1074.	1.7	6
791	An evidence that SARS-Cov-2/COVID-19 spike protein (SP) damages hematopoietic stem/progenitor cells in the mechanism of pyroptosis in Nlrp3 inflammasome-dependent manner. <i>Leukemia</i> , 2021, 35, 3026-3029.	3.3	53
792	Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	1.9	34
793	Pyroptosis is involved in ovulation of zebrafish. <i>Cell Discovery</i> , 2021, 7, 40.	3.1	6
794	BMP-2 alleviates heart failure with type-2 diabetes mellitus and doxorubicin-induced AC16 cell injury by inhibiting NLRP3 inflammasome-mediated pyroptosis. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 897.	0.8	16
795	Inflammasomes in dendritic cells: Friend or foe?. <i>Immunology Letters</i> , 2021, 234, 16-32.	1.1	19
796	The N-Formyl Peptide Receptor 2 (FPR2) Agonist MR-39 Exhibits Anti-Inflammatory Activity in LPS-Stimulated Organotypic Hippocampal Cultures. <i>Cells</i> , 2021, 10, 1524.	1.8	13
798	The lysosomal Rag-Ragulator complex licenses RIPK1 and caspase-8 mediated pyroptosis by <i>Yersinia</i> . <i>Science</i> , 2021, 372, .	6.0	80
799	NF- $\kappa$ B/ROS and ERK pathways regulate NLRP3 inflammasome activation in <i>Listeria monocytogenes</i> infected BV2 microglia cells. <i>Journal of Microbiology</i> , 2021, 59, 771-781.	1.3	9
800	A Comparative Overview of the Intracellular Guardians of Plants and Animals: NLRs in Innate Immunity and Beyond. <i>Annual Review of Plant Biology</i> , 2021, 72, 155-184.	8.6	56
801	Targeting the gasdermin D as a strategy for ischemic stroke therapy. <i>Biochemical Pharmacology</i> , 2021, 188, 114585.	2.0	18
802	Pathogenic ubiquitination of GSDMB inhibits NK cell bactericidal functions. <i>Cell</i> , 2021, 184, 3178-3191.e18.	13.5	99
803	Punching Holes in Cellular Membranes: Biology and Evolution of Gasdermins. <i>Trends in Cell Biology</i> , 2021, 31, 500-513.	3.6	78
804	Development of an in vitro assay for the detection of polymerization of the pyrin domain of ASC. <i>BioTechniques</i> , 2021, 70, 350-354.	0.8	1
806	Emodin alleviates LPS-induced myocardial injury through inhibition of NLRP3 inflammasome activation. <i>Phytotherapy Research</i> , 2021, 35, 5203-5213.	2.8	47
807	Role of pyroptosis in cancer cells and clinical applications. <i>Biochimie</i> , 2021, 185, 78-86.	1.3	33

#	ARTICLE	IF	CITATIONS
808	Updating the NLRC4 Inflammasome: from Bacterial Infections to Autoimmunity and Cancer. <i>Frontiers in Immunology</i> , 2021, 12, 702527.	2.2	27
809	RIPK1 activates distinct gasdermins in macrophages and neutrophils upon pathogen blockade of innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	55
811	Gasdermins mediate cellular release of mitochondrial DNA during pyroptosis and apoptosis. <i>FASEB Journal</i> , 2021, 35, e21757.	0.2	44
812	Roles of Eicosanoids in Regulating Inflammation and Neutrophil Migration as an Innate Host Response to Bacterial Infections. <i>Infection and Immunity</i> , 2021, 89, e0009521.	1.0	35
813	CBD Promotes Oral Ulcer Healing via Inhibiting CMPK2-Mediated Inflammasome. <i>Journal of Dental Research</i> , 2022, 101, 206-215.	2.5	25
814	H7N9 virus infection triggers lethal cytokine storm by activating gasdermin E-mediated pyroptosis of lung alveolar epithelial cells. <i>National Science Review</i> , 2022, 9, nwab137.	4.6	45
815	Biological markers as predictors of postoperative neurocognitive disorders. , 2021, 20, 95-100.	0.0	0
816	Roles of Inflammasome in Cigarette Smoke-Related Diseases and Physiopathological Disorders: Mechanisms and Therapeutic Opportunities. <i>Frontiers in Immunology</i> , 2021, 12, 720049.	2.2	17
817	Structural biology of large molecular complexes - what we learned from the master. <i>Microscopy and Microanalysis</i> , 2021, 27, 1126-1126.	0.2	0
818	Dynamin-related protein 1 deficiency accelerates lipopolysaccharide-induced acute liver injury and inflammation in mice. <i>Communications Biology</i> , 2021, 4, 894.	2.0	9
819	Pyroptosis in Cancer: Friend or Foe?. <i>Cancers</i> , 2021, 13, 3620.	1.7	44
821	Mitochondrial dysfunction as a driver of NLRP3 inflammasome activation and its modulation through mitophagy for potential therapeutics. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 136, 106013.	1.2	65
822	Metformin inhibition of mitochondrial ATP and DNA synthesis abrogates NLRP3 inflammasome activation and pulmonary inflammation. <i>Immunity</i> , 2021, 54, 1463-1477.e11.	6.6	179
823	Prognostic and Immunological Role of Gasdermin E in Pan-Cancer Analysis. <i>Frontiers in Oncology</i> , 2021, 11, 706266.	1.3	12
824	Gasdermin D Mediates Inflammation-Induced Defects in Reverse Cholesterol Transport and Promotes Atherosclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 715211.	1.8	30
825	ATG9A protects the plasma membrane from programmed and incidental permeabilization. <i>Nature Cell Biology</i> , 2021, 23, 846-858.	4.6	43
826	A Novel Mechanism of Cannabidiol in Suppressing Hepatocellular Carcinoma by Inducing GSDME Dependent Pyroptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 697832.	1.8	40
827	N6-Methyladenosine Modification Opens a New Chapter in Circular RNA Biology. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 709299.	1.8	25

#	ARTICLE	IF	CITATIONS
828	Cell biology of inflammasome activation. <i>Trends in Cell Biology</i> , 2021, 31, 924-939.	3.6	92
829	The Role and Mechanism of Pyroptosis and Potential Therapeutic Targets in Sepsis: A Review. <i>Frontiers in Immunology</i> , 2021, 12, 711939.	2.2	78
830	Hirudin ameliorates diabetic nephropathy by inhibiting Gsdmd-mediated pyroptosis. <i>Cell Biology and Toxicology</i> , 2023, 39, 573-589.	2.4	25
831	Depression of Pyroptosis by Inhibiting Caspase-1 Activation Improves Neurological Outcomes of Kernicterus Model Rats. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2929-2939.	1.7	9
832	Calcitriol Alleviates Hyperosmotic Stress-Induced Corneal Epithelial Cell Damage via Inhibiting the NLRP3-ASC-Caspase-1-GSDMD Pyroptosis Pathway in Dry Eye Disease. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 2955-2962.	1.6	41
833	Effect of Curcumol on NOD-Like Receptor Thermoprotein Domain 3 Inflammasomes in Liver Fibrosis of Mice. <i>Chinese Journal of Integrative Medicine</i> , 2022, 28, 992-999.	0.7	5
835	Cell death in pancreatic cancer: from pathogenesis to therapy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 804-823.	8.2	156
836	NLRP3 inflammasome activation and cell death. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2114-2127.	4.8	484
837	Sacubitril/valsartan (LCZ696) reduces myocardial injury following myocardial infarction by inhibiting NLRP3-induced pyroptosis via the TAK1/JNK signaling pathway. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	16
838	Extracellular histones aggravate inflammation in ARDS by promoting alveolar macrophage pyroptosis. <i>Molecular Immunology</i> , 2021, 135, 53-61.	1.0	14
839	Pyroptosis, a New Breakthrough in Cancer Treatment. <i>Frontiers in Oncology</i> , 2021, 11, 698811.	1.3	29
840	<i>Mycobacterium tuberculosis</i> inhibits the NLRP3 inflammasome activation via its phosphokinase PknF. <i>PLoS Pathogens</i> , 2021, 17, e1009712.	2.1	31
841	Bone marrow mesenchymal stem cell-derived exosomes attenuate cerebral ischemia-reperfusion injury-induced neuroinflammation and pyroptosis by modulating microglia M1/M2 phenotypes. <i>Experimental Neurology</i> , 2021, 341, 113700.	2.0	140
842	Crosstalk Between Dysfunctional Mitochondria and Inflammation in Glaucomatous Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2021, 12, 699623.	1.6	47
843	NLRP3 inflammasomes that induce antitumor immunity. <i>Trends in Immunology</i> , 2021, 42, 575-589.	2.9	29
844	Dimethyl itaconate inhibits LPS-induced microglia inflammation and inflammasome-mediated pyroptosis via inducing autophagy and regulating the Nrf2/HO-1 signaling pathway. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	16
845	Pyroptosis and Redox Balance in Kidney Diseases. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 40-60.	2.5	26
846	Galectin-3 promotes noncanonical inflammasome activation through intracellular binding to lipopolysaccharide glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	23

#	ARTICLE	IF	CITATIONS
847	Contribution of Toll-Like Receptors and the NLRP3 Inflammasome in Rheumatoid Arthritis Pathophysiology. <i>ImmunoTargets and Therapy</i> , 2021, Volume 10, 285-298.	2.7	15
848	Genetic Prioritization, Therapeutic Repositioning and Cross-Disease Comparisons Reveal Inflammatory Targets Tractable for Kidney Stone Disease. <i>Frontiers in Immunology</i> , 2021, 12, 687291.	2.2	6
850	Gout-associated monosodium urate crystal-induced necrosis is independent of NLRP3 activity but can be suppressed by combined inhibitors for multiple signaling pathways. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 1324-1336.	2.8	28
851	Exosomes derived from hypoxic bone marrow mesenchymal stem cells rescue OGD-induced injury in neural cells by suppressing NLRP3 inflammasome-mediated pyroptosis. <i>Experimental Cell Research</i> , 2021, 405, 112635.	1.2	24
852	Actions of the NLRP3 and NLRC4 inflammasomes overlap in bone resorption. <i>FASEB Journal</i> , 2021, 35, e21837.	0.2	6
853	Benzimidazoles induce concurrent apoptosis and pyroptosis of human glioblastoma cells via arresting cell cycle. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 194-208.	2.8	31
854	Inflammasome Signaling: A Novel Paradigm of Hub Platform in Innate Immunity for Cancer Immunology and Immunotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 710110.	2.2	4
855	A genome-wide screen uncovers multiple roles for mitochondrial nucleoside diphosphate kinase D in inflammasome activation. <i>Science Signaling</i> , 2021, 14, .	1.6	13
859	Targeting NLRP3 Inflammasome in Translational Treatment of Nervous System Diseases: An Update. <i>Frontiers in Pharmacology</i> , 2021, 12, 707696.	1.6	25
860	Promise of the NLRP3 Inflammasome Inhibitors in In Vivo Disease Models. <i>Molecules</i> , 2021, 26, 4996.	1.7	15
861	Hydrogen Peroxide Is Crucial for NLRP3 Inflammasome-Mediated IL-1 $\beta$ Production and Cell Death in Pneumococcal Infections of Bronchial Epithelial Cells. <i>Journal of Innate Immunity</i> , 2022, 14, 192-206.	1.8	22
862	Osteopontin N-Terminal Function in an Abdominal Aortic Aneurysm From Apolipoprotein E-Deficient Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 681790.	1.8	7
863	SARS-CoV-2 nucleocapsid suppresses host pyroptosis by blocking Gasdermin D cleavage. <i>EMBO Journal</i> , 2021, 40, e108249.	3.5	76
864	Non-coding RNAs in necroptosis, pyroptosis and ferroptosis in cancer metastasis. <i>Cell Death Discovery</i> , 2021, 7, 210.	2.0	39
865	Control of gasdermin D oligomerization and pyroptosis by the Ragulator-Rag-mTORC1 pathway. <i>Cell</i> , 2021, 184, 4495-4511.e19.	13.5	201
866	Inflammasome activation at the crux of severe COVID-19. <i>Nature Reviews Immunology</i> , 2021, 21, 694-703.	10.6	210
867	Nanocellulose Length Determines the Differential Cytotoxic Effects and Inflammatory Responses in Macrophages and Hepatocytes. <i>Small</i> , 2021, 17, e2102545.	5.2	27
868	Pyroptosis, metabolism, and tumor immune microenvironment. <i>Clinical and Translational Medicine</i> , 2021, 11, e492.	1.7	119



#	ARTICLE	IF	CITATIONS
869	Control of mitosis, inflammation, and cell motility by limited leakage of lysosomes. <i>Current Opinion in Cell Biology</i> , 2021, 71, 29-37.	2.6	25
870	Chronic low-grade inflammation in heart failure with preserved ejection fraction. <i>Aging Cell</i> , 2021, 20, e13453.	3.0	33
871	The conformational stability of pro-apoptotic BAX is dictated by discrete residues of the protein core. <i>Nature Communications</i> , 2021, 12, 4932.	5.8	13
872	Monitoring the Activation of Caspases-1/3/4 for Describing the Pyroptosis Pathways of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 12022-12031.	3.2	9
873	Dual function of a turbid inflammatory caspase in mediating both canonical and non-canonical inflammasome activation. <i>Developmental and Comparative Immunology</i> , 2021, 121, 104078.	1.0	21
874	Blockade of macrophage-associated programmed death 1 inhibits the pyroptosis signalling pathway in sepsis. <i>Inflammation Research</i> , 2021, 70, 993-1004.	1.6	10
875	Etiological Value of Sterile Inflammation in Preeclampsia: Is It a Non-Infectious Pregnancy Complication?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 694298.	1.8	22
876	Beyond pore formation: reorganization of the plasma membrane induced by pore-forming proteins. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6229-6249.	2.4	13
877	Macrophage HIF-2 $\alpha$ suppresses NLRP3 inflammasome activation and alleviates insulin resistance. <i>Cell Reports</i> , 2021, 36, 109607.	2.9	32
878	Evolution-inspired redesign of the LPS receptor caspase-4 into an interleukin-1 $\beta$ converting enzyme. <i>Science Immunology</i> , 2021, 6, .	5.6	20
879	Differential inflammatory responses of the native left and right ventricle associated with donor heart preservation. <i>Physiological Reports</i> , 2021, 9, e15004.	0.7	4
880	Isorientin Attenuated the Pyroptotic Hepatocyte Damage Induced by Benzo[a]pyrene via ROS/NF- $\kappa$ B/NLRP3/Caspase-1 Signaling Pathway. <i>Antioxidants</i> , 2021, 10, 1275.	2.2	20
881	A Bibliometric Analysis of Pyroptosis From 2001 to 2021. <i>Frontiers in Immunology</i> , 2021, 12, 731933.	2.2	117
882	Melatonin Exerts Cardioprotective Effects by Inhibiting NLRP3 Inflammasome-Induced Pyroptosis in Mice following Myocardial Infarction. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	1.9	10
883	Pyroptosis in Steatohepatitis and Liver Diseases. <i>Journal of Molecular Biology</i> , 2022, 434, 167271.	2.0	17
884	Pyroptosis: A promising therapeutic target for noninfectious diseases. <i>Cell Proliferation</i> , 2021, 54, e13137.	2.4	22
885	Intermittent fasting attenuates inflammasome-associated apoptotic and pyroptotic death in the brain following chronic hypoperfusion. <i>Neurochemistry International</i> , 2021, 148, 105109.	1.9	8
886	Regulation of Lytic and Non-Lytic Functions of Gasdermin Pores. <i>Journal of Molecular Biology</i> , 2022, 434, 167246.	2.0	39

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887	Mechanisms and Consequences of Noncanonical Inflammasome-Mediated Pyroptosis. <i>Journal of Molecular Biology</i> , 2022, 434, 167245.	2.0	21
888	Imaging Approaches to Monitor Inflammasome Activation. <i>Journal of Molecular Biology</i> , 2022, 434, 167251.	2.0	11
889	Molecular mechanisms and functions of pyroptosis in inflammation and antitumor immunity. <i>Molecular Cell</i> , 2021, 81, 4579-4590.	4.5	127
890	Lipid regulation of NLRP3 inflammasome activity through organelle stress. <i>Trends in Immunology</i> , 2021, 42, 807-823.	2.9	19
891	Internalization of the Membrane Attack Complex Triggers NLRP3 Inflammasome Activation and IL-1 $\beta$ Secretion in Human Macrophages. <i>Frontiers in Immunology</i> , 2021, 12, 720655.	2.2	14
892	Regulation of pyroptosis in cardiovascular pathologies: Role of noncoding RNAs. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 220-236.	2.3	25
893	VX $\alpha$ 765 ameliorates renal injury and fibrosis in diabetes by regulating caspase-1-mediated pyroptosis and inflammation. <i>Journal of Diabetes Investigation</i> , 2022, 13, 22-33.	1.1	31
894	Multi-facets of neutrophil extracellular trap in infectious diseases: Moving beyond immunity. <i>Microbial Pathogenesis</i> , 2021, 158, 105066.	1.3	19
895	TRIM21 regulates pyroptotic cell death by promoting Gasdermin D oligomerization. <i>Cell Death and Differentiation</i> , 2022, 29, 439-450.	5.0	33
896	Therapeutic targeting of the inflammasome in myeloid malignancies. <i>Blood Cancer Journal</i> , 2021, 11, 152.	2.8	17
897	Gasdermin D in pyroptosis. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2768-2782.	5.7	274
899	Discovery of Novel Pterostilbene-Based Derivatives as Potent and Orally Active NLRP3 Inflammasome Inhibitors with Inflammatory Activity for Colitis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13633-13657.	2.9	22
900	NLRP3 Inflammasome: A Starring Role in Amyloid- $\beta$ and Tau-Driven Pathological Events in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 939-961.	1.2	55
901	Inappropriate use of antibiotics exacerbates inflammation through OMV-induced pyroptosis in MDR <i>Klebsiella pneumoniae</i> infection. <i>Cell Reports</i> , 2021, 36, 109750.	2.9	25
902	PANoptosis in Viral Infection: The Missing Puzzle Piece in the Cell Death Field. <i>Journal of Molecular Biology</i> , 2022, 434, 167249.	2.0	43
903	Role of acetylation in doxorubicin-induced cardiotoxicity. <i>Redox Biology</i> , 2021, 46, 102089.	3.9	59
904	<i>Porphyromonas gingivalis</i> lipopolysaccharide affects oral epithelial connections via pyroptosis. <i>Journal of Dental Sciences</i> , 2021, 16, 1255-1263.	1.2	18
905	The NLRP3 inflammasome and COVID-19: Activation, pathogenesis and therapeutic strategies. <i>Cytokine and Growth Factor Reviews</i> , 2021, 61, 2-15.	3.2	91

#	ARTICLE	IF	CITATIONS
906	Urotensin II induces activation of NLRP3 and pyroptosis through calcineurin in cardiomyocytes. <i>Peptides</i> , 2021, 144, 170609.	1.2	3
907	The emerging roles of absent in melanoma 2 (AIM2) inflammasome in central nervous system disorders. <i>Neurochemistry International</i> , 2021, 149, 105122.	1.9	15
908	Volume-activated chloride channels contribute to lipopolysaccharide plus nigericin-induced pyroptosis in bone marrow-derived macrophages. <i>Biochemical Pharmacology</i> , 2021, 193, 114791.	2.0	6
909	Role of pyroptosis in cancer and its therapeutic regulation. <i>European Journal of Pharmacology</i> , 2021, 910, 174444.	1.7	29
910	AIM2 inflammasome mediates apoptotic and pyroptotic death in the cerebellum following chronic hyperperfusion. <i>Experimental Neurology</i> , 2021, 346, 113856.	2.0	12
911	STAT3 <sup>Δ2</sup> disrupted mitochondrial electron transport chain enhances chemosensitivity by inducing pyroptosis in esophageal squamous cell carcinoma. <i>Cancer Letters</i> , 2021, 522, 171-183.	3.2	26
912	Tanshinone IIA alleviates NLRP3 inflammasome-mediated pyroptosis in Mycobacterium tuberculosis-(H37Ra-) infected macrophages by inhibiting endoplasmic reticulum stress. <i>Journal of Ethnopharmacology</i> , 2022, 282, 114595.	2.0	22
913	Lighting a Fire: Can We Harness Pyroptosis to Ignite Antitumor Immunity?. <i>Cancer Immunology Research</i> , 2021, 9, 2-7.	1.6	64
914	The Roles of Inflammasomes in Host Defense against Mycobacterium tuberculosis. <i>Pathogens</i> , 2021, 10, 120.	1.2	10
915	Modes of Regulated Cell Death in Cancer. <i>Cancer Discovery</i> , 2021, 11, 245-265.	7.7	186
916	Detection of Bacterial Membrane Vesicles by NOD-Like Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1005.	1.8	25
917	Effect and mechanism of phospholipid scramblase 4 (PLSCR4) on lipopolysaccharide (LPS)-induced injury to human pulmonary microvascular endothelial cells. <i>Annals of Translational Medicine</i> , 2021, 9, 159-159.	0.7	12
918	The nature of the immune response in microbial-associated and sterile intraamniotic inflammation. , 2021, , 207-237.		1
919	Selective Host Cell Death by Staphylococcus aureus: A Strategy for Bacterial Persistence. <i>Frontiers in Immunology</i> , 2020, 11, 621733.	2.2	21
920	NLRP3 Inflammasome and Its Critical Role in Gynecological Disorders and Obstetrical Complications. <i>Frontiers in Immunology</i> , 2020, 11, 555826.	2.2	16
921	Pyroptosis in Osteoblasts: A Novel Hypothesis Underlying the Pathogenesis of Osteoporosis. <i>Frontiers in Endocrinology</i> , 2020, 11, 548812.	1.5	27
922	Protein disulfide isomerase-mediated S-nitrosylation facilitates surface expression of P2X7 receptor following status epilepticus. <i>Journal of Neuroinflammation</i> , 2021, 18, 14.	3.1	10
923	Apoptosis in infectious diseases as a mechanism of immune evasion and survival. <i>Advances in Protein Chemistry and Structural Biology</i> , 2021, 125, 1-24.	1.0	16

#	ARTICLE	IF	CITATIONS
924	Cell death pathways: intricate connections and disease implications. <i>EMBO Journal</i> , 2021, 40, e106700.	3.5	149
925	Activation mechanisms of inflammasomes by bacterial toxins. <i>Cellular Microbiology</i> , 2021, 23, e13309.	1.1	16
926	BIX-01294 enhanced chemotherapy effect in gastric cancer by inducing GSDME-mediated pyroptosis. <i>Cell Biology International</i> , 2020, 44, 1890-1899.	1.4	32
927	CD73 alleviates GSDMD-mediated microglia pyroptosis in spinal cord injury through PI3K/AKT/Foxo1 signaling. <i>Clinical and Translational Medicine</i> , 2021, 11, e269.	1.7	113
928	Structural Insight of Gasdermin Family Driving Pyroptotic Cell Death. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1172, 189-205.	0.8	45
929	The NLRP3 Inflammasome Renders Cell Death Pro-inflammatory. <i>Journal of Molecular Biology</i> , 2018, 430, 133-141.	2.0	87
930	The NLRP3 inhibitor Mcc950 attenuates acute allograft damage in rat kidney transplants. <i>Transplant Immunology</i> , 2020, 61, 101293.	0.6	10
931	FDA-approved disulfiram inhibits pyroptosis by blocking gasdermin D pore formation. , 0, .		1
932	Piceatannol inhibits pyroptosis and suppresses oxLDL-induced lipid storage in macrophages by regulating miR-200a/Nrf2/GSDMD axis. <i>Bioscience Reports</i> , 2020, 40, .	1.1	13
933	Reactive oxygen species triggers unconventional secretion of antioxidants and Acb1. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	19
934	Inflammasome signaling in human placental trophoblasts regulates immune defense against <i>Listeria monocytogenes</i> infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	36
935	<i>Cronobacter sakazakii</i> induces necrotizing enterocolitis by regulating NLRP3 inflammasome expression via TLR4. <i>Journal of Medical Microbiology</i> , 2020, 69, 748-758.	0.7	22
946	Hallmarks of NLRP3 inflammasome activation are observed in organotypic hippocampal slice culture. <i>Immunology</i> , 2020, 161, 39-52.	2.0	12
947	<i>Shigella sonnei</i> O-Antigen Inhibits Internalization, Vacuole Escape, and Inflammasome Activation. <i>MBio</i> , 2019, 10, .	1.8	22
948	Caspase-11-mediated enteric neuronal pyroptosis underlies Western diet-induced colonic dysmotility. <i>Journal of Clinical Investigation</i> , 2020, 130, 3621-3636.	3.9	45
949	Epithelial-derived gasdermin D mediates nonlytic IL-1 $\beta$ release during experimental colitis. <i>Journal of Clinical Investigation</i> , 2020, 130, 4218-4234.	3.9	76
950	Caspase-11-mediated endothelial pyroptosis underlies endotoxemia-induced lung injury. <i>Journal of Clinical Investigation</i> , 2017, 127, 4124-4135.	3.9	298
951	Dynamic imaging reveals surface exposure of virulent <i>Leishmania</i> amastigotes during pyroptosis of infected macrophages. <i>Journal of Cell Science</i> , 2020, 134, .	1.2	7

#	ARTICLE	IF	CITATIONS
952	Carbon Monoxide Inhibits the Expression of Proteins Associated with Intestinal Mucosal Pyroptosis in a Rat Model of Sepsis Induced by Cecal Ligation and Puncture. <i>Medical Science Monitor</i> , 2020, 26, e920668.	0.5	7
953	Right place, right time: localisation and assembly of the NLRP3 inflammasome. <i>F1000Research</i> , 2019, 8, 676.	0.8	37
954	Inflammasome. <i>Materials and Methods</i> , 0, 10, .	0.0	3
955	The hallmarks of COVID-19 disease. <i>PLoS Pathogens</i> , 2020, 16, e1008536.	2.1	342
956	Pore formation in regulated cell death. <i>EMBO Journal</i> , 2020, 39, e105753.	3.5	114
957	Dynamamin-related Irgm proteins modulate LPS-induced caspase-11 activation and septic shock. <i>EMBO Reports</i> , 2020, 21, e50830.	2.0	41
958	A novel 3 <sup>â€™</sup> ,5 <sup>â€™</sup> -diprenylated chalcone induces concurrent apoptosis and GSDME-dependent pyroptosis through activating PKC $\beta$ /JNK signal in prostate cancer. <i>Aging</i> , 2020, 12, 9103-9124.	1.4	30
959	NLRP3 gene silencing ameliorates phosgene-induced acute lung injury in rats by inhibiting NLRP3 inflammasome and proinflammatory factors, but not anti-inflammatory factors. <i>Journal of Toxicological Sciences</i> , 2020, 45, 625-637.	0.7	13
960	Cell Pyroptosis, a Potential Pathogenic Mechanism of 2019-nCoV Infection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	115
961	Dimerization and auto-processing induce caspase-11 protease activation within the non-canonical inflammasome. <i>Life Science Alliance</i> , 2018, 1, e201800237.	1.3	56
962	DPP8/DPP9 inhibition elicits canonical Nlrp1b inflammasome hallmarks in murine macrophages. <i>Life Science Alliance</i> , 2019, 2, e201900313.	1.3	47
963	Caspase-1 cleaves Bid to release mitochondrial SMAC and drive secondary necrosis in the absence of GSDMD. <i>Life Science Alliance</i> , 2020, 3, e202000735.	1.3	64
964	Metabolic inflammation as an instigator of fibrosis during non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2020, 26, 1993-2011.	1.4	67
965	Multiple cell death modalities and their key features (Review). <i>World Academy of Sciences Journal</i> , 0, , .	0.4	59
966	Caspase-4: A Therapeutic Target for Peptic Ulcer Disease. <i>ImmunoHorizons</i> , 2020, 4, 627-633.	0.8	6
967	Prions, prionoid complexes and amyloids: the bad, the good and something in between. <i>Swiss Medical Weekly</i> , 2017, 147, w14424.	0.8	12
968	Cell Death and Liver Disease. <i>Gut and Liver</i> , 2020, 14, 20-29.	1.4	45
969	Single-cell dynamics of pannexin-1-facilitated programmed ATP loss during apoptosis. <i>ELife</i> , 2020, 9, .	2.8	34

#	ARTICLE	IF	CITATIONS
970	Disulfiram-loaded lactoferrin nanoparticles for treating inflammatory diseases. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1913-1920.	2.8	33
972	Modulation of Adaptive Immunity and Viral Infections by Ion Channels. <i>Frontiers in Physiology</i> , 2021, 12, 736681.	1.3	8
973	Differential Expression of LOXL1-AS1 in Coronary Heart Disease and its Regulatory Mechanism in ox-LDL-Induced Human Coronary Artery Endothelial Cell Pyroptosis. <i>Cardiovascular Drugs and Therapy</i> , 2023, 37, 75-87.	1.3	3
974	GLIPR1 Protects Against Cigarette Smoke-Induced Airway Inflammation via PLAU/EGFR Signaling. <i>International Journal of COPD</i> , 2021, Volume 16, 2817-2832.	0.9	6
975	Ragulator-Rag and ROS TORment gasdermin D pore formation. <i>Trends in Immunology</i> , 2021, 42, 948-950.	2.9	8
976	The IFN $\alpha$ -inducible GTPase IRGB10 regulates viral replication and inflammasome activation during influenza A virus infection in mice. <i>European Journal of Immunology</i> , 2022, 52, 285-296.	1.6	1
977	Impact of intracellular innate immune receptors on immunometabolism. <i>Cellular and Molecular Immunology</i> , 2022, 19, 337-351.	4.8	61
978	How activated NLRs induce anti-microbial defenses in plants. <i>Biochemical Society Transactions</i> , 2021, 49, 2177-2188.	1.6	14
979	FLT4/VEGFR3 activates AMPK to coordinate glycometabolic reprogramming with autophagy and inflammasome activation for bacterial elimination. <i>Autophagy</i> , 2022, 18, 1385-1400.	4.3	18
980	NLRP3 inflammasome activation triggers gasdermin D $\alpha$ -independent inflammation. <i>Science Immunology</i> , 2021, 6, eabj3859.	5.6	100
981	Advances in the Relationship Between Pyroptosis and Diabetic Neuropathy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 753660.	1.8	6
983	Oligomycin A Induces Apoptosis $\rightarrow$ Pyroptosis Switch against Melanoma with Sensitized Immunotherapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
984	Pyroptosis in the Retinal Neurovascular Unit: New Insights Into Diabetic Retinopathy. <i>Frontiers in Immunology</i> , 2021, 12, 763092.	2.2	22
985	Mechanistic Insights into Gasdermin Pore Formation and Regulation in Pyroptosis. <i>Journal of Molecular Biology</i> , 2022, 434, 167297.	2.0	31
986	DNA Damage-Induced Inflammatory Microenvironment and Adult Stem Cell Response. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729136.	1.8	34
987	The Antitriple Negative Breast cancer Efficacy of <i>Spatholobus suberectus</i> Dunn on ROS-Induced Noncanonical Inflammasome Pyroptotic Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 1-17.	1.9	22
988	A Novel Pyroptosis-Related Gene Signature for Early-Stage Lung Squamous Cell Carcinoma. <i>International Journal of General Medicine</i> , 2021, Volume 14, 6439-6453.	0.8	6
989	Genetic targeting of Card19 is linked to disrupted NINJ1 expression, impaired cell lysis, and increased susceptibility to <i>Yersinia</i> infection. <i>PLoS Pathogens</i> , 2021, 17, e1009967.	2.1	25

#	ARTICLE	IF	CITATIONS
990	Dysregulated Microbiota-Driven Gasdermin D Activation Promotes Colitis Development by Mediating IL-18 Release. <i>Frontiers in Immunology</i> , 2021, 12, 750841.	2.2	26
992	Mechanisms of Kidney Cell Pyroptosis in Chronic Kidney Disease and the Effects of Traditional Chinese Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-10.	0.5	13
993	Exploration of Pattern Recognition Receptor Agonists as Candidate Adjuvants. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 745016.	1.8	36
994	Delivery of Ultrasmall Nanoparticles to the Cytosolic Compartment of Pyroptotic J774A.1 Macrophages via GSDMD <sup>Nterm</sup> Membrane Pores. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50823-50835.	4.0	7
995	Pyroptosis in Kidney Disease. <i>Journal of Molecular Biology</i> , 2022, 434, 167290.	2.0	23
996	Mitochondria as a Cellular Hub in Infection and Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11338.	1.8	98
997	Hamster organotypic modeling of SARS-CoV-2 lung and brainstem infection. <i>Nature Communications</i> , 2021, 12, 5809.	5.8	37
998	Cardioprotective activity of ethyl acetate extract of <i>Cinnamomi Ramulus</i> against myocardial ischemia/reperfusion injury in rats via inhibiting NLRP3 inflammasome activation and pyroptosis. <i>Phytomedicine</i> , 2021, 93, 153798.	2.3	30
999	The multifaceted roles of gasdermins in cancer biology and oncologic therapies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188635.	3.3	29
1002	Gasdermin D Exerts Anti-Inflammatory Effects by Promoting Neutrophil Death. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1004	Basic research on macrophages in periodontitis. <i>Journal of Japanese Society of Periodontology</i> , 2018, 60, 167-172.	0.1	0
1005	Diagnostic accuracy of the Smoothed Cepstral Peak Prominence (CPPS) in the detection of dysphonia in the Spanish language. <i>Loquens</i> , 2019, 6, 058.	0.1	3
1011	Pyroptosis in liver disease. <i>Revista Espanola De Enfermedades Digestivas</i> , 2020, 113, 280-285.	0.1	3
1012	Role of the Inflammasome in Cancer. , 2020, , 263-289.		0
1014	Mechanisms of innate immunity in pathogenesis of psoriasis: approaches to targeted therapy. <i>Medical Immunology (Russia)</i> , 2020, 22, 449-458.	0.1	0
1016	Piroptozise Biyokimyasal Yaklaşım ve Kanserdeki Rolü. <i>Arsiv Kaynak Tarama Dergisi</i> , 2020, 29, 181-189.	0.1	0
1017	Approaching Neutrophil Pyroptosis. <i>Journal of Molecular Biology</i> , 2022, 434, 167335.	2.0	19
1018	Circular RNA circLIFR regulates the proliferation, migration, invasion and apoptosis of human vascular smooth muscle cells via the miR-1299/KDR axis. <i>Metabolic Brain Disease</i> , 2022, 37, 253-263.	1.4	13

#	ARTICLE	IF	CITATIONS
1019	From Immune Dysregulations to Therapeutic Perspectives in Myelodysplastic Syndromes: A Review. <i>Diagnostics</i> , 2021, 11, 1982.	1.3	6
1020	Gasdermin D mediates host cell death but not interleukin-1 $\beta$ secretion in Mycobacterium tuberculosis-infected macrophages. <i>Cell Death Discovery</i> , 2021, 7, 327.	2.0	8
1023	Avoidance of the NLRP3 Inflammasome by the Stealth Pathogen, <i>Coxiella burnetii</i> . <i>Veterinary Pathology</i> , 2021, 58, 624-642.	0.8	4
1024	Downregulating Gasdermin D Reduces Severe Acute Pancreatitis Associated with Pyroptosis. <i>Medical Science Monitor</i> , 2021, 27, e927968.	0.5	10
1025	Pathobionts: mechanisms of survival, expansion, and interaction with host with a focus on <i>Clostridioides difficile</i> . <i>Gut Microbes</i> , 2021, 13, 1979882.	4.3	26
1026	Cell death. , 2022, , 47-64.		1
1027	Inflammasomes: Role in Disease Pathogenesis and Therapeutic Potential. <i>UÄenye Zapiski Kazanskogo Gosudarstvennogo Universiteta: Seriya Estestvennye Nauki</i> , 2020, 162, 80-111.	0.1	2
1029	Inflammasome-Dependent Peroxiredoxin 2 Secretion Induces the Classical Complement Pathway Activation. <i>Immune Network</i> , 2021, 21, e36.	1.6	7
1033	The Pathogenesis of COVID-19 Myocardial Injury: An Immunohistochemical Study of Postmortem Biopsies. <i>Frontiers in Immunology</i> , 2021, 12, 748417.	2.2	20
1034	GSDMD Mediates LPS-Induced Septic Myocardial Dysfunction by Regulating ROS-dependent NLRP3 Inflammasome Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 779432.	1.8	36
1035	Identification of the Pyroptosis-Related Gene Signature for Overall Survival Prediction in Patients With Hepatocellular Carcinoma. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 742994.	1.8	14
1036	Pyroptosis: A possible link between obesity-related inflammation and inflammatory diseases. <i>Journal of Cellular Physiology</i> , 2022, 237, 1245-1265.	2.0	13
1037	Jinmaitong Alleviates Diabetic Neuropathic Pain Through Modulation of NLRP3 Inflammasome and Gasdermin D in Dorsal Root Ganglia of Diabetic Rats. <i>Frontiers in Pharmacology</i> , 2021, 12, 679188.	1.6	8
1038	An Epigenetic Insight into NLRP3 Inflammasome Activation in Inflammation-Related Processes. <i>Biomedicines</i> , 2021, 9, 1614.	1.4	20
1039	Intracellular Staphylococcus aureus triggers pyroptosis and contributes to inhibition of healing due to perforin-2 suppression. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	27
1040	HMGB1 plays an important role in pyroptosis induced blood brain barrier breakdown in diabetes-associated cognitive decline. <i>Journal of Neuroimmunology</i> , 2022, 362, 577763.	1.1	14
1041	ASC Speck Formation after Inflammasome Activation in Primary Human Keratinocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	1.9	9
1042	Macrophages regulates the transition of pericyte to peritoneal fibrosis through the GSDMD/IL-1 $\beta$ axis. <i>International Immunopharmacology</i> , 2021, 101, 108323.	1.7	2



#	ARTICLE	IF	CITATIONS
1043	Monitoring Inflammasome Priming and Activation in Response to <i>Candida albicans</i> . <i>Current Protocols in Microbiology</i> , 2020, 59, e124.	6.5	2
1044	The contrasting roles of inflammasomes in cancer. <i>American Journal of Cancer Research</i> , 2018, 8, 566-583.	1.4	30
1045	Research progress of the relationship between pyroptosis and disease. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 2213-2219.	0.0	18
1046	Inflammasomes in Colitis and Colorectal Cancer: Mechanism of Action and Therapies. <i>Yale Journal of Biology and Medicine</i> , 2019, 92, 481-498.	0.2	14
1047	Gasdermins in Apoptosis: New players in an Old Game. <i>Yale Journal of Biology and Medicine</i> , 2019, 92, 603-617.	0.2	8
1048	Detection of proteins associated with the pyroptosis signaling pathway in breast cancer tissues and their significance. <i>International Journal of Clinical and Experimental Pathology</i> , 2020, 13, 1408-1414.	0.5	6
1049	Effect of sericin on the p38MAPK signaling pathway and NLRP3 inflammasome in the kidney of type 2 diabetic rats. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 267.	0.8	1
1051	Gasdermin D expression and clinicopathologic outcome in primary osteosarcoma patients. <i>International Journal of Clinical and Experimental Pathology</i> , 2020, 13, 3149-3157.	0.5	4
1052	Effects of usEPs on Plasma Membranesâ€™ Pores, Channels, and Repair. <i>Series in Bioengineering</i> , 2021, , 33-75.	0.3	1
1053	Lithium promotes recovery after spinal cord injury. <i>Neural Regeneration Research</i> , 2022, 17, 1324.	1.6	15
1054	Contribution of Mitochondrial Dysfunction Combined with NLRP3 Inflammasome Activation in Selected Neurodegenerative Diseases. <i>Pharmaceuticals</i> , 2021, 14, 1221.	1.7	13
1055	Retention of the NLRP3 Inflammasomeâ€™ Primed Neutrophils in the Bone Marrow Is Essential for Myocardial Infarctionâ€™ Induced Granulopoiesis. <i>Circulation</i> , 2022, 145, 31-44.	1.6	26
1056	Honokiol alleviates LPS-induced acute lung injury by inhibiting NLRP3 inflammasome-mediated pyroptosis via Nrf2 activation in vitro and in vivo. <i>Chinese Medicine</i> , 2021, 16, 127.	1.6	40
1057	The Role of NLRP3 Inflammasome in Lupus Nephritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12476.	1.8	27
1058	Apoptosis, Pyroptosis, and Necroptosisâ€™ Oh My! The Many Ways a Cell Can Die. <i>Journal of Molecular Biology</i> , 2022, 434, 167378.	2.0	113
1059	Metallothionein 3-Zinc Axis Suppresses Caspase-11 Inflammasome Activation and Impairs Antibacterial Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 755961.	2.2	5
1060	The immunology of sepsis. <i>Immunity</i> , 2021, 54, 2450-2464.	6.6	263
1061	The Roles of Gasdermin D in Coronavirus Infection and Evasion. <i>Frontiers in Microbiology</i> , 2021, 12, 784009.	1.5	4

#	ARTICLE	IF	CITATIONS
1062	Epithelial-Mesenchymal Transition Induces GSDME Transcriptional Activation for Inflammatory Pyroptosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 781365.	1.8	8
1063	Molecular and structural aspects of gasdermin family pores and insights into gasdermin-elicited programmed cell death. <i>Biochemical Society Transactions</i> , 2021, 49, 2697-2710.	1.6	15
1064	Gasdermin D inhibition confers antineutrophil-mediated cardioprotection in acute myocardial infarction. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	46
1065	Suppression of the caspase-1/GSDMD-mediated pyroptotic signaling pathway through dexamethasone alleviates corneal alkali injuries. <i>Experimental Eye Research</i> , 2022, 214, 108858.	1.2	4
1066	Mini-Review: GSDME-Mediated Pyroptosis in Diabetic Nephropathy. <i>Frontiers in Pharmacology</i> , 2021, 12, 780790.	1.6	16
1067	Inflammasome-mediated GSDMD activation facilitates escape of <i>Candida albicans</i> from macrophages. <i>Nature Communications</i> , 2021, 12, 6699.	5.8	36
1068	The Versatile Gasdermin Family: Their Function and Roles in Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 751533.	2.2	70
1069	Keeping the host alive – lessons from obligate intracellular bacterial pathogens. <i>Pathogens and Disease</i> , 2021, 79, .	0.8	11
1070	Pyroptosis: A New Insight Into Eye Disease Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 797110.	1.6	23
1071	miRNAs as Therapeutic Tools in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13012.	1.8	22
1072	VX765 alleviates dextran sulfate sodium-induced colitis in mice by suppressing caspase-1-mediated pyroptosis. <i>International Immunopharmacology</i> , 2022, 102, 108405.	1.7	13
1073	Fine particulate matter exposure exacerbated nasal mucosal damage in allergic rhinitis mice via NLRP3 mediated pyroptosis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112998.	2.9	16
1074	GSDMD-mediated pyroptosis: a critical mechanism of diabetic nephropathy. <i>Expert Reviews in Molecular Medicine</i> , 2021, 23, e23.	1.6	37
1075	usEP Induce Regulated Cell Death Mechanisms. <i>Series in Bioengineering</i> , 2021, , 227-263.	0.3	0
1076	Anti- $\beta$ 2-GPI $\beta$ 2-GPI Induces Neutrophil Pyroptosis and Thereby Enhances ICAM-1 and IL-8 Expression in Endothelial Cells. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1077	A Short Prokaryotic Argonaute Activates Membrane Effector to Confer Antiviral Defense. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1078	METTL14 suppresses pyroptosis and diabetic cardiomyopathy by downregulating TINCR lncRNA. <i>Cell Death and Disease</i> , 2022, 13, 38.	2.7	56
1079	Disulfiram inhibits IL-1 $\beta$ secretion and inflammatory cells recruitment in <i>Aspergillus fumigatus</i> keratitis. <i>International Immunopharmacology</i> , 2022, 102, 108401.	1.7	8

#	ARTICLE	IF	CITATIONS
1080	Translating known drivers of COVID-19 disease severity to design better SARS-CoV-2 vaccines. <i>Current Opinion in Virology</i> , 2022, 52, 89-101.	2.6	2
1081	Human fetal membrane IL-1 $\beta$ production in response to bacterial components is mediated by uric-acid induced NLRP3 inflammasome activation. <i>Journal of Reproductive Immunology</i> , 2022, 149, 103457.	0.8	7
1082	Network modeling-based identification of the switching targets between pyroptosis and secondary pyroptosis. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111724.	2.5	9
1083	Targeting regulated cell death in aortic aneurysm and dissection therapy. <i>Pharmacological Research</i> , 2022, 176, 106048.	3.1	20
1084	Radiosensitivity of colorectal cancer and radiation-induced gut damages are regulated by gasdermin E. <i>Cancer Letters</i> , 2022, 529, 1-10.	3.2	40
1085	Paeoniflorin inhibits pyroptosis of nucleus pulposus cells in an acidic environment and alleviates the degeneration of the intervertebral disc in rats. <i>Cellular Signalling</i> , 2022, 91, 110243.	1.7	2
1086	Ars moriendi: Proteases as sculptors of cellular suicide. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119191.	1.9	1
1087	Targeting the NLRP3 inflammasome in cardiovascular diseases. , 2022, 236, 108053.		71
1088	Effect of sericin on the p38MAPK signaling pathway and NLRP3 inflammasome in the kidney of type 2 diabetic rats. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	5
1089	Autophagy, Pyroptosis, and Ferroptosis: New Regulatory Mechanisms for Atherosclerosis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 809955.	1.8	45
1090	The One That Got Away: How Macrophage-Derived IL-1 $\beta$ Escapes the Mycolactone-Dependent Sec61 Blockade in Buruli Ulcer. <i>Frontiers in Immunology</i> , 2021, 12, 788146.	2.2	6
1091	Pyroptosis, a target for cancer treatment?. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 1-13.	2.2	11
1092	Structures and functions of the membrane-damaging pore-forming proteins. <i>Advances in Protein Chemistry and Structural Biology</i> , 2022, 128, 241-288.	1.0	4
1093	Pyroptosis and Its Regulation in Diabetic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2021, 12, 791848.	1.3	14
1094	Cytoplasmic Sensing in Innate Immunity. , 2022, , .		0
1095	Molecular Events Involved in Influenza A Virus-Induced Cell Death. <i>Frontiers in Microbiology</i> , 2021, 12, 797789.	1.5	8
1096	PP1A prevents ROS $\alpha$ -induced pyroptosis by inhibiting MAPK/caspase $\beta$ in mouse adipose tissue. <i>FEBS Journal</i> , 2022, 289, 3839-3853.	2.2	1
1097	A Pyroptosis-Related Gene Prognostic Index Correlated with Survival and Immune Microenvironment in Glioma. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 17-32.	1.6	15

#	ARTICLE	IF	CITATIONS
1098	Inverse regulation of GSDMD and GSDME gene expression during LPS-induced pyroptosis in RAW264.7 macrophage cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 14-21.	2.2	14
1099	Cleavage-Mediated Regulation of Myd88 Signaling by Inflammasome-Activated Caspase-1. <i>Frontiers in Immunology</i> , 2021, 12, 790258.	2.2	3
1100	Coronaviruses Nsp5 Antagonizes Porcine Gasdermin D-Mediated Pyroptosis by Cleaving Pore-Forming p30 Fragment. <i>MBio</i> , 2022, 13, e0273921.	1.8	28
1101	Hypobaric hypoxia triggers pyroptosis in the retina via NLRP3 inflammasome activation. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2022, 27, 222-232.	2.2	7
1102	Lysoptosis is an evolutionarily conserved cell death pathway moderated by intracellular serpins. <i>Communications Biology</i> , 2022, 5, 47.	2.0	7
1103	<i>Trichomonas vaginalis</i> : Lifestyle, Cellular Biology, and Molecular Mechanisms of Pathogenesis. <i>Microbiology Monographs</i> , 2022, , 541-617.	0.3	4
1104	Exosomes Regulate NLRP3 Inflammasome in Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 802509.	1.8	11
1105	Pathway network of pyroptosis and its potential inhibitors in acute kidney injury. <i>Pharmacological Research</i> , 2022, 175, 106033.	3.1	31
1106	The role of inflammasomes in vascular cognitive impairment. <i>Molecular Neurodegeneration</i> , 2022, 17, 4.	4.4	43
1107	Cholesterol Induces Pyroptosis and Matrix Degradation via mSREBP1-Driven Endoplasmic Reticulum Stress in Intervertebral Disc Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 803132.	1.8	22
1108	Targeting Cell Death: Pyroptosis, Ferroptosis, Apoptosis and Necroptosis in Osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 789948.	1.8	87
1109	Microglia in CNS infections: insights from <i>Toxoplasma gondii</i> and other pathogens. <i>Trends in Parasitology</i> , 2022, 38, 217-229.	1.5	11
1110	SARS-CoV-2 and the Host Cell: A Tale of Interactions. <i>Frontiers in Virology</i> , 2022, 1, .	0.7	37
1111	Evolutionary analyses of the gasdermin family suggest conserved roles in infection response despite loss of pore-forming functionality. <i>BMC Biology</i> , 2022, 20, 9.	1.7	35
1112	Gasdermin D pores are dynamically regulated by local phosphoinositide circuitry. <i>Nature Communications</i> , 2022, 13, 52.	5.8	49
1113	IKK $\mu$ protects against starvation-induced NLRP3 inflammasome and pyroptosis in H9c2 cells by alleviating mitochondrial injury. <i>Biochemical and Biophysical Research Communications</i> , 2022, 589, 267-274.	1.0	1
1114	Focus on the Mechanisms and Functions of Pyroptosis, Inflammasomes, and Inflammatory Caspases in Infectious Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-21.	1.9	13
1115	Targeting Pyroptotic Cell Death Pathways in Retinal Disease. <i>Frontiers in Medicine</i> , 2021, 8, 802063.	1.2	7

#	ARTICLE	IF	CITATIONS
1116	Wedelolactone Attenuates N-methyl-N-nitrosourea-Induced Retinal Neurodegeneration through Suppression of the AIM2/CASP11 Pathway. <i>Biomedicines</i> , 2022, 10, 311.	1.4	3
1117	African swine fever virus cysteine protease pS273R inhibits pyroptosis by noncanonically cleaving gasdermin D. <i>Journal of Biological Chemistry</i> , 2022, 298, 101480.	1.6	34
1118	Bacterial gasdermins reveal an ancient mechanism of cell death. <i>Science</i> , 2022, 375, 221-225.	6.0	132
1119	Isolates of <i>Salmonella typhimurium</i> circumvent NLRP3 inflammasome recognition in macrophages during the chronic phase of infection. <i>Journal of Biological Chemistry</i> , 2022, 298, 101461.	1.6	1
1120	AIM2 inflammasome contributes to aldosterone-induced renal injury via endoplasmic reticulum stress. <i>Clinical Science</i> , 2022, 136, 103-120.	1.8	9
1121	BRD4 Inhibition Attenuates Inflammatory Pain by Ameliorating NLRP3 Inflammasome-Induced Pyroptosis. <i>Frontiers in Immunology</i> , 2022, 13, 837977.	2.2	23
1122	Didymin Suppresses Microglia Pyroptosis and Neuroinflammation Through the Asc/Caspase-1/GSDMD Pathway Following Experimental Intracerebral Hemorrhage. <i>Frontiers in Immunology</i> , 2022, 13, 810582.	2.2	27
1123	Regulation of the NLRP3 Inflammasome by Posttranslational Modifications. <i>Journal of Immunology</i> , 2022, 208, 286-292.	0.4	37
1124	A novel pyroptosis-related signature predicts prognosis and response to treatment in breast carcinoma. <i>Aging</i> , 2022, 14, 989-1013.	1.4	12
1125	Inflammatory Caspases: Toward a Unified Model for Caspase Activation by Inflammasomes. <i>Annual Review of Immunology</i> , 2022, 40, 249-269.	9.5	58
1126	The inhibiting effect of Aspirin Triggered-Resolvin D1 in non-canonical pyroptosis in rats with acute keratitis. <i>Experimental Eye Research</i> , 2022, 218, 108938.	1.2	5
1127	Streptococcal pyrogenic exotoxin B cleaves GSDMA and triggers pyroptosis. <i>Nature</i> , 2022, 602, 496-502.	13.7	153
1128	To die or not to die: Programmed cell death responses and their interactions with <i>Coxiella burnetii</i> infection. <i>Molecular Microbiology</i> , 2022, , .	1.2	2
1129	E3 ubiquitin ligase SYVN1 is a key positive regulator for GSDMD-mediated pyroptosis. <i>Cell Death and Disease</i> , 2022, 13, 106.	2.7	19
1130	Gasdermin D Inhibits Coronavirus Infection by Promoting the Noncanonical Secretion of Beta Interferon. <i>MBio</i> , 2022, 13, e0360021.	1.8	8
1131	Understanding Nanomaterial-Liver Interactions to Facilitate the Development of Safer Nanoapplications. <i>Advanced Materials</i> , 2022, 34, e2106456.	11.1	51
1132	Gasdermin E mediates photoreceptor damage by all-trans-retinal in the mouse retina. <i>Journal of Biological Chemistry</i> , 2022, 298, 101553.	1.6	12
1134	The Role of Connexin Hemichannels in Inflammatory Diseases. <i>Biology</i> , 2022, 11, 237.	1.3	18

#	ARTICLE	IF	CITATIONS
1135	Combination of ruthenium (II) polypyridyl complex $[\text{Ru}(\text{L})_3]^{2+}$ and Taxol enhances the anti-cancer effect on Taxol-resistant cancer cells through Caspase-1/GSDMD-mediated pyroptosis. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111749.	1.5	16
1136	Rapid lamellipodial responses by neighbor cells drive epithelial sealing in response to pyroptotic cell death. <i>Cell Reports</i> , 2022, 38, 110316.	2.9	5
1137	Neuroinflammation in Gaucher disease, neuronal ceroid lipofuscinosis, and commonalities with Parkinson's disease. <i>Brain Research</i> , 2022, 1780, 147798.	1.1	8
1138	VX-765 prevents intestinal ischemia-reperfusion injury by inhibiting NLRP3 inflammasome. <i>Tissue and Cell</i> , 2022, 75, 101718.	1.0	6
1139	Inflammasome Activation and Pyroptosis via a Lipid-regulated SIRT1-p53-ASC Axis in Macrophages From Male Mice and Humans. <i>Endocrinology</i> , 2022, 163, .	1.4	12
1140	HBO Alleviates Neural Stem Cell Pyroptosis via lncRNA-H19/miR-423-5p/NLRP3 Axis and Improves Neurogenesis after Oxygen Glucose Deprivation. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 1-15.	1.9	11
1141	Innate Sensors Trigger Regulated Cell Death to Combat Intracellular Infection. <i>Annual Review of Immunology</i> , 2022, 40, 469-498.	9.5	51
1142	Intrinsic Radical Species Scavenging Activities of Tea Polyphenols Nanoparticles Block Pyroptosis in Endotoxin-Induced Sepsis. <i>ACS Nano</i> , 2022, 16, 2429-2441.	7.3	61
1143	Fungal cell death: The beginning of the end. <i>Fungal Genetics and Biology</i> , 2022, 159, 103671.	0.9	10
1144	Pathogenic, but Not Nonpathogenic, <i>Rickettsia</i> spp. Evade Inflammasome-Dependent IL-1 Responses To Establish an Intracytosolic Replication Niche. <i>MBio</i> , 2022, 13, e0291821.	1.8	9
1145	Electrostatic influence on IL-1 transport through the GSDMD pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	13
1146	<i>Staphylococcus aureus</i> mediates pyroptosis in bovine mammary epithelial cell via activation of NLRP3 inflammasome. <i>Veterinary Research</i> , 2022, 53, 10.	1.1	14
1147	Nucleotide receptors mediate protection against neonatal sepsis and meningitis caused by alpha-hemolysin expressing <i>Escherichia coli</i> K1. <i>FASEB Journal</i> , 2022, 36, e22197.	0.2	1
1148	Gasdermin D and Beyond – Gasdermin-mediated Pyroptosis in Bacterial Infections. <i>Journal of Molecular Biology</i> , 2022, 434, 167409.	2.0	15
1149	Study on the role of pyroptosis in bone resorption induced by occlusal trauma with or without periodontitis. <i>Journal of Periodontal Research</i> , 2022, 57, 448-460.	1.4	9
1150	Pyroptosis: A Developing Foreland of Ovarian Cancer Treatment. <i>Frontiers in Oncology</i> , 2022, 12, 828303.	1.3	7
1151	Epithelial Gasdermin D shapes the host-microbial interface by driving mucus layer formation. <i>Science Immunology</i> , 2022, 7, eabk2092.	5.6	48
1152	The neuroprotective mechanism of lithium after ischaemic stroke. <i>Communications Biology</i> , 2022, 5, 105.	2.0	17

#	ARTICLE	IF	CITATIONS
1153	Granzymes: The Molecular Executors of Immune-Mediated Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1833.	1.8	27
1154	Fungal gasdermin-like proteins are controlled by proteolytic cleavage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	33
1155	Gasdermin Pore Forming Activities that Promote Inflammation from Living and Dead Cells. <i>Journal of Molecular Biology</i> , 2022, 434, 167427.	2.0	6
1156	GSDMD-miR-223-NLRP3 axis involved in B(a)P-induced inflammatory injury of alveolar epithelial cells. <i>Ecotoxicology and Environmental Safety</i> , 2022, 232, 113286.	2.9	14
1157	The role of pyroptosis in lung cancer and compounds regulated pyroptosis of lung cancer cells. <i>Journal of Cancer Research and Therapeutics</i> , 2021, 17, 1596.	0.3	2
1158	Kauranes as Anti-inflammatory and Immunomodulatory Agents: An Overview of In Vitro and In Vivo Effects. , 2022, , 191-239.		3
1159	In Vitro Assays to Study Inflammasome Activation in Primary Macrophages. <i>Methods in Molecular Biology</i> , 2022, 2459, 11-28.	0.4	0
1160	Gasdermin D Cleavage Assay Following Inflammasome Activation. <i>Methods in Molecular Biology</i> , 2022, 2459, 39-49.	0.4	4
1161	Poly-l-lysine-caused cell adhesion induces pyroptosis in THP-1 monocytes. <i>Open Life Sciences</i> , 2022, 17, 279-283.	0.6	1
1162	Pyroptosis patterns and immune infiltrates characterization in head and neck squamous cell carcinoma. <i>Journal of Clinical Laboratory Analysis</i> , 2022, 36, e24292.	0.9	8
1163	Protective Effects of Remimazolam on Cerebral Ischemia/Reperfusion Injury in Rats by Inhibiting of NLRP3 Inflammasome-Dependent Pyroptosis. <i>Drug Design, Development and Therapy</i> , 2022, Volume 16, 413-423.	2.0	27
1164	Crosstalk Between Pyroptosis and Apoptosis in Hepatitis C Virus-induced Cell Death. <i>Frontiers in Immunology</i> , 2022, 13, 788138.	2.2	13
1165	A Novel Pyroptosis-Related Prognostic Signature for Cervical Squamous Cell Carcinoma. <i>International Journal of General Medicine</i> , 2022, Volume 15, 2057-2073.	0.8	0
1166	Tumor Treating Fields dually activate STING and AIM2 inflammasomes to induce adjuvant immunity in glioblastoma. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	45
1167	Molecular Prerequisites for Neutrophil Extracellular Trap Formation and Evasion Mechanisms of <i>Staphylococcus aureus</i> . <i>Frontiers in Immunology</i> , 2022, 13, 836278.	2.2	20
1168	Biomimetic Metal-Organic Framework Nanoparticles for Synergistic Combining of SDT-Chemotherapy Induce Pyroptosis in Gastric Cancer. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 796820.	2.0	17
1169	Irisin protects against vascular calcification by activating autophagy and inhibiting NLRP3-mediated vascular smooth muscle cell pyroptosis in chronic kidney disease. <i>Cell Death and Disease</i> , 2022, 13, 283.	2.7	37
1170	Gasdermin E mediates resistance of pancreatic adenocarcinoma to enzymatic digestion through a YBX1 mucin pathway. <i>Nature Cell Biology</i> , 2022, 24, 364-372.	4.6	19

#	ARTICLE	IF	CITATIONS
1171	Interactions between the Re-Emerging Pathogen <i>Corynebacterium diphtheriae</i> and Host Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3298.	1.8	7
1172	Inflammasome Contribution to the Activation of Th1, Th2, and Th17 Immune Responses. <i>Frontiers in Microbiology</i> , 2022, 13, 851835.	1.5	18
1173	Caspase-1: A Promising Target for Preserving Blood-Brain Barrier Integrity in Acute Stroke. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 856372.	1.4	9
1174	Regulation of Inflammatory Cell Death by Phosphorylation. <i>Frontiers in Immunology</i> , 2022, 13, 851169.	2.2	8
1175	Activation of RKIP Binding ASC Attenuates Neuronal Pyroptosis and Brain Injury via Caspase-1/GSDMD Signaling Pathway After Intracerebral Hemorrhage in Mice. <i>Translational Stroke Research</i> , 2022, 13, 1037-1054.	2.3	17
1176	Pyroptosis Patterns Are Involved in Immune Microenvironment Regulation of Dilated Cardiomyopathy. <i>Disease Markers</i> , 2022, 2022, 1-15.	0.6	3
1177	Anti- $\beta$ -GPI induces neutrophil pyroptosis and thereby enhances ICAM-1 and IL-8 expression in endothelial cells. <i>International Journal of Molecular Medicine</i> , 2022, 49, .	1.8	4
1178	Role of Pyroptosis in Respiratory Diseases and its Therapeutic Potential. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2033-2050.	1.6	8
1179	Exosome-Derived From Sepsis Patients' Blood Promoted Pyroptosis of Cardiomyocytes by Regulating miR-885-5p/HMBOX1. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 774193.	1.1	12
1180	Construction of a Pyroptosis-Related Signature for Prognostic Prediction and Characterization of Immune Microenvironment in Acute Myelogenous Leukemia. <i>International Journal of General Medicine</i> , 2022, Volume 15, 2913-2927.	0.8	4
1181	Fucoidan Alleviates Renal Fibrosis in Diabetic Kidney Disease via Inhibition of NLRP3 Inflammasome-Mediated Podocyte Pyroptosis. <i>Frontiers in Pharmacology</i> , 2022, 13, 790937.	1.6	21
1182	Identification of a Pyroptosis-Related Gene Signature and Effect of Silencing the CHMP4C and CASP4 in Pancreatic Adenocarcinoma. <i>International Journal of General Medicine</i> , 2022, Volume 15, 3199-3213.	0.8	10
1183	Targeting NLRP3 Inflammasome With Nrf2 Inducers in Central Nervous System Disorders. <i>Frontiers in Immunology</i> , 2022, 13, 865772.	2.2	26
1184	Pyroptosis-Related lncRNAs for Predicting the Prognosis and Identifying Immune Microenvironment Infiltration in Breast Cancer Lung Metastasis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 821727.	1.8	1
1185	Porcine Gasdermin D Is a Substrate of Caspase-1 and an Executioner of Pyroptosis. <i>Frontiers in Immunology</i> , 2022, 13, 828911.	2.2	4
1186	GSDMs are potential therapeutic targets and prognostic biomarkers in clear cell renal cell carcinoma. <i>Aging</i> , 2022, 14, 2758-2774.	1.4	12
1187	The colonic pathogen <i>Entamoeba histolytica</i> activates caspase-4/1 that cleaves the pore-forming protein gasdermin D to regulate IL-1 $\beta$ secretion. <i>PLoS Pathogens</i> , 2022, 18, e1010415.	2.1	8
1188	Regulation of antiviral immune response by African swine fever virus (ASFV). <i>Virologica Sinica</i> , 2022, 37, 157-167.	1.2	31



#	ARTICLE	IF	CITATIONS
1189	LncRNA Rian reduces cardiomyocyte pyroptosis and alleviates myocardial ischemia-reperfusion injury by regulating by the miR-17-5p/CCND1 axis. <i>Hypertension Research</i> , 2022, 45, 976-989.	1.5	15
1190	NLRP4 Deficiency Leads to Enhanced Phosphorylation of MLKL and Necroptosis. <i>ImmunoHorizons</i> , 2022, 6, 243-252.	0.8	4
1191	MicroRNA-223-3p inhibits oxidized low-density lipoprotein-mediated NLRP3 inflammasome activation via directly targeting NLRP3 and FOXO3. <i>Clinical Hemorheology and Microcirculation</i> , 2022, 81, 241-253.	0.9	7
1192	Protective Effect of Crocin on Immune Checkpoint Inhibitors-Related Myocarditis Through Inhibiting NLRP3 Mediated Pyroptosis in Cardiomyocytes via NF- $\kappa$ B Pathway. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 1653-1666.	1.6	15
1194	HDAC11 promotes both NLRP3/caspase-1/GSDMD and caspase-3/GSDME pathways causing pyroptosis via ERG in vascular endothelial cells. <i>Cell Death Discovery</i> , 2022, 8, 112.	2.0	50
1195	Caspase mechanisms in the regulation of inflammation. <i>Molecular Aspects of Medicine</i> , 2022, 88, 101085.	2.7	11
1196	Circadian Control of Redox Reactions in the Macrophage Inflammatory Response. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 664-678.	2.5	5
1197	A Novel Defined Pyroptosis-Related Gene Signature for Predicting Prognosis and Treatment of Glioma. <i>Frontiers in Oncology</i> , 2022, 12, 717926.	1.3	10
1198	The lipid peroxidation product 4-hydroxynonenal inhibits NLRP3 inflammasome activation and macrophage pyroptosis. <i>Cell Death and Differentiation</i> , 2022, 29, 1790-1803.	5.0	48
1199	TMZ magnetic temperature-sensitive liposomes-mediated magnetothermal chemotherapy induces pyroptosis in glioblastoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2022, 43, 102554.	1.7	16
1201	IL-17A mediates pyroptosis via the ERK pathway and contributes to steroid resistance in CRSwNP. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 337-351.	1.5	24
1202	Pyroptosis-Related Inflammasome Pathway: A New Therapeutic Target for Diabetic Cardiomyopathy. <i>Frontiers in Pharmacology</i> , 2022, 13, 842313.	1.6	12
1203	Gasdermin E is required for induction of pyroptosis and severe disease during enterovirus 71 infection. <i>Journal of Biological Chemistry</i> , 2022, 298, 101850.	1.6	22
1204	Inflammasome and gasdermin signaling in neutrophils. <i>Molecular Microbiology</i> , 2022, 117, 961-972.	1.2	5
1205	Caspases help to spread the message via extracellular vesicles. <i>FEBS Journal</i> , 2023, 290, 1954-1972.	2.2	6
1206	Pyroptosis in neurodegenerative diseases: What lies beneath the tip of the iceberg?. <i>International Reviews of Immunology</i> , 2023, 42, 258-273.	1.5	3
1207	Discovery of 4-((E)-3,5-dimethoxy-2-((E)-2-nitrovinyl)styryl)aniline derivatives as potent and orally active NLRP3 inflammasome inhibitors for colitis. <i>European Journal of Medicinal Chemistry</i> , 2022, 236, 114357.	2.6	2
1208	miR-513c-5p Suppression Aggravates Pyroptosis of Endothelial Cell in Deep Venous Thrombosis by Promoting Caspase-1. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 838785.	1.8	3

#	ARTICLE	IF	CITATIONS
1209	Emerging Roles of Inflammasomes in Cardiovascular Diseases. <i>Frontiers in Immunology</i> , 2022, 13, 834289.	2.2	14
1210	Lysosomal cysteine proteases are mediators of cell death in macrophages following exposure to amorphous silica nanoparticles. <i>Chemico-Biological Interactions</i> , 2022, 356, 109882.	1.7	4
1211	GSK-3 $\beta$ -mediated activation of NLRP3 inflammasome leads to pyroptosis and apoptosis of rat cardiomyocytes and fibroblasts. <i>European Journal of Pharmacology</i> , 2022, 920, 174830.	1.7	17
1212	Analysis of necroptosis and its association with pyroptosis in organ damage in experimental pulmonary arterial hypertension. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2633-2645.	1.6	9
1213	Programmed Cell Death-Dependent Host Defense in Ocular Herpes Simplex Virus Infection. <i>Frontiers in Microbiology</i> , 2022, 13, 869064.	1.5	7
1214	Bacterial origins of human cell-autonomous innate immune mechanisms. <i>Nature Reviews Immunology</i> , 2022, 22, 629-638.	10.6	98
1215	Comprehensive molecular analysis of a four-pyroptosis-gene signature with prognosis and immune landscape in lung adenocarcinoma. <i>Genomics</i> , 2022, 114, 110355.	1.3	4
1216	Interleukin-1 (IL-1) and the inflammasome in cancer. <i>Cytokine</i> , 2022, 153, 155850.	1.4	30
1217	Protective Effects of the Soluble Receptor for Advanced Glycation End-Products on Pyroptosis during Myocardial Ischemia-Reperfusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	1.9	8
1218	Induction of multiple subroutines of regulated necrosis in murine macrophages by natural BH3-mimetic gossypol. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, 54, 64-76.	0.9	7
1219	Long-chain PUFA ameliorate enterotoxigenic <i>Escherichia coli</i> -induced intestinal inflammation and cell injury by modulating pyroptosis and necroptosis signaling pathways in porcine intestinal epithelial cells. <i>British Journal of Nutrition</i> , 2022, 128, 835-850.	1.2	5
1220	Regulated cell death: discovery, features and implications for neurodegenerative diseases. <i>Cell Communication and Signaling</i> , 2021, 19, 120.	2.7	48
1221	Identification of an ASC oligomerization inhibitor for the treatment of inflammatory diseases. <i>Cell Death and Disease</i> , 2021, 12, 1155.	2.7	27
1222	IRF2 contributes to myocardial infarction via regulation of GSDMD induced pyroptosis. <i>Molecular Medicine Reports</i> , 2021, 25, .	1.1	7
1223	Transient Receptor Potential Cation Channel Subfamily V Member 4 Mediates Pyroptosis in Chronic Obstructive Pulmonary Disease. <i>Frontiers in Physiology</i> , 2021, 12, 783891.	1.3	13
1224	High-Throughput CRISPR Screens To Dissect Macrophage- <i>Shigella</i> Interactions. <i>MBio</i> , 2021, 12, e0215821.	1.8	4
1227	Pandemics of the 21st Century: The Risk Factor for Obese People. <i>Viruses</i> , 2022, 14, 25.	1.5	16
1228	A novel pyroptosis-related gene signature to predict outcomes in laryngeal squamous cell carcinoma. <i>Aging</i> , 2021, 13, 25960-25979.	1.4	0

#	ARTICLE	IF	CITATIONS
1229	GPR40 agonist inhibits NLRP3 inflammasome activation via modulation of nuclear factor- $\kappa$ B and sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase. <i>Life Sciences</i> , 2021, 287, 120127.	2.0	5
1230	Plasma membrane perforation by GSDME during apoptosis-driven secondary necrosis. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 19.	2.4	12
1231	Research Progress of Different Inflammatory Factors in Osteoporosis. <i>Advances in Clinical Medicine</i> , 2022, 12, 2590-2604.	0.0	0
1232	Emerging Insights on Caspases in COVID-19 Pathogenesis, Sequelae, and Directed Therapies. <i>Frontiers in Immunology</i> , 2022, 13, 842740.	2.2	13
1233	Resurrection of an ancient inflammatory locus reveals switch to caspase-1 specificity on a caspase-4 scaffold. <i>Journal of Biological Chemistry</i> , 2022, 298, 101931.	1.6	3
1234	A Fluorescence-Polarization-Based Lipopolysaccharide-Caspase-4 Interaction Assay for the Development of Inhibitors. <i>Molecules</i> , 2022, 27, 2458.	1.7	2
1235	Mesenchymal stem cell-derived exosomal microRNA-182-5p alleviates myocardial ischemia/reperfusion injury by targeting GSDMD in mice. <i>Cell Death Discovery</i> , 2022, 8, 202.	2.0	33
1236	Targeted P2X7/NLRP3 signaling pathway against inflammation, apoptosis, and pyroptosis of retinal endothelial cells in diabetic retinopathy. <i>Cell Death and Disease</i> , 2022, 13, 336.	2.7	43
1237	Cardiac Remodeling in Heart Failure: Role of Pyroptosis and Its Therapeutic Implications. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 870924.	1.1	15
1238	Nur77 Deficiency Exacerbates Macrophage NLRP3 Inflammasome-Mediated Inflammation and Accelerates Atherosclerosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	8
1239	Yeast cell death pathway requiring AP-3 vesicle trafficking leads to vacuole/lysosome membrane permeabilization. <i>Cell Reports</i> , 2022, 39, 110647.	2.9	11
1240	Identification of HPCAL1 as a specific autophagy receptor involved in ferroptosis. <i>Autophagy</i> , 2023, 19, 54-74.	4.3	44
1241	Cochlear Marginal Cell Pyroptosis Is Induced by Cisplatin via NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2022, 13, 823439.	2.2	6
1242	Involvement of NLRP3/Caspase-1/GSDMD-Dependent pyroptosis in BPA-Induced apoptosis of human neuroblastoma cells. <i>Biochemical Pharmacology</i> , 2022, 200, 115042.	2.0	15
1243	Activation and manipulation of inflammasomes and pyroptosis during bacterial infections. <i>Biochemical Journal</i> , 2022, 479, 867-882.	1.7	4
1244	Dehydroepiandrosterone exacerbates nigericin-induced abnormal autophagy and pyroptosis via GPER activation in LPS-primed macrophages. <i>Cell Death and Disease</i> , 2022, 13, 372.	2.7	14
1245	Active Release of eCIRP via Gasdermin D Channels to Induce Inflammation in Sepsis. <i>Journal of Immunology</i> , 2022, 208, 2184-2195.	0.4	15
1246	How Pyroptosis Contributes to Inflammation and Fibroblast-Macrophage Cross-Talk in Rheumatoid Arthritis. <i>Cells</i> , 2022, 11, 1307.	1.8	10

#	ARTICLE	IF	CITATIONS
1247	The Role of Inflammasomes in Glomerulonephritis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4208.	1.8	14
1248	Life and death of microglia: Mechanisms governing microglial states and fates. <i>Immunology Letters</i> , 2022, 245, 51-60.	1.1	14
1249	Pyroptosis in diabetes and diabetic nephropathy. <i>Clinica Chimica Acta</i> , 2022, 531, 188-196.	0.5	16
1269	Challenges facing the clinical translation of cardioprotection: 35 years after the discovery of ischemic preconditioning. <i>Vascular Pharmacology</i> , 2022, 144, 106995.	1.0	7
1270	Signaling cascades in the failing heart and emerging therapeutic strategies. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 134.	7.1	18
1271	Ageing related thyroid deficiency increases brain-targeted transport of liver-derived ApoE4-laden exosomes leading to cognitive impairment. <i>Cell Death and Disease</i> , 2022, 13, 406.	2.7	6
1272	Characteristics of electrophysiological changes in the process of astrocytes pyroptosis after hyperoxia exposure. <i>Journal of Central South University (Medical Sciences)</i> , 2020, 45, 759-765.	0.1	0
1273	It's All in the PAN: Crosstalk, Plasticity, Redundancies, Switches, and Interconnectedness Encompassed by PANoptosis Underlying the Totality of Cell Death-Associated Biological Effects. <i>Cells</i> , 2022, 11, 1495.	1.8	37
1274	Characterization of a Pyroptosis-Related Signature for Prognosis Prediction and Immune Microenvironment Infiltration in Prostate Cancer. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-51.	0.7	4
1275	The Relationship of Redox With Hallmarks of Cancer: The Importance of Homeostasis and Context. <i>Frontiers in Oncology</i> , 2022, 12, 862743.	1.3	28
1276	Procyanidin B2 Attenuates Nicotine-Induced Hepatocyte Pyroptosis through a PPAR $\beta$ -Dependent Mechanism. <i>Nutrients</i> , 2022, 14, 1756.	1.7	9
1277	Nicotinic Acetylcholine Receptors and Microglia as Therapeutic and Imaging Targets in Alzheimer's Disease. <i>Molecules</i> , 2022, 27, 2780.	1.7	10
1278	Fas/CD95 Signaling Pathway in Damage-Associated Molecular Pattern (DAMP)-Sensing Receptors. <i>Cells</i> , 2022, 11, 1438.	1.8	6
1279	Dietary Tryptophan Supplementation Improves Antioxidant Status and Alleviates Inflammation, Endoplasmic Reticulum Stress, Apoptosis, and Pyroptosis in the Intestine of Piglets after Lipopolysaccharide Challenge. <i>Antioxidants</i> , 2022, 11, 872.	2.2	12
1280	The implication of pyroptosis in cancer immunology: Current advances and prospects. <i>Genes and Diseases</i> , 2023, 10, 2339-2350.	1.5	2
1281	Myocardial ischemia/reperfusion injury: Mechanisms of injury and implications for management (Review). <i>Experimental and Therapeutic Medicine</i> , 2022, 23, .	0.8	62
1282	Gasdermin D mediates doxorubicin-induced cardiomyocyte pyroptosis and cardiotoxicity via directly binding to doxorubicin and changes in mitochondrial damage. <i>Translational Research</i> , 2022, 248, 36-50.	2.2	25
1283	Greek Fire, Poison Arrows, and Scorpion Bombs: How Tumor Cells Defend Against the Siege Weapons of Cytotoxic T Lymphocytes. <i>Frontiers in Immunology</i> , 2022, 13, 894306.	2.2	9

#	ARTICLE	IF	CITATIONS
1284	Catching a killer: Mechanisms of programmed cell death and immune activation in Amyotrophic Lateral Sclerosis. <i>Immunological Reviews</i> , 2022, 311, 130-150.	2.8	9
1285	Topical Simvastatin Improves Lesions of Diffuse Normolipemic Plane Xanthoma by Inhibiting Foam Cell Pyroptosis. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	1
1286	The natural compound from <i>Garcinia bracteata</i> mainly induces GSDME-mediated pyroptosis in esophageal cancer cells. <i>Phytomedicine</i> , 2022, 102, 154142.	2.3	16
1287	Cell pyroptosis in picornavirus and its potential for treating viral infection. <i>Journal of Medical Virology</i> , 2022, 94, 3570-3580.	2.5	5
1288	The Role of Inflammasomes in Osteoarthritis and Secondary Joint Degeneration Diseases. <i>Life</i> , 2022, 12, 731.	1.1	13
1289	Association of Inflammatory Cytokines With Non-Alcoholic Fatty Liver Disease. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	89
1290	Novel Caspase-1 inhibitor CZL80 improves neurological function in mice after progressive ischemic stroke within a long therapeutic time-window. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 2817-2827.	2.8	6
1291	Pyroptosis: Role and Mechanisms in Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	13
1292	A TLR4-independent critical role for CD14 in intracellular LPS sensing. <i>Cell Reports</i> , 2022, 39, 110755.	2.9	25
1293	Activation and Function of NLRP3 Inflammasome in Bone and Joint-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5365.	1.8	22
1294	Gasdermin-A3 pore formation propagates along variable pathways. <i>Nature Communications</i> , 2022, 13, 2609.	5.8	25
1295	NLRP3 and pyroptosis blockers for treating inflammatory diseases. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 653-668.	4.0	193
1296	Group A <i>Streptococcus</i> induces GSDMA-dependent pyroptosis in keratinocytes. <i>Nature</i> , 2022, 605, 527-531.	18.7	72
1297	Radiation-induced non-targeted effect of immunity provoked by mitochondrial DNA damage triggered cGAS/ AIM2 pathways. <i>Radiation Medicine and Protection</i> , 2022, 3, 47-55.	0.4	1
1298	A novel 3-acyl isoquinolin-1(2H)-one induces G2 phase arrest, apoptosis and GSDME-dependent pyroptosis in breast cancer. <i>PLoS ONE</i> , 2022, 17, e0268060.	1.1	3
1299	Cisplatin-induced pyroptosis is mediated via the CAPN1/CAPN2-BAK/BAX-caspase-9-caspase-3-GSDME axis in esophageal cancer. <i>Chemico-Biological Interactions</i> , 2022, 361, 109967.	1.7	14
1300	6-methoxydihydroavicine, the alkaloid extracted from <i>Macleaya cordata</i> (Willd.) R. Br. (Papaveraceae), triggers RIPK1/Caspase-dependent cell death in pancreatic cancer cells through the disruption of oxaloacetic acid metabolism and accumulation of reactive oxygen species. <i>Phytomedicine</i> , 2022, 102, 154164.	2.3	7
1301	Simulated microgravity promotes oxidative stress-induced apoptosis in ARPE-19 cells associated with Nrf2 signaling pathway. <i>Acta Astronautica</i> , 2022, 198, 161-169.	1.7	2

#	ARTICLE	IF	CITATIONS
1302	Which cell death modality wins the contest for photodynamic therapy of cancer?. Cell Death and Disease, 2022, 13, 455.	2.7	86
1303	Prognostic and Immune Implications of a Novel Pyroptosis-Related Five-Gene Signature in Breast Cancer. Frontiers in Surgery, 2022, 9, .	0.6	4
1304	Topoisomerase 1 inhibition modulates pyroptosis to improve recovery after spinal cord injury. FASEB Journal, 2022, 36, e22294.	0.2	2
1305	NF- $\kappa$ B/ABCA1 pathway aggravates ox-LDL-induced cell pyroptosis by activation of NLRP3 inflammasomes in THP-1-derived macrophages. Molecular Biology Reports, 2022, 49, 6161-6171.	1.0	10
1306	Innate immunity in fungi: Is regulated cell death involved?. PLoS Pathogens, 2022, 18, e1010460.	2.1	5
1307	Dendrobium Nobile Lindl. Alkaloid Suppresses NLRP3-Mediated Pyroptosis to Alleviate LPS-Induced Neurotoxicity. Frontiers in Pharmacology, 2022, 13, 846541.	1.6	10
1308	Pyroptosis impacts the prognosis and treatment response in gastric cancer via immune system modulation.. American Journal of Cancer Research, 2022, 12, 1511-1534.	1.4	0
1309	Pyroptosis and Its Role in SARS-CoV-2 Infection. Cells, 2022, 11, 1717.	1.8	17
1310	No longer married to inflammasome signaling: the diverse interacting pathways leading to pyroptotic cell death. Biochemical Journal, 2022, 479, 1083-1102.	1.7	17
1311	A short prokaryotic Argonaute activates membrane effector to confer antiviral defense. Cell Host and Microbe, 2022, 30, 930-943.e6.	5.1	38
1312	Deubiquitinases in cell death and inflammation. Biochemical Journal, 2022, 479, 1103-1119.	1.7	7
1313	Poroptosis: A form of cell death depending on plasma membrane nanopores formation. IScience, 2022, 25, 104481.	1.9	6
1314	Cardiolipin Biosynthesis Genes Are Not Required for <i>Salmonella enterica</i> Serovar Typhimurium Pathogenesis in C57BL/6J Mice. Microbiology Spectrum, 0, , .	1.2	1
1315	NLRP3-Dependent Pyroptosis: A Candidate Therapeutic Target for Depression. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	11
1316	Gasdermin D Deficiency Limits the Transition of Atherosclerotic Plaques to an Inflammatory Phenotype in ApoE Knock-Out Mice. Biomedicines, 2022, 10, 1171.	1.4	20
1317	Focus on the Role of the NLRP3 Inflammasome in Multiple Sclerosis: Pathogenesis, Diagnosis, and Therapeutics. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	17
1318	Pyroptosis and Its Role in Autoimmune Disease: A Potential Therapeutic Target. Frontiers in Immunology, 0, 13, .	2.2	33
1319	Role of Pyroptosis in Inflammatory Bowel Disease (IBD): From Gasdermins to DAMPs. Frontiers in Pharmacology, 2022, 13, .	1.6	14

#	ARTICLE	IF	CITATIONS
1320	Inflammatory Biomarkers of Traumatic Brain Injury. <i>Pharmaceuticals</i> , 2022, 15, 660.	1.7	12
1321	Cryo-sensitive aggregation triggers NLRP3 inflammasome assembly in cryopyrin-associated periodic syndrome. <i>ELife</i> , 0, 11, .	2.8	9
1322	Extracellular Vesicle-Associated MicroRNA-138-5p Regulates Embryo Implantation and Early Pregnancy by Adjusting GPR124. <i>Pharmaceutics</i> , 2022, 14, 1172.	2.0	9
1323	Insights into inflammasome regulation: cellular, molecular, and pathogenic control of inflammasome activation. <i>Immunologic Research</i> , 2022, 70, 578-606.	1.3	10
1324	Caspase-4 and -5 Biology in the Pathogenesis of Inflammatory Bowel Disease. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	5
1325	A pyroptosis-related gene signature predicts prognosis and immune microenvironment in hepatocellular carcinoma. <i>World Journal of Surgical Oncology</i> , 2022, 20, .	0.8	2
1326	Modulation of Autoimmune and Autoinflammatory Diseases by Gasdermins. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
1330	Gasdermin D Restricts Anti-Tumor Immunity During PD-L1 Checkpoint Blockade. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1331	Gasdermins in Innate Host Defense Against <i>Entamoeba histolytica</i> and Other Protozoan Parasites. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
1332	Unconventional Protein Secretion in Brain Tumors Biology: Enlightening the Mechanisms for Tumor Survival and Progression. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	5
1333	Subsets of Tissue CD4 T Cells Display Different Susceptibilities to HIV Infection and Death: Analysis by CyTOF and Single Cell RNA-seq. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
1334	Autophagy, ferroptosis, pyroptosis, and necroptosis in tumor immunotherapy. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	230
1335	Ellagic acid Alleviates hepatic ischemiaâ€‘reperfusion injury in C57 mice via the Caspase-1-GSDMD pathway. <i>BMC Veterinary Research</i> , 2022, 18, .	0.7	3
1336	D-aspartic acid protects against gingival fibroblasts inflammation by suppressing pyroptosis. <i>Molecular Biology Reports</i> , 0, , .	1.0	0
1337	Targeting Novel Regulated Cell Death: Pyroptosis, Necroptosis, and Ferroptosis in Diabetic Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	7
1338	The Role of NLRP3 Inflammasome Activation Pathway of Hepatic Macrophages in Liver Ischemiaâ€‘Reperfusion Injury. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
1339	Activating cGASâ€‘STING axis contributes to neuroinflammation in CVST mouse model and induces inflammasome activation and microglia pyroptosis. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	55
1340	The Effect of 5-Aminolevulinic Acid Photodynamic Therapy in Promoting Pyroptosis of HPV-Infected Cells. <i>Photonics</i> , 2022, 9, 408.	0.9	2

#	ARTICLE	IF	CITATIONS
1341	GM-CSF suppresses antioxidant signaling and drives IL-1 $\beta$ secretion through NRF2 downregulation. <i>EMBO Reports</i> , 2022, 23, .	2.0	4
1342	Erythropoietin Enhances Post-ischemic Migration and Phagocytosis and Alleviates the Activation of Inflammasomes in Human Microglial Cells. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	2
1343	Apoptosis of Lens Epithelial Cells and Expression of NLRP3-related Proteins in Patients with Diabetes and Cataract. <i>Ocular Immunology and Inflammation</i> , 2023, 31, 1103-1110.	1.0	4
1344	Substance P promotes the progression of bronchial asthma through activating the PI3K/AKT/NF- $\kappa$ B pathway mediated cellular inflammation and pyroptotic cell death in bronchial epithelial cells. <i>Cell Cycle</i> , 2022, 21, 2179-2191.	1.3	8
1345	Innate Immune Cell Death in Neuroinflammation and Alzheimer's Disease. <i>Cells</i> , 2022, 11, 1885.	1.8	49
1346	The Regulation and Modification of GSDMD Signaling in Diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	17
1347	NOD2-RIP2 signaling alleviates microglial ROS damage and pyroptosis via ULK1-mediated autophagy during <i>Streptococcus pneumoniae</i> infection. <i>Neuroscience Letters</i> , 2022, 783, 136743.	1.0	6
1348	Gasdermin D-mediated microglial pyroptosis exacerbates neurotoxicity of aflatoxins B1 and M1 in mouse primary microglia and neuronal cultures. <i>NeuroToxicology</i> , 2022, 91, 305-320.	1.4	11
1349	Interleukin-35 attenuates blood-brain barrier dysfunction caused by cerebral ischemia-reperfusion injury through inhibiting brain endothelial cell injury. <i>Annals of Translational Medicine</i> , 2022, 10, 776-776.	0.7	2
1350	DUSP2-mediated inhibition of tubular epithelial cell pyroptosis confers nephroprotection in acute kidney injury. <i>Theranostics</i> , 2022, 12, 5069-5085.	4.6	14
1351	Detection of Gasdermin Activation and Lytic Cell Death During Pyroptosis and Apoptosis. <i>Methods in Molecular Biology</i> , 2022, , 209-237.	0.4	5
1352	Functional Assessment of Disease-Associated Pyrin Variants. <i>Methods in Molecular Biology</i> , 2022, , 179-195.	0.4	4
1353	Diverse Control Mechanisms of the Interleukin-1 Cytokine Family. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	13
1354	Keeping Cell Death Alive: An Introduction into the French Cell Death Research Network. <i>Biomolecules</i> , 2022, 12, 901.	1.8	2
1355	Astragaloside IV attenuate MI-induced myocardial fibrosis and cardiac remodeling by inhibiting ROS/caspase-1/GSDMD signaling pathway. <i>Cell Cycle</i> , 2022, 21, 2309-2322.	1.3	24
1356	Revisiting Regulated Cell Death Responses in Viral Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7023.	1.8	11
1357	<i>Pseudomonas aeruginosa</i> : pathogenesis, virulence factors, antibiotic resistance, interaction with host, technology advances and emerging therapeutics. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	239
1358	Role of NLRP3 Inflammasome in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	19



#	ARTICLE	IF	CITATIONS
1359	The Role of the NLRP3 Inflammasome in HCC Carcinogenesis and Treatment: Harnessing Innate Immunity. <i>Cancers</i> , 2022, 14, 3150.	1.7	14
1360	Combination regimen of granulocyte colony-stimulating factor and recombinant human thrombopoietin improves the curative effect on elderly patients with leukemia through inducing pyroptosis and ferroptosis of leukemia cells. <i>Cancer Gene Therapy</i> , 2022, 29, 1742-1750.	2.2	7
1361	Salmonella enterica Serovar Typhimurium Induces NAIP/NLRC4- and NLRP3/ASC-Independent, Caspase-4-Dependent Inflammasome Activation in Human Intestinal Epithelial Cells. <i>Infection and Immunity</i> , 2022, 90, .	1.0	25
1362	Necroptosis, Pyroptosis, Ferroptosis in Sepsis and Treatment. <i>Shock</i> , 2022, 57, 161-171.	1.0	14
1363	Pyroptosis in host defence against bacterial infection. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	24
1364	Mitochondrial function and dysfunction in innate immunity. <i>Current Opinion in Physiology</i> , 2022, 28, 100571.	0.9	1
1365	Gasdermins: New Therapeutic Targets in Host Defense, Inflammatory Diseases, and Cancer. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	15
1366	Serum gasdermin D levels are associated with the chest computed tomography findings and severity of COVID-19. <i>Respiratory Investigation</i> , 2022, 60, 750-761.	0.9	3
1367	Pyroptosis: A Novel Intervention Target in the Progression of Osteoarthritis. <i>Journal of Inflammation Research</i> , 0, Volume 15, 3859-3871.	1.6	13
1368	Identification of a Novel Pyroptosis-Related Gene Signature Indicative of Disease Prognosis and Treatment Response in Skin Cutaneous Melanoma. <i>International Journal of General Medicine</i> , 0, Volume 15, 6145-6163.	0.8	4
1369	Pyroptosis in inflammation-related respiratory disease. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 721-737.	1.3	42
1370	Munronoid I Ameliorates DSS-Induced Mouse Colitis by Inhibiting NLRP3 Inflammasome Activation and Pyroptosis Via Modulation of NLRP3. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
1371	Disulfiram, an aldehyde dehydrogenase inhibitor, works as a potent drug against sepsis and cancer via NETosis, pyroptosis, apoptosis, ferroptosis, and cuproptosis. <i>Blood Science</i> , 2022, 4, 152-154.	0.4	11
1372	Exercise-Linked Skeletal Irisin Ameliorates Diabetes-Associated Osteoporosis by Inhibiting the Oxidative Damage-Dependent miR-150-FNDC5/Pyroptosis Axis. <i>Diabetes</i> , 2022, 71, 2777-2792.	0.3	29
1373	Oxidative stress leads to severe phenotypes in sepsis through activation of NLRP3-pyroptosis. , 2022, 2022, R84-R95.		1
1374	The enigmatic roles of epithelial gasdermin B: Recent discoveries and controversies. <i>Trends in Cell Biology</i> , 2023, 33, 48-59.	3.6	17
1375	P2X7R/NLRP3 signaling pathway-mediated pyroptosis and neuroinflammation contributed to cognitive impairment in a mouse model of migraine. <i>Journal of Headache and Pain</i> , 2022, 23, .	2.5	21
1376	ISG15 deficiency features a complex cellular phenotype that responds to treatment with itaconate and derivatives. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	20

#	ARTICLE	IF	CITATIONS
1377	Gasdermin D is involved in switching from apoptosis to pyroptosis in TLR4-mediated renal tubular epithelial cells injury in diabetic kidney disease. Archives of Biochemistry and Biophysics, 2022, 727, 109347.	1.4	6
1378	An insight in Salmonella typhi associated autoimmunity candidates' prediction by molecular mimicry. Computers in Biology and Medicine, 2022, 148, 105865.	3.9	3
1379	The Role of Pyroptosis and Autophagy in Ischemia Reperfusion Injury. Biomolecules, 2022, 12, 1010.	1.8	11
1380	Activation and Pharmacological Regulation of Inflammasomes. Biomolecules, 2022, 12, 1005.	1.8	17
1381	Nanodevices for the Efficient Codelivery of CRISPR-Cas9 Editing Machinery and an Entrapped Cargo: A Proposal for Dual Anti-Inflammatory Therapy. Pharmaceutics, 2022, 14, 1495.	2.0	9
1382	Type I collagen decorated nanoporous network on titanium implant surface promotes osseointegration through mediating immunomodulation, angiogenesis, and osteogenesis. Biomaterials, 2022, 288, 121684.	5.7	41
1384	Emerging mechanisms of pyroptosis and its therapeutic strategy in cancer. Cell Death Discovery, 2022, 8, .	2.0	24
1385	Sirt6 inhibits vascular endothelial cell pyroptosis by regulation of the Lin28b/let-7 pathway in atherosclerosis. International Immunopharmacology, 2022, 110, 109056.	1.7	9
1386	Honokiol alleviates ulcerative colitis by targeting PPAR- $\gamma$ -TLR4-NF- $\kappa$ B signaling and suppressing gasdermin-D-mediated pyroptosis in vivo and in vitro. International Immunopharmacology, 2022, 111, 109058.	1.7	15
1387	Current knowledge of pyroptosis in heart diseases. Journal of Molecular and Cellular Cardiology, 2022, 171, 81-89.	0.9	15
1388	Cadmium exposure induces pyroptosis in testicular tissue by increasing oxidative stress and activating the AIM2 inflammasome pathway. Science of the Total Environment, 2022, 847, 157500.	3.9	27
1389	Transforming growth factor- $\beta$ 1 protects against LPC-induced cognitive deficit by attenuating pyroptosis of microglia via NF- $\kappa$ B/ERK1/2 pathways. Journal of Neuroinflammation, 2022, 19, .	3.1	13
1390	Bacterial subversion of NLR-mediated immune responses. Frontiers in Immunology, 0, 13, .	2.2	4
1391	Molecular mechanisms and functions of pyroptosis in sepsis and sepsis-associated organ dysfunction. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	20
1392	CysLT2R Antagonist HAMI 3379 Ameliorates Post-Stroke Depression through NLRP3 Inflammasome/Pyroptosis Pathway in Gerbils. Brain Sciences, 2022, 12, 976.	1.1	5
1393	LDC7559 Exerts Neuroprotective Effects by Inhibiting GSDMD-Dependent Pyroptosis of Microglia in Mice with Traumatic Brain Injury. Journal of Neurotrauma, 2023, 40, 742-757.	1.7	6
1394	Multi-Omics Analysis Reveals the Protection of Gasdermin D in Concanavalin A-Induced Autoimmune Hepatitis. Microbiology Spectrum, 2022, 10, .	1.2	3
1395	NLRP3-mediated inflammation in cardio-oncology: sterile yet harmful. Translational Research, 2023, 252, 9-20.	2.2	7

#	ARTICLE	IF	CITATIONS
1396	Immunostimulatory Polymers as Adjuvants, Immunotherapies, and Delivery Systems. <i>Macromolecules</i> , 2022, 55, 6913-6937.	2.2	20
1400	N6-adenomethylation of GsdmC is essential for Lgr5+ stem cell survival to maintain normal colonic epithelial morphogenesis. <i>Developmental Cell</i> , 2022, 57, 1976-1994.e8.	3.1	12
1401	Review: the role of GSDMD in sepsis. <i>Inflammation Research</i> , 2022, 71, 1191-1202.	1.6	5
1402	Role of NLRP3 Inflammasome in Parkinson's Disease and Therapeutic Considerations. <i>Journal of Parkinson's Disease</i> , 2022, 12, 2117-2133.	1.5	15
1403	The roles of cellular protease interactions in viral infections and programmed cell death: a lesson learned from the SARS-CoV-2 outbreak and COVID-19 pandemic. <i>Pharmacological Reports</i> , 2022, 74, 1149-1165.	1.5	5
1404	Cell death: All roads lead to mitochondria. <i>Current Biology</i> , 2022, 32, R891-R894.	1.8	6
1405	LncRNA HCG11 Accelerates Atherosclerosis via Regulating the miR-224-3p/JAK1 Axis. <i>Biochemical Genetics</i> , 0, , .	0.8	2
1406	circ-Katnal1 Enhances Inflammatory Pyroptosis in Sepsis-Induced Liver Injury through the miR-31-5p/GSDMD Axis. <i>Mediators of Inflammation</i> , 2022, 2022, 1-11.	1.4	8
1407	OxLDL induces the release of IL-1 $\beta$ from primed human endothelial and smooth muscle cells via different caspase -1-dependent mechanisms. <i>Vascular Biology (Bristol, England)</i> , 2022, 4, 11-18.	1.2	5
1408	Non-coding RNAs in necroptosis, pyroptosis, and ferroptosis in cardiovascular diseases. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	5
1409	Exploring the mechanism of action of Xuanfei Baidu granule (XFBD) in the treatment of COVID-19 based on molecular docking and molecular dynamics. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	4
1410	Aerobic exercise regulates FGF21 and NLRP3 inflammasome-mediated pyroptosis and inhibits atherosclerosis in mice. <i>PLoS ONE</i> , 2022, 17, e0273527.	1.1	12
1412	NLRP3 inflammasome in neurodegenerative disease. <i>Translational Research</i> , 2023, 252, 21-33.	2.2	25
1413	GASDERMIN AND ITS ROLE IN PYROPTOSIS. <i>Grail of Science</i> , 2022, , 207-209.	0.0	0
1414	Advances in cell death mechanisms involved in viral myocarditis. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
1415	Schisandrol B protects against cholestatic liver injury by inhibiting pyroptosis through pregnane X receptor. <i>Biochemical Pharmacology</i> , 2022, 204, 115222.	2.0	4
1416	Pyroptosis as a candidate therapeutic target for Alzheimer's disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	4
1417	NLRP3 Inflammasome/Pyroptosis: A Key Driving Force in Diabetic Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10632.	1.8	12

#	ARTICLE	IF	CITATIONS
1418	A bibliometric analysis of RNA methylation in diabetes mellitus and its complications from 2002 to 2022. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	10
1419	Role of nuclear receptor PXR in immune cells and inflammatory diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
1420	Pyroptosis and Its Role in the Modulation of Cancer Progression and Antitumor Immunity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10494.	1.8	7
1421	Pyroptosis in NLRP3 inflammasome-related atherosclerosis. <i>Cell Stress</i> , 2022, 6, 79-88.	1.4	8
1422	Reactive oxygen species-dependent-NLRP3 inflammasome activation in human neutrophils induced by l-amino acid oxidase derived from <i>Calloselasma rhodostoma</i> venom. <i>Life Sciences</i> , 2022, 308, 120962.	2.0	9
1423	linc00174 deteriorates the pathogenesis of diabetic retinopathy via miR-26a-5p/PTEN/Akt signalling cascade-mediated pyroptosis. <i>Biochemical and Biophysical Research Communications</i> , 2022, 630, 92-100.	1.0	6
1424	What role does pyroptosis play in cancer?. <i>Molecular Metabolism</i> , 2022, 65, 101587.	3.0	10
1425	Oxidative stress-related canonical pyroptosis pathway, as a target of liver toxicity triggered by zinc oxide nanoparticles. <i>Journal of Hazardous Materials</i> , 2023, 442, 130039.	6.5	17
1426	OTUD4-Mediated GSDME Deubiquitination Enhances Radiosensitivity in Nasopharyngeal Carcinoma by Inducing Pyroptosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1427	Cell Division/Death: Caspase-Regulated Mechanisms of Cell Death. , 2022, , .		0
1428	Pyroptosis-related gene expression patterns and corresponding tumor microenvironment infiltration characterization in ovarian cancer. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 5440-5452.	1.9	6
1429	Cardiac Inflammasome and Arrhythmia. , 2022, , 259-285.		0
1430	Impavido Attenuates Inflammation, Reduces Atherosclerosis, and Alters Gut Microbiota in Hyperlipidemic Mice. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1431	Simultaneous Detection of Inflammasome Activation and Membrane Damage During Pyroptosis. <i>Methods in Molecular Biology</i> , 2022, , 179-189.	0.4	0
1432	IL-18 Signaling Is Essential for Causing Streptococcal Toxic Shock-like Syndrome (STSLs). <i>Life</i> , 2022, 12, 1324.	1.1	1
1433	The induction of PANoptosis in KRAS-mutant pancreatic ductal adenocarcinoma cells by a multispecific platinum complex. <i>Science China Chemistry</i> , 2022, 65, 1978-1984.	4.2	5
1434	NOD1 induces pyroptotic cell death to aggravate liver ischemia-reperfusion injury in mice. <i>MedComm</i> , 2022, 3, .	3.1	4
1435	Translocation of gasdermin D induced mitochondrial injury and mitophagy mediated quality control in lipopolysaccharide related cardiomyocyte injury. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	2

#	ARTICLE	IF	CITATIONS
1436	The multifaceted roles of NLRP3-modulating proteins in virus infection. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
1437	Current understanding of osteoarthritis pathogenesis and relevant new approaches. <i>Bone Research</i> , 2022, 10, .	5.4	85
1438	Pyroptosis patterns of colon cancer could aid to estimate prognosis, microenvironment and immunotherapy: evidence from multi-omics analysis. <i>Aging</i> , 2022, 14, 7547-7567.	1.4	1
1439	Post-phagocytosis activation of NLRP3 inflammasome by two novel T6SS effectors. <i>ELife</i> , 0, 11, .	2.8	8
1440	Regulation of cGAS Activity and Downstream Signaling. <i>Cells</i> , 2022, 11, 2812.	1.8	7
1441	Pyroptosis: a novel signature to predict prognosis and immunotherapy response in gliomas. <i>Human Cell</i> , 2022, 35, 1976-1992.	1.2	2
1442	Identification of pyroptosis-related lncRNA signature and AC005253.1 as a pyroptosis-related oncogene in prostate cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	3
1443	Role of adiponectin in osteoarthritis. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	2
1444	Immune landscape and risk prediction based on pyroptosis-related molecular subtypes in triple-negative breast cancer. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
1445	Viral proteases activate the CARD8 inflammasome in the human cardiovascular system. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	18
1446	The Interplay Between Autophagy and Regulated Necrosis. <i>Antioxidants and Redox Signaling</i> , 0, , .	2.5	2
1447	Tanshinone IIA reduces pyroptosis in rats with coronary microembolization by inhibiting the TLR4/MyD88/NF- $\kappa$ B/NLRP3 pathway. <i>Korean Journal of Physiology and Pharmacology</i> , 2022, 26, 335-345.	0.6	4
1448	Pyroptosis in development, inflammation and disease. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	20
1449	Neutrophil Activated by the Famous and Potent PMA (Phorbol Myristate Acetate). <i>Cells</i> , 2022, 11, 2889.	1.8	22
1450	Pyroptosis correlates with tumor immunity and prognosis. <i>Communications Biology</i> , 2022, 5, .	2.0	9
1451	NLRP3 leucine-rich repeats control induced and spontaneous inflammasome activation in cryopyrin-associated periodic syndrome. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 151, 222-232.e9.	1.5	7
1452	Erbin protects against sepsis-associated encephalopathy by attenuating microglia pyroptosis via IRE1 $\alpha$ /Xbp1s-Ca $^{2+}$ axis. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	13
1453	Targeting Pyroptosis: New Insights into the Treatment of Diabetic Microvascular Complications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-11.	0.5	2

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1454	M2 Macrophage-Derived Exosomes Regulate Myocardial Ischemia-Reperfusion And Pyroptosis Via ROS/NLRP3 Pathway. <i>Heart Surgery Forum</i> , 2022, 25, E698-E708.	0.2	4
1455	The Role of NLRP3 Inflammasome in Diabetic Cardiomyopathy and Its Therapeutic Implications. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-19.	1.9	5
1456	Targeting innate immunity-driven inflammation in CKD and cardiovascular disease. <i>Nature Reviews Nephrology</i> , 2022, 18, 762-778.	4.1	51
1457	GSDMD contributes to myocardial reperfusion injury by regulating pyroptosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
1458	Does Pyroptosis Play a Role in Inflammasome-Related Disorders?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10453.	1.8	5
1459	Costunolide covalently targets NACHT domain of NLRP3 to inhibit inflammasome activation and alleviate NLRP3-driven inflammatory diseases. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 678-693.	5.7	16
1460	A potential new pathway for heparin treatment of sepsis-induced lung injury: inhibition of pulmonary endothelial cell pyroptosis by blocking hMGB1-LPS-induced caspase-11 activation. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	12
1461	RNA modifications in aging-associated cardiovascular diseases. <i>Aging</i> , 2022, 14, 8110-8136.	1.4	2
1462	P2X7 is expressed on human innate-like T lymphocytes and mediates susceptibility to ATP-induced cell death. <i>European Journal of Immunology</i> , 2022, 52, 1805-1818.	1.6	7
1464	Perspectives on the mechanism of pyroptosis after intracerebral hemorrhage. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	17
1465	GSDMD-mediated pyroptosis in retinal vascular inflammatory diseases: a review. <i>International Ophthalmology</i> , 2023, 43, 1405-1411.	0.6	5
1466	New-onset neuropsychiatric sequelae and long-COVID™ syndrome (Review). <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	0.8	7
1467	Lipopolysaccharide detection by the innate immune system may be an uncommon defence strategy used in nature. <i>Open Biology</i> , 2022, 12, .	1.5	16
1470	TLR9 Negatively Regulates Intracellular Bacterial Killing by Pyroptosis in <i>Burkholderia pseudomallei</i> Infected Mouse Macrophage Cell Line (Raw264.7). <i>Microbiology Spectrum</i> , 0, , .	1.2	1
1471	CDK1 serves as a therapeutic target of adrenocortical carcinoma via regulating epithelial-mesenchymal transition, G2/M phase transition, and PANoptosis. <i>Journal of Translational Medicine</i> , 2022, 20, .	1.8	27
1472	Lower expression of NINJ1 (Ninjurin 1), a mediator of plasma membrane rupture, is associated with advanced disease and worse prognosis in serous ovarian cancer. <i>Immunologic Research</i> , 2023, 71, 15-28.	1.3	9
1473	Vesicular stomatitis virus sensitizes immunologically cold tumors to checkpoint blockade by inducing pyroptosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166538.	1.8	4
1474	TRIM16 exerts protective function on myocardial ischemia/reperfusion injury through reducing pyroptosis and inflammation via NLRP3 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2022, 632, 122-128.	1.0	4

#	ARTICLE	IF	CITATIONS
1475	The geno-toxicological impacts of microplastic (MP) exposure on health: mechanistic pathways and research trends from a Chinese perspective. <i>Environmental Sciences: Processes and Impacts</i> , 2023, 25, 26-36.	1.7	3
1476	A novel signature based on pyroptosis-related genes for predicting prognosis and treatment response in prostate cancer patients. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	6
1477	Gasdermin D protects against <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> infection through macrophage pyroptosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
1478	Noncoding RNA-mediated regulation of pyroptotic cell death in cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	10
1479	Lung Inflammasome Activation in SARS-CoV-2 Post-Mortem Biopsies. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13033.	1.8	8
1480	NLRP1 in Cutaneous SCCs: An Example of the Complex Roles of Inflammasomes in Cancer Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12308.	1.8	2
1481	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
1482	Bibliometric and visual analysis of neutrophil extracellular traps from 2004 to 2022. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
1483	TRIM64 promotes ox-LDL-induced foam cell formation, pyroptosis, and inflammation in THP-1-derived macrophages by activating a feedback loop with NF- $\kappa$ B via I $\kappa$ B $\alpha$ ubiquitination. <i>Cell Biology and Toxicology</i> , 0, , .	2.4	1
1484	PANoptosis: A Unique Innate Immune Inflammatory Cell Death Modality. <i>Journal of Immunology</i> , 2022, 209, 1625-1633.	0.4	51
1485	Research Progress on the Role of Pyroptosis in Myocardial Ischemia-Reperfusion Injury. <i>Cells</i> , 2022, 11, 3271.	1.8	15
1486	The inflammasomes: crosstalk between innate immunity and hematology. <i>Inflammation Research</i> , 0, , .	1.6	0
1487	Salmonella as a Promising Curative Tool against Cancer. <i>Pharmaceutics</i> , 2022, 14, 2100.	2.0	12
1488	Novel lncRNA <i>prader willi/angelman region RNA</i> , SNRPN neighbour <i>PWARSN</i> aggravates tubular epithelial cell pyroptosis by regulating <i>TXNIP</i> via dual way in diabetic kidney disease. <i>Cell Proliferation</i> , 2023, 56, .	2.4	4
1489	Nanomedicine-Enabled/Augmented Cell Pyroptosis for Efficient Tumor Nanotherapy. <i>Advanced Science</i> , 2022, 9, .	5.6	28
1490	Gasdermin D maintains bone mass by rewiring the endo-lysosomal pathway of osteoclastic bone resorption. <i>Developmental Cell</i> , 2022, 57, 2365-2380.e8.	3.1	15
1491	An emerging role for stress granules in neurodegenerative disease and hearing loss. <i>Hearing Research</i> , 2022, 426, 108634.	0.9	5
1492	Methylphosphonane inhibits LPS/ATP-Induced Macrophage Pyroptosis via ROS/NLRP3 Pathway. <i>Molecular Biology</i> , 2023, 57, 105-112.	0.4	1

#	ARTICLE	IF	CITATIONS
1493	Electroacupuncture alleviates cognitive dysfunction and neuronal pyroptosis in septic mice. <i>Acupuncture in Medicine</i> , 2023, 41, 246-256.	0.4	4
1495	Biodegradable Metal-Organic-Frameworks-Mediated Protein Delivery Enables Intracellular Cascade Biocatalysis and Pyroptosis <i>in Vivo</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 47472-47481.	4.0	10
1496	GSDMD-mediated NETosis promotes the development of acute respiratory distress syndrome. <i>European Journal of Immunology</i> , 2023, 53, .	1.6	12
1497	Nuclear translocation of Gasdermin D sensitizes colorectal cancer to chemotherapy in a pyroptosis-independent manner. <i>Oncogene</i> , 2022, 41, 5092-5106.	2.6	9
1498	Enhancing Gasdermin-induced tumor pyroptosis through preventing ESCRT-dependent cell membrane repair augments antitumor immune response. <i>Nature Communications</i> , 2022, 13, .	5.8	44
1499	Hunting down NLRP3 inflammasome: An executioner of radiation-induced injury. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
1500	GSK872 and necrostatin-1 protect retinal ganglion cells against necroptosis through inhibition of RIP1/RIP3/MLKL pathway in glutamate-induced retinal excitotoxic model of glaucoma. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	29
1501	Gasdermin D mediates endoplasmic reticulum stress via FAM134B to regulate cardiomyocyte autophagy and apoptosis in doxorubicin-induced cardiotoxicity. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	9
1502	Gasdermin D restricts anti-tumor immunity during PD-L1 checkpoint blockade. <i>Cell Reports</i> , 2022, 41, 111553.	2.9	9
1503	Treating inflammation to combat non-alcoholic fatty liver disease. <i>Journal of Endocrinology</i> , 2023, 256, .	1.2	21
1504	NLRP3-mediated pyroptosis in diabetic nephropathy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	8
1505	Obeticholic acid improved triptolide/lipopolysaccharide-induced hepatotoxicity by inhibiting caspase-1-mediated GSDMD pyroptosis pathway. <i>Journal of Applied Toxicology</i> , 2023, 43, 599-614.	1.4	1
1506	Fu Fang Zhen Zhu Tiao Zhi Capsules Protect against Myocardial Ischemia by Inhibiting Cardiomyocyte Pyroptosis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-15.	0.5	1
1508	The role of NLRP3 inflammasome in inflammation-related skeletal muscle atrophy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
1509	ROS-triggered endothelial cell death mechanisms: Focus on pyroptosis, parthanatos, and ferroptosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	84
1510	Emerging pyroptosis-engineered nanobiotechnologies regulate cancers and inflammatory diseases: A double-edged sword. <i>Matter</i> , 2022, 5, 3740-3774.	5.0	28
1511	Knockdown and mutation of Pou4f3 gene mutation promotes pyroptosis of cochleae in cisplatin-induced deafness mice by NLRP3/caspase-3/GSDME pathway. <i>Toxicology</i> , 2022, 482, 153368.	2.0	6
1512	Caspase-10 affects the pathogenesis of primary biliary cholangitis by regulating inflammatory cell death. <i>Journal of Autoimmunity</i> , 2022, 133, 102940.	3.0	3



#	ARTICLE	IF	CITATIONS
1513	Engineering 2D silicene-based core/shell nanomedicine for GSDME-induced synergistic pyroptosis and photonic hyperthermia of melanoma carcinoma. <i>Chemical Engineering Journal</i> , 2023, 454, 140175.	6.6	2
1514	Molecular mechanisms of cell death in bronchopulmonary dysplasia. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2023, 28, 39-54.	2.2	10
1515	Attenuation of experimental osteoarthritis with human adipose-derived mesenchymal stem cell therapy: inhibition of the pyroptosis in chondrocytes. <i>Inflammation Research</i> , 2023, 72, 89-105.	1.6	3
1516	Melatonin Alleviates the Oxygen-Glucose Deprivation/Reperfusion-Induced Pyroptosis of HEI-OC1 Cells and Cochlear Hair Cells via MT-1,2/Nrf2 (NFE2L2)/ROS/NLRP3 Pathway. <i>Molecular Neurobiology</i> , 2023, 60, 629-642.	1.9	5
1517	Sublytic gasdermin-D pores captured in atomistic molecular simulations. <i>ELife</i> , 0, 11, .	2.8	15
1518	Induction of pyroptotic cell death as a potential tool for cancer treatment. <i>Journal of Inflammation</i> , 2022, 19, .	1.5	8
1520	Pyroptosis: A Newly Discovered Therapeutic Target for Ischemia-Reperfusion Injury. <i>Biomolecules</i> , 2022, 12, 1625.	1.8	11
1521	The Ras GTPase-activating-like protein IQGAP1 bridges Gasdermin D to the ESCRT system to promote IL-1 $\beta$ release via exosomes. <i>EMBO Journal</i> , 2023, 42, .	3.5	10
1522	Oridonin Protects against Myocardial Ischemia-Reperfusion Injury by Inhibiting GSDMD-Mediated Pyroptosis. <i>Genes</i> , 2022, 13, 2133.	1.0	6
1523	Caspase-8 inactivation drives autophagy-dependent inflammasome activation in myeloid cells. <i>Science Advances</i> , 2022, 8, .	4.7	5
1524	The NLRP3 inflammasome: regulation by metabolic signals. <i>Trends in Immunology</i> , 2022, 43, 978-989.	2.9	20
1525	Necrosulfonamide ameliorates intestinal inflammation via inhibiting GSDMD-mediated pyroptosis and MLKL-mediated necroptosis. <i>Biochemical Pharmacology</i> , 2022, 206, 115338.	2.0	15
1526	Surface-fill H <sub>2</sub> S-releasing silk fibroin hydrogel for brain repair through the repression of neuronal pyroptosis. <i>Acta Biomaterialia</i> , 2022, 154, 259-274.	4.1	18
1527	Pyroptosis in spinal cord injury. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	7
1528	Chronic cold stress-induced myocardial injury: effects on oxidative stress, inflammation and pyroptosis. <i>Journal of Veterinary Science</i> , 2023, 24, .	0.5	2
1529	Pyroptosis in the lung and spleen of patients died from COVID-19. <i>European Journal of Inflammation</i> , 2022, 20, 1721727X2211406.	0.2	3
1530	Regulation of neutrophil NETosis by inflammasome. , 2023, , 539-552.		0
1531	Cellular signaling, molecular activation, and regulation of the AIM2 inflammasome. , 2023, , 93-108.		2

#	ARTICLE	IF	CITATIONS
1532	VX-765 attenuates silica-induced lung inflammatory injury and fibrosis by modulating alveolar macrophages pyroptosis in mice. <i>Ecotoxicology and Environmental Safety</i> , 2023, 249, 114359.	2.9	6
1533	Research progress on pyroptosis-mediated immune-inflammatory response in ischemic stroke and the role of natural plant components as regulator of pyroptosis: A review. <i>Biomedicine and Pharmacotherapy</i> , 2023, 157, 113999.	2.5	4
1534	Inflammasome formation and triggers. , 2023, , 17-32.		0
1535	Autophagy and the inflammasome. , 2023, , 159-178.		0
1536	Regulation of pyroptosis by inflammasomes. , 2023, , 489-497.		0
1537	Structural aspects of inflammasomes forming NOD-like receptors. , 2023, , 215-233.		1
1538	Apoptosis and inflammasome regulation. , 2023, , 511-524.		0
1539	Nanosonodynamic effect-promoted mitochondrial dysfunction augments calcium overload for Gasdermin E-induced pyroptotic antitumor therapy. <i>Chemical Engineering Journal</i> , 2023, 455, 140869.	6.6	2
1540	Upregulation of TXNIP contributes to granulosa cell dysfunction in polycystic ovary syndrome via activation of the NLRP3 inflammasome. <i>Molecular and Cellular Endocrinology</i> , 2023, 561, 111824.	1.6	4
1541	NLRP3 and Gut Microbiota Homeostasis: Progress in Research. <i>Cells</i> , 2022, 11, 3758.	1.8	11
1542	Roxadustat (FG-4592) protects against ischaemia-induced acute kidney injury via improving CD73 and decreasing AIM2 inflammasome activation. <i>Nephrology Dialysis Transplantation</i> , 2023, 38, 858-875.	0.4	7
1543	Pyroptosis: A new insight of non-small-cell lung cancer treatment. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	1
1544	Pyroptosis and Its Role in Cervical Cancer. <i>Cancers</i> , 2022, 14, 5764.	1.7	5
1546	Cryo-EM structures of the active NLRP3 inflammasome disc. <i>Nature</i> , 2023, 613, 595-600.	13.7	64
1548	RIPK1 and RIPK3 in antibacterial defence. <i>Biochemical Society Transactions</i> , 2022, 50, 1583-1594.	1.6	4
1549	Pyroptosis in Periprosthetic Osteolysis. <i>Biomolecules</i> , 2022, 12, 1733.	1.8	5
1550	Recent Advances in the Roles of MicroRNA and MicroRNA-Based Diagnosis in Neurodegenerative Diseases. <i>Biosensors</i> , 2022, 12, 1074.	2.3	6
1552	OTUD4-mediated GSDME deubiquitination enhances radiosensitivity in nasopharyngeal carcinoma by inducing pyroptosis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	3.5	14

#	ARTICLE	IF	CITATIONS
1553	Structure, biochemical function, and signaling mechanism of plant NLRs. <i>Molecular Plant</i> , 2023, 16, 75-95.	3.9	19
1554	Filoviruses: Innate Immunity, Inflammatory Cell Death, and Cytokines. <i>Pathogens</i> , 2022, 11, 1400.	1.2	4
1555	Pyroptosis in inflammatory bone diseases: Molecular insights and targeting strategies. <i>FASEB Journal</i> , 2022, 36, .	0.2	8
1556	Mitochondria and cell death-associated inflammation. <i>Cell Death and Differentiation</i> , 2023, 30, 304-312.	5.0	50
1557	Construction of Pyroptosis-Related Prognostic and Immune Infiltration Signature in Bladder Cancer. <i>Disease Markers</i> , 2022, 2022, 1-22.	0.6	2
1558	Identification of pyroptosis-related genes in neuropathic pain based on bioinformatics analysis. <i>Experimental and Therapeutic Medicine</i> , 2022, 25, .	0.8	1
1559	Identification of ZDHHC1 as a Pyroptosis Inducer and Potential Target in the Establishment of Pyroptosis-Related Signature in Localized Prostate Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-25.	1.9	2
1560	Nifuroxazide mitigates doxorubicin-induced cardiovascular injury: Insight into oxidative/NLRP3/GSDMD-mediated pyroptotic signaling modulation. <i>Life Sciences</i> , 2023, 314, 121311.	2.0	2
1561	Molecular mechanisms of neuronal death in brain injury after subarachnoid hemorrhage. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	19
1562	Gasdermins and pannexin-1 mediate pathways of chemotherapy-induced cell lysis in hematopoietic malignancies. <i>Science Signaling</i> , 2022, 15, .	1.6	7
1563	Elevated circulating levels of gasdermin D are related to acute myocardial infarction and pyroptosis. <i>BMC Cardiovascular Disorders</i> , 2022, 22, .	0.7	1
1564	Targeting cell death pathways for cancer therapy: recent developments in necroptosis, pyroptosis, ferroptosis, and cuproptosis research. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	6.9	138
1565	Upregulation of non-canonical and canonical inflammasome genes associates with pathological features in Krabbe disease and related disorders. <i>Human Molecular Genetics</i> , 2023, 32, 1361-1379.	1.4	2
1566	Pyroptosis relates to tumor microenvironment remodeling and prognosis: A pan-cancer perspective. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	13
1567	Mitophagy-promoting miR-138-5p promoter demethylation inhibits pyroptosis in sepsis-associated acute lung injury. <i>Inflammation Research</i> , 2023, 72, 329-346.	1.6	5
1568	Molecular Characteristics of Cell Pyroptosis and Its Inhibitors: A Review of Activation, Regulation, and Inhibitors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 16115.	1.8	6
1569	SARS-CoV-2 induces "cytokine storm" hyperinflammatory responses in RA patients through pyroptosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
1570	Pore-forming proteins as drivers of membrane permeabilization in cell death pathways. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 312-333.	16.1	48

#	ARTICLE	IF	CITATIONS
1571	T lymphocyte-mediated pyroptosis: A new regulatory mechanism in non-viral liver disease. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2023, 47, 102070.	0.7	1
1572	The Emerging Role of Deubiquitinases in Cell Death. <i>Biomolecules</i> , 2022, 12, 1825.	1.8	1
1573	A Novel Defined Pyroptosis-Related Gene Signature for the Prognosis of Acute Myeloid Leukemia. <i>Genes</i> , 2022, 13, 2281.	1.0	1
1574	Putting the p(hosphor) in pyroptosis. <i>Cell Host and Microbe</i> , 2022, 30, 1650-1652.	5.1	0
1575	An epithelial-immune circuit amplifies inflammasome and IL-6 responses to SARS-CoV-2. <i>Cell Host and Microbe</i> , 2023, 31, 243-259.e6.	5.1	20
1576	Guidelines for mouse and human DC functional assays. <i>European Journal of Immunology</i> , 2023, 53, .	1.6	1
1577	Enhanced Activity of NLRP3 Inflammasome in the Lung of Patients with Anti-Synthetase Syndrome. <i>Cells</i> , 2023, 12, 60.	1.8	3
1578	Pyroptosis, inflammasome, and gasdermins in tumor immunity. <i>Innate Immunity</i> , 2023, 29, 3-13.	1.1	13
1581	The Mechanism of Osteoprotegerin-Induced Osteoclast Pyroptosis In Vitro. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1518.	1.8	4
1582	Targeting Noncanonical Pyroptosis With a Small Molecular Inhibitor Alleviates Inflammation in the LPS-Induced Keratitis Mouse Model. , 2023, 64, 1.		1
1584	The role of pyroptosis in endothelial dysfunction induced by diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
1585	Effect of regulatory cell death on the occurrence and development of head and neck squamous cell carcinoma. <i>Biomarker Research</i> , 2023, 11, .	2.8	11
1586	The neuropeptide CGRP enters the macrophage cytosol to suppress the NLRP3 inflammasome during pulmonary infection. , 2023, 20, 264-276.		5
1588	Structural mechanisms of calmodulin activation of Shigella effector OspC3 to ADP-ribosylate caspase-4/11 and block pyroptosis. <i>Nature Structural and Molecular Biology</i> , 2023, 30, 261-272.	3.6	9
1589	Mitochondria-derived damage-associated molecular patterns and inflammation in the ischemic-reperfused heart. <i>Acta Physiologica</i> , 2023, 237, .	1.8	5
1590	<i>Leptospira interrogans</i> Prevents Macrophage Cell Death and Pyroptotic IL-1 $\beta$ Release through Its Atypical Lipopolysaccharide. <i>Journal of Immunology</i> , 2023, 210, 459-474.	0.4	6
1591	Biphasic JNK signaling reveals distinct MAP3K complexes licensing inflammasome formation and pyroptosis. <i>Cell Death and Differentiation</i> , 2023, 30, 589-604.	5.0	8
1592	CcGSDMEa functions the pore-formation in cytomembrane and the regulation on the secretion of IL-1 $\beta$ in common carp ( <i>Cyprinus carpio haematopterus</i> ). <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8

#	ARTICLE	IF	CITATIONS
1593	Non-canonical inflammasome activation mediates the adjuvanticity of nanoparticles. <i>Cell Reports Medicine</i> , 2023, 4, 100899.	3.3	5
1594	Protectin Conjugates in Tissue Regeneration 1 Inhibits Macrophage Pyroptosis by Restricting NLRP3 Inflammasome Assembly to Mitigate Sepsis via the cAMP-PKA Pathway. <i>Laboratory Investigation</i> , 2023, 103, 100028.	1.7	4
1595	Comprehensive genomic signature of pyroptosis-related genes and relevant characterization in hepatocellular carcinoma. <i>PeerJ</i> , 0, 11, e14691.	0.9	1
1596	Pyroptosis Provides New Strategies for the Treatment of Cancer. <i>Journal of Cancer</i> , 2023, 14, 140-151.	1.2	12
1597	Development of a novel pyroptosis-related LncRNA signature with multiple significance in acute myeloid leukemia. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	0
1598	Gasdermins and pyroptosis in the kidney. <i>Nature Reviews Nephrology</i> , 2023, 19, 337-350.	4.1	23
1599	Duck gasdermin E is a substrate of caspase-3/-7 and an executioner of pyroptosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
1600	Expansion of interferon inducible gene pool via USP18 inhibition promotes cancer cell pyroptosis. <i>Nature Communications</i> , 2023, 14, .	5.8	13
1601	Targeting Src reactivates pyroptosis to reverse chemoresistance in lung and pancreatic cancer models. <i>Science Translational Medicine</i> , 2023, 15, .	5.8	25
1602	Insights into the GSDMB-mediated cellular lysis and its targeting by IpaH7.8. <i>Nature Communications</i> , 2023, 14, .	5.8	18
1603	The NLRP3 inflammasome is a potential mechanism and therapeutic target for perioperative neurocognitive disorders. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	4
1604	Caspase-8-driven apoptotic and pyroptotic crosstalk causes cell death and IL-1 $\beta$ release in X-linked inhibitor of apoptosis (XIAP) deficiency. <i>EMBO Journal</i> , 2023, 42, .	3.5	12
1605	Protein engineering reveals that gasdermin A preferentially targets mitochondrial membranes over the plasma membrane during pyroptosis. <i>Journal of Biological Chemistry</i> , 2023, 299, 102908.	1.6	16
1606	Human TH17 cells engage gasdermin E pores to release IL-1 $\beta$ on NLRP3 inflammasome activation. <i>Nature Immunology</i> , 2023, 24, 295-308.	7.0	22
1608	AIM2 sensors mediate immunity to <i>Plasmodium</i> infection in hepatocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	4
1609	Assembly and Architecture of NLR Resistosomes and Inflammasomes. <i>Annual Review of Biophysics</i> , 2023, 52, 207-228.	4.5	11
1610	Cancer-associated pyroptosis: A new license to kill tumor. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	11
1611	Regulation of Synovial T Cell Ligand Expression by Mitochondrial Reactive Oxygen Species and Gasdermin-D. <i>Journal of Immunology</i> , 2023, 210, 61-71.	0.4	1

#	ARTICLE	IF	CITATIONS
1612	Tabersonine, a natural NLRP3 inhibitor, suppresses inflammasome activation in macrophages and attenuate NLRP3-driven diseases in mice. <i>Acta Pharmacologica Sinica</i> , 2023, 44, 1252-1261.	2.8	7
1613	Outer membrane vesicles from <i>Escherichia coli</i> are efficiently internalized by macrophage cells and alter their inflammatory response. <i>Microbial Pathogenesis</i> , 2023, 175, 105965.	1.3	3
1614	DBP and BaP co-exposure induces kidney injury via promoting pyroptosis of renal tubular epithelial cells in rats. <i>Chemosphere</i> , 2023, 314, 137714.	4.2	5
1615	Phenolic and quinone methide nor-triterpenes as selective NLRP3 inflammasome inhibitors. <i>Bioorganic Chemistry</i> , 2023, 132, 106362.	2.0	6
1616	Cytotoxic steroidal glycosides from the rhizomes of <i>Paris polyphylla</i> var. <i>yunnanensis</i> . <i>Phytochemistry</i> , 2023, 207, 113577.	1.4	5
1617	Zika virus cleaves GSDMD to disseminate prognosticable and controllable oncolysis in a human glioblastoma cell model. <i>Molecular Therapy - Oncolytics</i> , 2023, 28, 104-117.	2.0	6
1618	Natural flavonoid sinensetin inhibits cisplatin-induced pyroptosis and attenuates intestinal injury. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166637.	1.8	6
1619	Identification of a Small Molecule with Strong Anti-Inflammatory Activity in Experimental Autoimmune Encephalomyelitis and Sepsis through Blocking Gasdermin D Activation. <i>Journal of Immunology</i> , 2022, 209, 820-828.	0.4	6
1620	Molecular mechanisms and roles of pyroptosis in acute lung injury. <i>Chinese Medical Journal</i> , 2022, 135, 2417-2426.	0.9	3
1621	TRIM21 Regulates Virus-Induced Cell Pyroptosis through Polyubiquitination of ISG12a. <i>Journal of Immunology</i> , 2022, 209, 1987-1998.	0.4	6
1622	COVID-19 Mimics Pulmonary Dysfunction in Muscular Dystrophy as a Post-Acute Syndrome in Patients. <i>International Journal of Molecular Sciences</i> , 2023, 24, 287.	1.8	1
1623	Quercetin Inhibits Pyroptosis in Diabetic Cardiomyopathy through the Nrf2 Pathway. <i>Journal of Diabetes Research</i> , 2022, 2022, 1-11.	1.0	7
1624	Innate immune responses in COVID-19. , 2023, , 63-128.		0
1625	Regulation of Mesenchymal Cell Fate by Transfer of Active Gasdermin-D via Monocyte-Derived Extracellular Vesicles. <i>Journal of Immunology</i> , 2023, 210, 832-841.	0.4	2
1628	Pyroptosis in neutrophils: Multimodal integration of inflammasome and regulated cell death signaling pathways. <i>Immunological Reviews</i> , 2023, 314, 229-249.	2.8	16
1629	The role of pyroptosis in endothelial dysfunction induced by diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
1630	Pyroptosis in urinary malignancies: a literature review. <i>Discover Oncology</i> , 2023, 14, .	0.8	1
1631	Pharmacological Inhibition of the NLRP3 Inflammasome: Structure, Molecular Activation, and Inhibitor-NLRP3 Interaction. <i>Pharmacological Reviews</i> , 2023, 75, 487-520.	7.1	19

#	ARTICLE	IF	CITATIONS
1632	Ac-YVAD-cmk ameliorated sevoflurane-induced cognitive dysfunction and revised mitophagy impairment. <i>PLoS ONE</i> , 2023, 18, e0280914.	1.1	3
1633	Inflammasome activation by Gram-positive bacteria: Mechanisms of activation and regulation. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	7
1634	Latex derived from <i>Ficus carica</i> L. inhibited the growth of NSCLC by regulating the caspase/gasdermin/AKT signaling pathway. <i>Food and Function</i> , 0, , .	2.1	2
1635	The mechanism of NLRP3 inflammasome activation and its pharmacological inhibitors. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	17
1636	NET formation is independent of gasdermin D and pyroptotic cell death. <i>Science Signaling</i> , 2023, 16, .	1.6	21
1637	Pyroptosis-Related Signature Predicts the Progression of Ulcerative Colitis and Colitis-Associated Colorectal Cancer as well as the Anti-TNF Therapeutic Response. <i>Journal of Immunology Research</i> , 2023, 2023, 1-19.	0.9	2
1638	Gasdermin D pore-forming activity is redox-sensitive. <i>Cell Reports</i> , 2023, 42, 112008.	2.9	35
1639	Effect of <i>Aspergillus fumigatus</i> on infection in immunosuppressed rats. <i>Annals of Translational Medicine</i> , 2023, 11, 88-88.	0.7	0
1640	Pyroptosis-based risk score predicts prognosis and drug sensitivity in lung adenocarcinoma. <i>Open Medicine (Poland)</i> , 2023, 18, .	0.6	0
1641	Different Ways to Die: Cell Death Pathways and Their Association With Spinal Cord Injury. <i>Neurospine</i> , 2023, 20, 430-448.	1.1	6
1642	Structural basis for GSDMB pore formation and its targeting by IpaH7.8. <i>Nature</i> , 2023, 616, 590-597.	13.7	23
1644	The Protective Effects of Goitrin on LPS-Induced Septic Shock in C57BL/6J Mice via Caspase-11 Non-Canonical Inflammasome Inhibition. <i>Molecules</i> , 2023, 28, 2883.	1.7	1
1645	Microglial pyroptosis in hippocampus mediates sevoflurane-induced cognitive impairment in aged mice via ROS-NLRP3 inflammasome pathway. <i>International Immunopharmacology</i> , 2023, 116, 109725.	1.7	7
1647	The mechanisms and functions of TNF- $\alpha$ in intervertebral disc degeneration. <i>Experimental Gerontology</i> , 2023, 174, 112119.	1.2	9
1648	Non-coding RNAs as key players in the neurodegenerative diseases: Multi-platform strategies and approaches for exploring the Genome's dark matter. <i>Journal of Chemical Neuroanatomy</i> , 2023, 129, 102236.	1.0	0
1649	Oncolytic virotherapy: basic principles, recent advances and future directions. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	30
1650	Retinoic acid inhibits the pyroptosis of degenerated nucleus pulposus cells by activating Sirt1-SOD2 signaling. <i>Connective Tissue Research</i> , 2023, 64, 337-349.	1.1	0
1651	Glycolytic reprogramming controls periodontitis-associated macrophage pyroptosis via AMPK/SIRT1/NF- $\kappa$ B signaling pathway. <i>International Immunopharmacology</i> , 2023, 119, 110192.	1.7	3

#	ARTICLE	IF	CITATIONS
1652	Sodium tanshinone IIA sulfonate attenuates sepsis-associated brain injury via inhibiting NOD-like receptor 3/caspase-1/gasdermin D-mediated pyroptosis. <i>International Immunopharmacology</i> , 2023, 118, 110111.	1.7	4
1653	Anti-inflammatory effect of Danhong injection through inhibition of GSDMD-mediated pyroptosis. <i>Phytomedicine</i> , 2023, 113, 154743.	2.3	5
1654	Phage defense origin of animal immunity. <i>Current Opinion in Microbiology</i> , 2023, 73, 102295.	2.3	1
1655	Rapamycin suppresses neuroinflammation and protects retinal ganglion cell loss after optic nerve crush. <i>International Immunopharmacology</i> , 2023, 119, 110171.	1.7	4
1656	The role of dopamine in NLRP3 inflammasome inhibition: Implications for neurodegenerative diseases. <i>Ageing Research Reviews</i> , 2023, 87, 101907.	5.0	12
1657	Protective effect of the total flavonoids from <i>Clinopodium chinense</i> against LPS-induced mice endometritis by inhibiting NLRP3 inflammasome-mediated pyroptosis. <i>Journal of Ethnopharmacology</i> , 2023, 312, 116489.	2.0	7
1658	CTLA-4 blockade induces tumor pyroptosis via CD8+ T cells in head and neck squamous cell carcinoma. <i>Molecular Therapy</i> , 2023, 31, 2154-2168.	3.7	9
1659	Gasdermin D kills bacteria. <i>Microbiological Research</i> , 2023, 272, 127383.	2.5	2
1661	Dietary tryptophan supplementation enhances mitochondrial function and reduces pyroptosis in the spleen and thymus of piglets after lipopolysaccharide challenge. <i>Animal</i> , 2023, 17, 100714.	1.3	7
1662	Pentoxifylline and thiamine ameliorate rhabdomyolysis-induced acute kidney injury in rats via suppressing TLR4/NF- $\kappa$ B and NLRP-3/caspase-1/gasdermin mediated-pyroptosis. <i>Toxicology and Applied Pharmacology</i> , 2023, 461, 116387.	1.3	4
1664	Myeloid-cell-specific role of Gasdermin D in promoting lung cancer progression in mice. <i>IScience</i> , 2023, 26, 106076.	1.9	5
1665	ASC specks exacerbate $\alpha$ -synuclein pathology via amplifying NLRP3 inflammasome activities. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	2
1666	Gasdermin D represses inflammation-induced colon cancer development by regulating apoptosis. <i>Carcinogenesis</i> , 2023, 44, 341-349.	1.3	5
1667	Structural Mechanisms of NLRP3 Inflammasome Assembly and Activation. <i>Annual Review of Immunology</i> , 2023, 41, 301-316.	9.5	88
1668	Gasdermin D inhibition ameliorates neutrophil mediated brain damage in acute ischemic stroke. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	4
1670	Downregulation of miR-137 Facilitates CD4+ T Cell Pyroptosis in Systemic Lupus Erythematosus via Stimulating AMPK Pathway. <i>Journal of Immunology Research</i> , 2023, 2023, 1-11.	0.9	1
1671	Pyroptosis as a double-edged sword: The pathogenic and therapeutic roles in inflammatory diseases and cancers. <i>Life Sciences</i> , 2023, 318, 121498.	2.0	11
1672	The gasdermin protein family: emerging roles in gastrointestinal health and disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2023, 20, 366-387.	8.2	10



#	ARTICLE	IF	CITATIONS
1673	Role of Damage-Associated Molecular Patterns (DAMPS) in the Postoperative Period after Colorectal Surgery. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3862.	1.8	2
1674	P2X7 purinergic receptor: A potential target in heart diseases (Review). <i>Molecular Medicine Reports</i> , 2023, 27, .	1.1	1
1675	Oxidized mitochondrial DNA induces gasdermin D oligomerization in systemic lupus erythematosus. <i>Nature Communications</i> , 2023, 14, .	5.8	19
1677	Tetrahedral framework nucleic acid nanomaterials reduce the inflammatory damage in sepsis by inhibiting pyroptosis. <i>Cell Proliferation</i> , 2023, 56, .	2.4	9
1678	The role of G protein-coupled receptor in neutrophil dysfunction during sepsis-induced acute respiratory distress syndrome. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
1679	Antagonisms of ASFV towards Host Defense Mechanisms: Knowledge Gaps in Viral Immune Evasion and Pathogenesis. <i>Viruses</i> , 2023, 15, 574.	1.5	4
1681	Membrane damage and repair: a thin line between life and death. <i>Biological Chemistry</i> , 2023, 404, 467-490.	1.2	10
1682	Reconstitution of human pyroptotic cell death in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2023, 13, .	1.6	0
1683	Overexpression of CASP1 triggers acute promyelocytic leukemia cell pyroptosis and differentiation. <i>European Journal of Pharmacology</i> , 2023, 945, 175614.	1.7	4
1684	Targeting pyroptosis in breast cancer: biological functions and therapeutic potentials on It. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	5
1685	Mitochondrial DNA in cell death and inflammation. <i>Biochemical Society Transactions</i> , 2023, 51, 457-472.	1.6	5
1686	Caspase-6 is a key regulator of cross-talk signal way in PANoptosis in cancer. <i>Immunology</i> , 2023, 169, 245-259.	2.0	5
1687	Gasdermin-D activation promotes NLRP3 activation and host resistance to <i>Leishmania</i> infection. <i>Nature Communications</i> , 2023, 14, .	5.8	7
1688	The Pleiotropic Role of Extracellular ATP in Myocardial Remodelling. <i>Molecules</i> , 2023, 28, 2102.	1.7	0
1689	Pore-Forming Proteins: From Pore Assembly to Structure by Quantitative Single-Molecule Imaging. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4528.	1.8	3
1690	Ferroptosis-related metabolic mechanism and nanoparticulate anticancer drug delivery systems based on ferroptosis. <i>Saudi Pharmaceutical Journal</i> , 2023, 31, 554-568.	1.2	0
1692	Fighting age-related orthopedic diseases: focusing on ferroptosis. <i>Bone Research</i> , 2023, 11, .	5.4	28
1693	A novel pharmacological mechanism of anti-cancer drugs that induce pyroptosis. <i>Inflammopharmacology</i> , 2023, 31, 745-754.	1.9	4

#	ARTICLE	IF	CITATIONS
1694	Pyroptosis in platelets: Thrombocytopenia and inflammation. <i>Journal of Clinical Laboratory Analysis</i> , 2023, 37, .	0.9	7
1696	Immunogenic cell death in cancer immunotherapy. <i>BMB Reports</i> , 2023, 56, 275-286.	1.1	7
1697	Gasdermin-E mediates mitochondrial damage in axons and neurodegeneration. <i>Neuron</i> , 2023, 111, 1222-1240.e9.	3.8	22
1698	The CARD8 inflammasome in HIV infection. <i>Advances in Immunology</i> , 2023, , 59-100.	1.1	1
1699	Ginsenoside Rb1 alleviated concanavalin A-induced hepatocyte pyroptosis by activating mitophagy. <i>Food and Function</i> , 0, , .	2.1	2
1700	Differential expression of pyroptosis-related genes in the hippocampus of patients with Alzheimer's disease. <i>BMC Medical Genomics</i> , 2023, 16, .	0.7	1
1702	A novel risk score model based on pyroptosis-related genes for predicting survival and immunogenic landscape in hepatocellular carcinoma. <i>Aging</i> , 0, , .	1.4	1
1703	Inflammasomes driven inflammation in lung cancer revisited: a short review. <i>Exploration of Immunology</i> , 0, , 70-81.	1.7	0
1704	<i>Aim2</i> Deficiency Ameliorates Lacrimal Gland Destruction and Corneal Epithelium Defects in an Experimental Dry Eye Model. , 2023, 64, 26.		1
1705	CARD-only proteins regulate in vivo inflammasome responses and ameliorate gout. <i>Cell Reports</i> , 2023, 42, 112265.	2.9	3
1706	Involvement of inflammasomes in tumor microenvironment and tumor therapies. <i>Journal of Hematology and Oncology</i> , 2023, 16, .	6.9	13
1707	Pyroptosis and Airway Homeostasis Regulation. <i>Physiological Research</i> , 2023, 72, 1-13.	0.4	2
1708	Simultaneous positive and negative selection of proteases in bacterium based on cell suicide and antibiotic resistance. <i>Biotechnology Journal</i> , 0, , .	1.8	0
1709	Ribosome-rescuer PELO catalyzes the oligomeric assembly of NOD-like receptor family proteins via activating their ATPase enzymatic activity. <i>Immunity</i> , 2023, 56, 926-943.e7.	6.6	4
1710	The balance between gasdermin D and STING signaling shapes the severity of schistosome immunopathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	3
1711	Impavidio attenuates inflammation, reduces atherosclerosis, and alters gut microbiota in hyperlipidemic mice. <i>IScience</i> , 2023, 26, 106453.	1.9	2
1712	Neurochemical effects of sepsis on the brain. <i>Clinical Science</i> , 2023, 137, 401-414.	1.8	5
1713	Bucket lists must be completed during cell death. <i>Trends in Cell Biology</i> , 2023, 33, 803-815.	3.6	8

#	ARTICLE	IF	CITATIONS
1714	Immunometabolism at the crossroads of obesity and cancer—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2023, 1523, 38-50.	1.8	0
1715	Gasdermin A Is Required for Epidermal Cornification during Skin Barrier Regeneration and in an Atopic Dermatitis-Like Model. <i>Journal of Investigative Dermatology</i> , 2023, 143, 1735-1745.e11.	0.3	7
1716	Purinergic receptor P2X7 contributes to abdominal aortic aneurysm development via modulating macrophage pyroptosis and inflammation. <i>Translational Research</i> , 2023, 258, 72-85.	2.2	3
1717	The NLR gene family: from discovery to present day. <i>Nature Reviews Immunology</i> , 2023, 23, 635-654.	10.6	23
1718	Inflammation macrophages contribute to cardiac homeostasis. <i>Cardiology Plus</i> , 0, Publish Ahead of Print, .	0.2	1
1719	Neutrophils in Health and Disease: From Receptor Sensing to Inflammasome Activation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6340.	1.8	1
1720	Crosstalk Between Cholesterol, ABC Transporters, and PIP2 in Inflammation and Atherosclerosis. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 353-377.	0.8	3
1721	Structural mechanisms for regulation of GSDMB pore-forming activity. <i>Nature</i> , 2023, 616, 598-605.	13.7	37
1722	Progesterone prevents HGSOc by promoting precancerous cell pyroptosis via inducing fibroblast paracrine. <i>IScience</i> , 2023, 26, 106523.	1.9	3
1723	Systematic pan-cancer analysis identifies gasdermin B as an immunological and prognostic biomarker for kidney renal clear cell carcinoma. <i>Frontiers in Oncology</i> , 0, 13, .	1.3	0
1724	Enterovirus 71 induces pyroptosis of human neuroblastoma SH-SY5Y cells through miR-146a/ CXCR4 axis. <i>Heliyon</i> , 2023, 9, e15014.	1.4	2
1726	A novel pyroptosis-related prognostic signature for lung adenocarcinoma: Identification and multi-angle verification. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	0
1727	<i>Shigella</i> IpaH9.8 limits GBP1-dependent LPS release from intracytosolic bacteria to suppress caspase-4 activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	11
1728	Inhibition of the pyroptosis-associated inflammasome pathway: The important potential mechanism of ginsenosides in ameliorating diabetes and its complications. <i>European Journal of Medicinal Chemistry</i> , 2023, 253, 115336.	2.6	3
1729	Pyroptosis and its role in cancer. <i>World Journal of Clinical Cases</i> , 0, 11, 2386-2395.	0.3	3
1730	Uncoupled pyroptosis and IL-1 $\beta$ secretion downstream of inflammasome signaling. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	9
1731	LPS-aggregating proteins GBP1 and GBP2 are each sufficient to enhance caspase-4 activation both in cellulo and in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	11
1732	Update of cellular responses to the efferocytosis of necroptosis and pyroptosis. <i>Cell Division</i> , 2023, 18, .	1.1	4

#	ARTICLE	IF	CITATIONS
1733	Regulation of gasdermins in pyroptosis and cytokine release. <i>Advances in Immunology</i> , 2023, , 75-106.	1.1	1
1734	Roles of Pyroptosis-Related Genes in the Diagnosis and Subtype Classification of Periodontitis. <i>Journal of Immunology Research</i> , 2023, 2023, 1-18.	0.9	0
1736	Gasdermins gone wild: new roles for GSDMs in regulating cellular homeostasis. <i>Trends in Cell Biology</i> , 2023, 33, 773-787.	3.6	9
1737	BAK-Mediated Pyroptosis Promotes Japanese Encephalitis Virus Proliferation in Porcine Kidney 15 Cells. <i>Viruses</i> , 2023, 15, 974.	1.5	2
1738	Microglial and Neuronal Cell Pyroptosis Induced by Oxygen-Glucose Deprivation/Reoxygenation Aggravates Cell Injury via Activation of the Caspase-1/GSDMD Signaling Pathway. <i>Neurochemical Research</i> , 0, , .	1.6	1
1739	Panax Notoginseng Saponins Alleviate LPS-induced Fibrosis of HK-2 Cells by Inhibiting the Activation of NLRP3 Inflammasome and Pyroptosis. <i>Current Pharmaceutical Biotechnology</i> , 2023, 24, .	0.9	1
1740	Pyroptotic gasdermin exists in Mollusca and is vital to eliminating bacterial infection. <i>Cell Reports</i> , 2023, 42, 112414.	2.9	5
1741	Bibliometric analysis and mini-review of global research on pyroptosis in the field of cancer. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 0, , .	2.2	0
1742	NLRP3 inflammasome as a sensor of micro- and nanoplastics immunotoxicity. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	4
1743	Molecular Mechanisms of Pyroptosis. <i>Methods in Molecular Biology</i> , 2023, , 1-16.	0.4	1
1744	Biochemical Methods for Assessing Gasdermin D Inactivation in Macrophages. <i>Methods in Molecular Biology</i> , 2023, , 125-133.	0.4	0
1745	Inducing Pyroptosis Via the Pylrin Inflammasome. <i>Methods in Molecular Biology</i> , 2023, , 37-47.	0.4	0
1746	GSDMD in peripheral myeloid cells regulates microglial immune training and neuroinflammation in Parkinson's disease. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 2663-2679.	5.7	2
1747	Characterization of <i>serotonin</i> signaling pathways and its role in cell survival. <i>FASEB Journal</i> , 2023, 37, .	0.2	2
1750	Elamipretide reduces pyroptosis and improves functional recovery after spinal cord injury. <i>CNS Neuroscience and Therapeutics</i> , 2023, 29, 2843-2856.	1.9	1
1753	Regulation of phospholipid distribution in the lipid bilayer by flippases and scramblases. <i>Nature Reviews Molecular Cell Biology</i> , 2023, 24, 576-596.	16.1	31
1787	Molecular mechanisms of gasdermin D pore-forming activity. <i>Nature Immunology</i> , 2023, 24, 1064-1075.	7.0	26
1805	Apoptosis, necrosis, and other forms of cell death. , 2024, , 749-759.		0

#	ARTICLE	IF	CITATIONS
1816	Targeting pyroptosis as a preventive and therapeutic approach for stroke. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	18
1845	Molecular regulation and therapeutic implications of cell death in pulmonary hypertension. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	6
1878	The therapeutic potential of targeting regulated non-apoptotic cell death. <i>Nature Reviews Drug Discovery</i> , 2023, 22, 723-742.	21.5	30
1887	Determination of Gasdermin Pores. <i>Methods in Molecular Biology</i> , 2023, , 149-167.	0.4	0
1888	Inflammasome-Independent Roles of NLR and ALR Family Members. <i>Methods in Molecular Biology</i> , 2023, , 29-45.	0.4	0
1910	Regulated cell death pathways and their roles in homeostasis, infection, inflammation, and tumorigenesis. <i>Experimental and Molecular Medicine</i> , 2023, 55, 1632-1643.	3.2	7
1913	Mitochondria-associated programmed cell death as a therapeutic target for age-related disease. <i>Experimental and Molecular Medicine</i> , 2023, 55, 1595-1619.	3.2	9
1918	A BODIPY-based fluorescent probe for simultaneous detection of H <sub>2</sub> O <sub>2</sub> and viscosity during the pyroptosis process. <i>Chemical Communications</i> , 2023, 59, 12775-12778.	2.2	1
1919	Oxidative Stress and Potential Antioxidant Therapies in Vitiligo: A Narrative Review. <i>Molecular Diagnosis and Therapy</i> , 2023, 27, 723-739.	1.6	3
1977	The role of the NLRP3 inflammasome and pyroptosis in cardiovascular diseases. <i>Nature Reviews Cardiology</i> , 0, , .	6.1	6
1980	New prospects of cancer therapy based on pyroptosis and pyroptosis inducers. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 0, , .	2.2	0
1989	Drugging the NLRP3 inflammasome: from signalling mechanisms to therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2024, 23, 43-66.	21.5	3
2030	ROS/Redox Signaling and Apoptosis/Necroptosis/Autophagy in Cancer. , 2023, , 133-172.		0
2031	A guide to cell death pathways. <i>Nature Reviews Molecular Cell Biology</i> , 0, , .	16.1	7
2059	Survival strategies of intracellular bacterial pathogens. , 2024, , 457-488.		1
2088	Severe pediatric COVID-19: a review from the clinical and immunopathophysiological perspectives. <i>World Journal of Pediatrics</i> , 0, , .	0.8	0
2097	Mechanisms and functions of protein S-acylation. <i>Nature Reviews Molecular Cell Biology</i> , 0, , .	16.1	1