

Novel role of PKR in inflammasome activation and HMGB1

Nature

488, 670-674

DOI: [10.1038/nature11290](https://doi.org/10.1038/nature11290)

Citation Report

#	ARTICLE	IF	CITATIONS
1	It Is Not Just Folklore: The Aqueous Extract of Mung Bean Coat Is Protective against Sepsis. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-10.	0.5	30
2	PKR-Dependent Inflammatory Signals. Science Signaling, 2012, 5, pe47.	1.6	86
3	Update on gout 2012. Joint Bone Spine, 2012, 79, 539-543.	0.8	21
4	Actualit�s sur la goutte en 2012. Revue Du Rhumatisme (Edition Francaise), 2012, 79, A22-A26.	0.0	1
5	Tumor immunity times out: TIM-3 and HMGB1. Nature Immunology, 2012, 13, 808-810.	7.0	96
6	Tanshinone IIA sodium sulfonate facilitates endocytic HMGB1 uptake. Biochemical Pharmacology, 2012, 84, 1492-1500.	2.0	48
7	TLR activation regulates damage-associated molecular pattern isoforms released during pyroptosis. EMBO Journal, 2012, 32, 86-99.	3.5	117
8	NLR activation takes a direct route. Trends in Biochemical Sciences, 2013, 38, 131-139.	3.7	33
9	Messenger RNA-based vaccines: progress, challenges, applications. Wiley Interdisciplinary Reviews RNA, 2013, 4, 737-749.	3.2	39
10	Expression of Concern: HMGB1 mediates splenomegaly and expansion of splenic CD11b+ L�C�C high inflammatory monocytes in murine sepsis survivors. Journal of Internal Medicine, 2013, 274, 381-390.	2.7	74
11	Control of oncogenesis by eIF2� phosphorylation: implications in PTEN and PI3K�Akt signaling and tumor treatment. Future Oncology, 2013, 9, 1005-1015.	1.1	26
12	ER stress-induced cell death mechanisms. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3460-3470.	1.9	1,562
13	Autophagy and Cellular Immune Responses. Immunity, 2013, 39, 211-227.	6.6	359
14	Immunity to viruses: learning from successful human vaccines. Immunological Reviews, 2013, 255, 243-255.	2.8	76
15	Cyclic�GMP and cyclic�AMP activate the NLRP3 inflammasome. EMBO Reports, 2013, 14, 900-906.	2.0	75
16	M�nage � Trois in stress: DAMPs, redox and autophagy. Seminars in Cancer Biology, 2013, 23, 380-390.	4.3	43
17	Interferon-stimulated genes and their role in controlling hepatitis C virus. Journal of Hepatology, 2013, 59, 1331-1341.	1.8	85
18	Pathogenesis of acute stroke and the role of inflammasomes. Ageing Research Reviews, 2013, 12, 941-966.	5.0	275

#	ARTICLE	IF	CITATIONS
19	The Therapeutic Potential of Modifying Inflammasomes and NOD-Like Receptors. <i>Pharmacological Reviews</i> , 2013, 65, 872-905.	7.1	143
20	Phosphorylation of the adaptor ASC acts as a molecular switch that controls the formation of speck-like aggregates and inflammasome activity. <i>Nature Immunology</i> , 2013, 14, 1247-1255.	7.0	305
21	Kinases conquer the inflammasomes. <i>Nature Immunology</i> , 2013, 14, 1207-1208.	7.0	17
22	The expanding role of NLRs in antiviral immunity. <i>Immunological Reviews</i> , 2013, 255, 13-24.	2.8	133
23	Ultraviolet light exposure stimulates HMGB1 release by keratinocytes. <i>Archives of Dermatological Research</i> , 2013, 305, 805-815.	1.1	40
24	Involvement of interleukin-1 β in the autophagic process of microglia: relevance to Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2013, 10, 151.	3.1	85
25	Mechanisms of NOD-like Receptor-Associated Inflammasome Activation. <i>Immunity</i> , 2013, 39, 432-441.	6.6	359
26	Canonical Nlrp3 Inflammasome Links Systemic Low-Grade Inflammation to Functional Decline in Aging. <i>Cell Metabolism</i> , 2013, 18, 519-532.	7.2	494
27	Policing the cytosolic bacterial-sensing inflammasome receptors and pathways. <i>Current Opinion in Immunology</i> , 2013, 25, 34-39.	2.4	9
28	Modulation of Double-Stranded RNA-Activated Protein Kinase in Insulin Sensitive Tissues of Obese Humans. <i>Obesity</i> , 2013, 21, 2452-2457.	1.5	41
29	Cloning, expression and functional analysis of PKR from grass carp (<i>Ctenopharyngodon idellus</i>). <i>Fish and Shellfish Immunology</i> , 2013, 35, 1874-1881.	1.6	21
30	Recognition of Bacteria by Inflammasomes. <i>Annual Review of Immunology</i> , 2013, 31, 73-106.	9.5	367
31	Beyond pattern recognition: NOD-like receptors in dendritic cells. <i>Trends in Immunology</i> , 2013, 34, 224-233.	2.9	69
32	The many faces of HMGB1: molecular structure-functional activity in inflammation, apoptosis, and chemotaxis. <i>Journal of Leukocyte Biology</i> , 2013, 93, 865-873.	1.5	449
33	Role of caspase-1 in regulation of triglyceride metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4810-4815.	3.3	64
34	Diversion of stress granules and P-bodies during viral infection. <i>Virology</i> , 2013, 436, 255-267.	1.1	178
35	Regulation of HMGB1 release by inflammasomes. <i>Protein and Cell</i> , 2013, 4, 163-167.	4.8	144
36	Inflammasomes and host defenses against bacterial infections. <i>Current Opinion in Microbiology</i> , 2013, 16, 23-31.	2.3	141

#	ARTICLE	IF	CITATIONS
37	Regulation of stress granules and Pâ€bodies during RNA virus infection. Wiley Interdisciplinary Reviews RNA, 2013, 4, 317-331.	3.2	100
38	Cellular and molecular mechanisms of age-related macular degeneration: From impaired autophagy to neovascularization. International Journal of Biochemistry and Cell Biology, 2013, 45, 1457-1467.	1.2	66
39	Mapping the crossroads of immune activation and cellular stress response pathways. EMBO Journal, 2013, 32, 1214-1224.	3.5	113
40	The inflammasome and danger associated molecular patterns (DAMPs) are implicated in cytokine and chemokine responses following stressor exposure. Brain, Behavior, and Immunity, 2013, 28, 54-62.	2.0	135
41	Activation and regulation of the inflammasomes. Nature Reviews Immunology, 2013, 13, 397-411.	10.6	2,373
42	Targeting inflammasomes in rheumatic diseases. Nature Reviews Rheumatology, 2013, 9, 391-399.	3.5	26
43	Chemical genetics reveals a kinase-independent role for protein kinase R in pyroptosis. Nature Chemical Biology, 2013, 9, 398-405.	3.9	76
44	Caspases and immunity in a deadly grip. Trends in Immunology, 2013, 34, 41-49.	2.9	17
45	Modulatory mechanisms controlling the NLRP3 inflammasome in inflammation: recent developments. Current Opinion in Immunology, 2013, 25, 40-45.	2.4	187
46	PKR stirs up inflammasomes. Cell Research, 2013, 23, 168-170.	5.7	11
47	TLR4 as receptor for HMGB1-mediated acute lung injury after liver ischemia/reperfusion injury. Laboratory Investigation, 2013, 93, 792-800.	1.7	76
48	High mobility group box 1 prolongs inflammation and worsens disease in pneumococcal meningitis. Brain, 2013, 136, 1746-1759.	3.7	34
49	An Update on PYRIN Domain-Containing Pattern Recognition Receptors: From Immunity to Pathology. Frontiers in Immunology, 2013, 4, 440.	2.2	89
50	Microarray-based gene expression profiling in patients with cryopyrin-associated periodic syndromes defines a disease-related signature and IL-1-responsive transcripts. Annals of the Rheumatic Diseases, 2013, 72, 1064-1070.	0.5	27
51	Unsolved Mysteries in NLR Biology. Frontiers in Immunology, 2013, 4, 285.	2.2	111
52	Licensing Adaptive Immunity by NOD-Like Receptors. Frontiers in Immunology, 2013, 4, 486.	2.2	50
53	Proapoptotic Chemotherapeutic Drugs Induce Noncanonical Processing and Release of IL-1 β via Caspase-8 in Dendritic Cells. Journal of Immunology, 2013, 191, 4789-4803.	0.4	101
54	STAT2. Jak-stat, 2013, 2, e23633.	2.2	28

#	ARTICLE	IF	CITATIONS
55	Receptor for Advanced Glycation End Products (RAGE) on iNKT Cells Mediates Lung Ischemia-Induced Reperfusion Injury. <i>American Journal of Transplantation</i> , 2013, 13, 2255-2267.	2.6	67
56	The protein kinase PKR is critical for LPS-induced iNOS production but dispensable for inflammasome activation in macrophages. <i>European Journal of Immunology</i> , 2013, 43, 1147-1152.	1.6	79
57	Strange attractors: DAMPs and autophagy link tumor cell death and immunity. <i>Cell Death and Disease</i> , 2013, 4, e966-e966.	2.7	155
58	PKR as a Regulator of Inflammasome Activation. <i>Journal of Bacteriology and Virology</i> , 2013, 43, 145.	0.0	0
59	Nonclassically Secreted Regulators of Angiogenesis. <i>Angiology: Open Access</i> , 2013, 01, 1000101.	0.1	8
60	Emerging Role of High-Mobility Group Box 1 (HMGB1) in Liver Diseases. <i>Molecular Medicine</i> , 2013, 19, 357-366.	1.9	98
61	Carbenoxolone Blocks Endotoxin-Induced Protein Kinase R (PKR) Activation and High Mobility Group Box 1 (HMGB1) Release. <i>Molecular Medicine</i> , 2013, 19, 203-211.	1.9	61
62	Identification of Pharmacological Modulators of HMGB1-Induced Inflammatory Response by Cell-Based Screening. <i>PLoS ONE</i> , 2013, 8, e65994.	1.1	31
63	NLRP3 Inflammasome and Host Protection against Bacterial Infection. <i>Journal of Korean Medical Science</i> , 2013, 28, 1415.	1.1	86
64	TRAIL-R1 Is a Negative Regulator of Pro-Inflammatory Responses and Modulates Long-Term Sequelae Resulting from <i>Chlamydia trachomatis</i> Infections in Humans. <i>PLoS ONE</i> , 2014, 9, e93939.	1.1	15
65	Emerging Concepts about NAIP/NLRC4 Inflammasomes. <i>Frontiers in Immunology</i> , 2014, 5, 309.	2.2	53
66	Regulation of Intracellular dsDNA-Induced Innate Immune Responses by Autophagy-Related Proteins. , 2014, , 83-100.		1
67	The $\alpha 7$ Nicotinic Acetylcholine Receptor Agonist GTS-21 Improves Bacterial Clearance in Mice by Restoring Hyperoxia-Compromised Macrophage Function. <i>Molecular Medicine</i> , 2014, 20, 238-247.	1.9	46
68	Extracellular High-Mobility Group Box 1 Protein (HMGB1) as a Mediator of Persistent Pain. <i>Molecular Medicine</i> , 2014, 20, 569-578.	1.9	83
69	High Systemic Levels of the Cytokine-Inducing HMGB1 Isoform Secreted in Severe Macrophage Activation Syndrome. <i>Molecular Medicine</i> , 2014, 20, 538-547.	1.9	45
70	Cell Death and DAMPs in Acute Pancreatitis. <i>Molecular Medicine</i> , 2014, 20, 466-477.	1.9	119
71	$\alpha 7$ Nicotinic Acetylcholine Receptor Signaling Inhibits Inflammasome Activation by Preventing Mitochondrial DNA Release. <i>Molecular Medicine</i> , 2014, 20, 350-358.	1.9	169
72	Cellular Responses to Cytosolic Double-stranded RNA-The Role of the Inflammasome. <i>Immunology and Immunogenetics Insights</i> , 2014, 6, III.S17839.	1.0	2

#	ARTICLE	IF	CITATIONS
73	The Inflammasome and Its Regulation. <i>Critical Reviews in Immunology</i> , 2014, 34, 41-80.	1.0	48
74	Molecular mechanism and therapeutic modulation of high mobility group box 1 release and action: an updated review. <i>Expert Review of Clinical Immunology</i> , 2014, 10, 713-727.	1.3	124
75	Activation of Protein Kinase PKR Requires Dimerization-induced cis-Phosphorylation within the Activation Loop. <i>Journal of Biological Chemistry</i> , 2014, 289, 5747-5757.	1.6	42
76	The impact of PKR activation: from neurodegeneration to cancer. <i>FASEB Journal</i> , 2014, 28, 1965-1974.	0.2	90
77	Cytoplasmic RNA Granules and Viral Infection. <i>Annual Review of Virology</i> , 2014, 1, 147-170.	3.0	82
78	Bacterial RNA:DNA hybrids are activators of the NLRP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7765-7770.	3.3	92
79	Mechanisms and pathways of innate immune activation and regulation in health and cancer. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 3270-3285.	1.4	246
80	UVB Radiation Illuminates the Role of TLR3 in the Epidermis. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2315-2320.	0.3	17
81	Expression of Concern: The functions of HMGB1 depend on molecular localization and post-translational modifications. <i>Journal of Internal Medicine</i> , 2014, 276, 420-424.	2.7	80
82	Adaptive Gene Amplification As an Intermediate Step in the Expansion of Virus Host Range. <i>PLoS Pathogens</i> , 2014, 10, e1004002.	2.1	51
83	Programming of Fetal Insulin Resistance in Pregnancies with Maternal Obesity by ER Stress and Inflammation. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	46
84	Adsorption of the Inflammatory Mediator High-Mobility Group Box 1 by Polymers with Different Charge and Porosity. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	6
85	Inflammation as a target of minocycline: special interest in the regulation of inflammasome signaling. <i>Inflammasome</i> , 2014, 1, .	0.6	4
86	Therapeutic <i>In Situ</i> Autovaccination against Solid Cancers with Intratumoral Poly-ICLC: Case Report, Hypothesis, and Clinical Trial. <i>Cancer Immunology Research</i> , 2014, 2, 720-724.	1.6	112
87	The Inflammasomes in Autoinflammatory Diseases with Skin Involvement. <i>Journal of Investigative Dermatology</i> , 2014, 134, 1805-1810.	0.3	47
88	Protein Kinase R and the Inflammasome. <i>Journal of Interferon and Cytokine Research</i> , 2014, 34, 447-454.	0.5	41
89	NF90 Exerts Antiviral Activity through Regulation of PKR Phosphorylation and Stress Granules in Infected Cells. <i>Journal of Immunology</i> , 2014, 192, 3753-3764.	0.4	44
90	How macrophages ring the inflammation alarm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2866-2867.	3.3	38

#	ARTICLE	IF	CITATIONS
91	Epilepsy and the inflammasome: Targeting inflammation as a novel therapeutic strategy for seizure disorders. <i>Inflammasome</i> , 2014, 1, .	0.6	7
92	Complementary Induction of Immunogenic Cell Death by Oncolytic Parvovirus H-1PV and Gemcitabine in Pancreatic Cancer. <i>Journal of Virology</i> , 2014, 88, 5263-5276.	1.5	62
93	Immunogenicity of Dying Cancer Cells—The Inflammasome Connection. , 2014, , 203-219.		1
94	Biomarkers of liver cell death. <i>Journal of Hepatology</i> , 2014, 60, 1063-1074.	1.8	185
95	Intracellular Hmgb1 Inhibits Inflammatory Nucleosome Release and Limits Acute Pancreatitis in Mice. <i>Gastroenterology</i> , 2014, 146, 1097-1107.e8.	0.6	200
96	The application of RNAi-based treatments for inflammatory bowel disease. <i>Drug Delivery and Translational Research</i> , 2014, 4, 4-18.	3.0	12
97	Activation and Regulation of Cellular Inflammasomes: Gaps in Our Knowledge for Central Nervous System Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 369-375.	2.4	274
98	Sepsis: Current Dogma and New Perspectives. <i>Immunity</i> , 2014, 40, 463-475.	6.6	533
99	Macrophage endocytosis of high-mobility group box 1 triggers pyroptosis. <i>Cell Death and Differentiation</i> , 2014, 21, 1229-1239.	5.0	183
100	Leukocyte HMGB1 Is Required for Vessel Remodeling in Regenerating Muscles. <i>Journal of Immunology</i> , 2014, 192, 5257-5264.	0.4	39
101	Safety biomarkers for drug-induced liver injury — current status and future perspectives. <i>Toxicology Research</i> , 2014, 3, 75-85.	0.9	17
102	Caspase-1: The inflammasome and beyond. <i>Innate Immunity</i> , 2014, 20, 115-125.	1.1	178
103	The role of oxidative stress during inflammatory processes. <i>Biological Chemistry</i> , 2014, 395, 203-230.	1.2	469
104	Recognition of Herpes Simplex Viruses: Toll-Like Receptors and Beyond. <i>Journal of Molecular Biology</i> , 2014, 426, 1133-1147.	2.0	85
105	Targeting HMGB1 in the treatment of sepsis. <i>Expert Opinion on Therapeutic Targets</i> , 2014, 18, 257-268.	1.5	125
106	HIV-1 translation and its regulation by cellular factors PKR and PACT. <i>Virus Research</i> , 2014, 193, 65-77.	1.1	22
107	PARP-1 Mediates LPS-Induced HMGB1 Release by Macrophages through Regulation of HMGB1 Acetylation. <i>Journal of Immunology</i> , 2014, 193, 6114-6123.	0.4	93
108	Small-Molecule Inhibitors of PKR Improve Glucose Homeostasis in Obese Diabetic Mice. <i>Diabetes</i> , 2014, 63, 526-534.	0.3	56

#	ARTICLE	IF	CITATIONS
109	JAK/STAT1 signaling promotes HMGB1 hyperacetylation and nuclear translocation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3068-3073.	3.3	300
110	High Mobility Group Box-1 (HMGB1) Participates in the Pathogenesis of Alcoholic Liver Disease (ALD). Journal of Biological Chemistry, 2014, 289, 22672-22691.	1.6	131
111	Complement Opsonization of HIV-1 Results in Decreased Antiviral and Inflammatory Responses in Immature Dendritic Cells via CR3. Journal of Immunology, 2014, 193, 4590-4601.	0.4	44
112	The Lysosome Rupture-activated TAK1-JNK Pathway Regulates NLRP3 Inflammasome Activation. Journal of Biological Chemistry, 2014, 289, 32926-32936.	1.6	164
113	Double-Stranded RNA-Dependent Protein Kinase Deficiency Protects the Heart From Systolic Overload-Induced Congestive Heart Failure. Circulation, 2014, 129, 1397-1406.	1.6	41
114	HMGB1-DNA complex-induced autophagy limits AIM2 inflammasome activation through RAGE. Biochemical and Biophysical Research Communications, 2014, 450, 851-856.	1.0	61
115	Advances in Nod-like receptors (NLR) biology. Cytokine and Growth Factor Reviews, 2014, 25, 681-697.	3.2	78
116	High-mobility group box-1 and its role in angiogenesis. Journal of Leukocyte Biology, 2014, 95, 563-574.	1.5	83
117	3,4-Methylenedioxy- β -nitrostyrene Inhibits NLRP3 Inflammasome Activation by Blocking Assembly of the Inflammasome. Journal of Biological Chemistry, 2014, 289, 1142-1150.	1.6	216
118	HMGB1 in health and disease. Molecular Aspects of Medicine, 2014, 40, 1-116.	2.7	763
119	IPAF inflammasome is involved in interleukin-1 β production from astrocytes, induced by palmitate; implications for Alzheimer's Disease. Neurobiology of Aging, 2014, 35, 309-321.	1.5	82
120	High-mobility group box-1 in sterile inflammation. Journal of Internal Medicine, 2014, 276, 425-443.	2.7	171
121	Ambiguities in NLRP3 inflammasome regulation: Is there a role for mitochondria?. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1433-1440.	1.1	94
122	Role of ROS and HMGB1 in Contact Allergen-Induced IL-18 Production in Human Keratinocytes. Journal of Investigative Dermatology, 2014, 134, 2719-2727.	0.3	47
123	The complex role of inflammasomes in the pathogenesis of Inflammatory Bowel Diseases - Lessons learned from experimental models. Cytokine and Growth Factor Reviews, 2014, 25, 715-730.	3.2	54
124	Pyroptotic death storms and cytopenia. Current Opinion in Immunology, 2014, 26, 128-137.	2.4	55
125	New Insights into Mechanisms Controlling the NLRP3 Inflammasome and Its Role in Lung Disease. American Journal of Pathology, 2014, 184, 42-54.	1.9	170
126	The specific PKR inhibitor C16 prevents apoptosis and IL-1 β production in an acute excitotoxic rat model with a neuroinflammatory component. Neurochemistry International, 2014, 64, 73-83.	1.9	35

#	ARTICLE	IF	CITATIONS
127	Mechanisms and Functions of Inflammasomes. <i>Cell</i> , 2014, 157, 1013-1022.	13.5	1,999
128	Metabolism of Human Diseases. , 2014, , .		4
129	PKR mediated regulation of inflammation and IL-10 during viral encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 270, 1-12.	1.1	14
130	Danger signalling during cancer cell death: origins, plasticity and regulation. <i>Cell Death and Differentiation</i> , 2014, 21, 26-38.	5.0	187
131	Toll-like receptor 4: innate immune regulator of neuroimmune and neuroendocrine interactions in stress and major depressive disorder. <i>Frontiers in Neuroscience</i> , 2014, 8, 309.	1.4	88
132	Turning Off a Viral/Lipid Sensor Improves Type 2 Diabetes. <i>Diabetes</i> , 2014, 63, 393-395.	0.3	4
133	Instigation of endothelial Nlrp3 inflammasome by adipokine visfatin promotes interendothelial junction disruption: role of HMGB1. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 2715-2727.	1.6	89
134	Polymorphism in the NLRP3 inflammasome-associated EIF2AK2 gene and inflammatory bowel disease. <i>Molecular Medicine Reports</i> , 2015, 11, 4579-4584.	1.1	10
135	The complex cascade of cellular events governing inflammasome activation and IL-1 β processing in response to inhaled particles. <i>Particle and Fibre Toxicology</i> , 2015, 13, 40.	2.8	68
136	P2X7 receptor activation regulates rapid unconventional export of transglutaminase-2. <i>Journal of Cell Science</i> , 2015, 128, 4615-28.	1.2	34
137	Does AC stand for acylcarnitine, anticoagulant, or both?. <i>Blood</i> , 2015, 126, 1524-1525.	0.6	4
138	Nuclear, not cytoplasmic, PKR maneuvers in AML. <i>Blood</i> , 2015, 126, 1523-1524.	0.6	4
139	Neuroinflammation and A β Accumulation Linked To Systemic Inflammation Are Decreased By Genetic PKR Down-Regulation. <i>Scientific Reports</i> , 2015, 5, 8489.	1.6	70
140	HMGB1 promotes the activation of NLRP3 and caspase-8 inflammasomes via NF- κ B pathway in acute glaucoma. <i>Journal of Neuroinflammation</i> , 2015, 12, 137.	3.1	161
141	PKR deficiency alters E. coli-induced sickness behaviors but does not exacerbate neuroimmune responses or bacterial load. <i>Journal of Neuroinflammation</i> , 2015, 12, 212.	3.1	11
143	Using Small Molecules to Dissect Nonapoptotic Programmed Cell Death: Necroptosis, Ferroptosis, and Pyroptosis. <i>ChemBioChem</i> , 2015, 16, 2557-2561.	1.3	50
144	Hepatitis regulation by the inflammasome signaling pathway. <i>Immunological Reviews</i> , 2015, 265, 143-155.	2.8	32
145	PKR and HMGB1 expression and function in rheumatoid arthritis. <i>Genetics and Molecular Research</i> , 2015, 14, 17864-17870.	0.3	19

#	ARTICLE	IF	CITATIONS
146	Emerging roles for HMGB1 protein in immunity, inflammation, and cancer. <i>ImmunoTargets and Therapy</i> , 2015, 4, 101.	2.7	94
147	PYCARD (PYD and CARD domain containing). <i>Atlas of Genetics and Cytogenetics in Oncology and Haematology</i> , 2015, , .	0.1	2
148	Quantitative proteomics and bioinformatic analysis provide new insight into the dynamic response of porcine intestine to <i>Salmonella Typhimurium</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 64.	1.8	21
149	The Role of High Mobility Group Box 1 Protein (HMGB1) in the Immunopathology of Experimental Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2015, 10, e0133200.	1.1	14
150	Novel Mechanisms of Herbal Therapies for Inhibiting HMGB1 Secretion or Action. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	0.5	24
151	Inflammation and Oxidative Stress: The Molecular Connectivity between Insulin Resistance, Obesity, and Alzheimer's Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-17.	1.4	360
152	HMGB1 in Cell Death. , 0, , .		3
153	Serum Amyloid A Stimulates PKR Expression and HMGB1 Release Possibly through TLR4/RAGE Receptors. <i>Molecular Medicine</i> , 2015, 21, 515-525.	1.9	29
154	High Mobility Group Box Protein 1 (HMGB1): The Prototypical Endogenous Danger Molecule. <i>Molecular Medicine</i> , 2015, 21, S6-S12.	1.9	275
155	Xanthine oxidoreductase regulates macrophage IL1 β secretion upon NLRP3 inflammasome activation. <i>Nature Communications</i> , 2015, 6, 6555.	5.8	185
156	Phosphatidylinositol 3-kinases pathway mediates lung caspase-1 activation and high mobility group box 1 production in a toluene-diisocyanate induced murine asthma model. <i>Toxicology Letters</i> , 2015, 236, 25-33.	0.4	31
157	A Proteomics Perspective on Viral DNA Sensors in Host Defense and Viral Immune Evasion Mechanisms. <i>Journal of Molecular Biology</i> , 2015, 427, 1995-2012.	2.0	6
158	Bruton's tyrosine kinase is essential for NLRP3 inflammasome activation and contributes to ischaemic brain injury. <i>Nature Communications</i> , 2015, 6, 7360.	5.8	341
159	Citral alleviates an accelerated and severe lupus nephritis model by inhibiting the activation signal of NLRP3 inflammasome and enhancing Nrf2 activation. <i>Arthritis Research and Therapy</i> , 2015, 17, 331.	1.6	73
160	N-linked glycosylation plays a critical role for the secretion of HMGB1. <i>Journal of Cell Science</i> , 2016, 129, 29-38.	1.2	42
161	P2X7R is involved in the progression of atherosclerosis by promoting NLRP3 inflammasome activation. <i>International Journal of Molecular Medicine</i> , 2015, 35, 1179-1188.	1.8	117
162	NOD-Like Receptors: Versatile Cytosolic Sentinels. <i>Physiological Reviews</i> , 2015, 95, 149-178.	13.1	270
163	Caspase-1 Activity Is Required for UVB-Induced Apoptosis of Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1395-1404.	0.3	74

#	ARTICLE	IF	CITATIONS
164	The Inflammasome in Myocardial Injury and Cardiac Remodeling. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1146-1161.	2.5	129
165	The P2X7 receptor directly interacts with the NLRP3 inflammasome scaffold protein. <i>FASEB Journal</i> , 2015, 29, 2450-2461.	0.2	169
166	Mechanisms of inflammasome activation: recent advances and novel insights. <i>Trends in Cell Biology</i> , 2015, 25, 308-315.	3.6	408
167	Syk is involved in NLRP3 inflammasome-mediated caspase-1 activation through adaptor ASC phosphorylation and enhanced oligomerization. <i>Journal of Leukocyte Biology</i> , 2015, 97, 825-835.	1.5	113
168	Activation of RAW264.7 macrophages by the polysaccharide from the roots of <i>Actinidia eriantha</i> and its molecular mechanisms. <i>Carbohydrate Polymers</i> , 2015, 121, 388-402.	5.1	191
169	Inhibition of PKR impairs angiogenesis through a VEGF pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E518-E524.	1.8	10
170	Deficient PKR in RAX/PKR Association Ameliorates Ethanol-Induced Neurotoxicity in the Developing Cerebellum. <i>Cerebellum</i> , 2015, 14, 386-397.	1.4	23
171	Emerging role of high mobility group box 1 in ANCA-associated vasculitis. <i>Autoimmunity Reviews</i> , 2015, 14, 1057-1065.	2.5	27
172	The avian influenza vaccine Emerflu. Why did it fail?. <i>Expert Review of Vaccines</i> , 2015, 14, 1125-1134.	2.0	15
173	The Role of HMGB1 in Cardiovascular Biology: Danger Signals. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1351-1369.	2.5	62
174	HMGB1 gene polymorphism is associated with hypertension in Han Chinese population. <i>Clinical and Experimental Hypertension</i> , 2015, 37, 166-171.	0.5	13
175	Bacterial RNA: An Underestimated Stimulus for Innate Immune Responses. <i>Journal of Immunology</i> , 2015, 195, 411-418.	0.4	78
176	Sepsis: a roadmap for future research. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 581-614.	4.6	827
177	NALP3 inflammasome upregulation and CASP1 cleavage of the glucocorticoid receptor cause glucocorticoid resistance in leukemia cells. <i>Nature Genetics</i> , 2015, 47, 607-614.	9.4	126
178	Hepatocyte Nicotinamide Adenine Dinucleotide Phosphate Reduced Oxidase 4 Regulates Stress Signaling, Fibrosis, and Insulin Sensitivity During Development of Steatohepatitis in Mice. <i>Gastroenterology</i> , 2015, 149, 468-480.e10.	0.6	136
179	Involvement of high mobility group box 1 in the activation of C5a-primed neutrophils induced by ANCA. <i>Clinical Immunology</i> , 2015, 159, 47-57.	1.4	18
180	Oxidative stress-mediated HMGB1 biology. <i>Frontiers in Physiology</i> , 2015, 6, 93.	1.3	210
181	A Critical Role for PKR Complexes with TRBP in Immunometabolic Regulation and eIF2 \pm Phosphorylation in Obesity. <i>Cell Reports</i> , 2015, 11, 295-307.	2.9	49

#	ARTICLE	IF	CITATIONS
182	Regulation of PKR by RNA: Formation of Active and Inactive Dimers. <i>Biochemistry</i> , 2015, 54, 6663-6672.	1.2	20
183	Insulin treatment promotes tyrosine phosphorylation of PKR and inhibits polyIC induced PKR threonine phosphorylation. <i>Archives of Biochemistry and Biophysics</i> , 2015, 585, 98-108.	1.4	8
184	An ongoing search for potential targets and therapies for lethal sepsis. <i>Military Medical Research</i> , 2015, 2, 20.	1.9	10
185	Role of Extracellular Damage-Associated Molecular Pattern Molecules (DAMPs) as Mediators of Persistent Pain. <i>Progress in Molecular Biology and Translational Science</i> , 2015, 131, 251-279.	0.9	66
186	Curcumin attenuated acute <i>Propionibacterium acnes</i> -induced liver injury through inhibition of HMGB1 expression in mice. <i>International Immunopharmacology</i> , 2015, 24, 159-165.	1.7	24
187	The Compromise of Macrophage Functions by Hyperoxia Is Attenuated by Ethacrynic Acid via Inhibition of NF- κ B-Mediated Release of High-Mobility Group Box-1. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 171-182.	1.4	23
188	Microbe- and danger-induced inflammation. <i>Molecular Immunology</i> , 2015, 63, 127-133.	1.0	49
189	Antimicrobial inflammasomes: unified signalling against diverse bacterial pathogens. <i>Current Opinion in Microbiology</i> , 2015, 23, 32-41.	2.3	31
190	5-Fluorouracil causes leukocytes attraction in the peritoneal cavity by activating autophagy and HMGB1 release in colon carcinoma cells. <i>International Journal of Cancer</i> , 2015, 136, 1381-1389.	2.3	44
191	Innate Immune Responses and Cancer Metastasis. , 2016, , 133-164.		0
192	Hydroxysafflor Yellow A Inhibits LPS-Induced NLRP3 Inflammasome Activation via Binding to Xanthine Oxidase in Mouse RAW264.7 Macrophages. <i>Mediators of Inflammation</i> , 2016, 2016, 1-11.	1.4	19
193	Enterovirus Control of Translation and RNA Granule Stress Responses. <i>Viruses</i> , 2016, 8, 93.	1.5	32
194	Inflammasomes in non-alcoholic fatty liver disease. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 683-695.	3.0	17
195	<i>Fusobacterium nucleatum</i> infection of gingival epithelial cells leads to NLRP3 inflammasome-dependent secretion of IL-1 β and the danger signals ASC and HMGB1. <i>Cellular Microbiology</i> , 2016, 18, 970-981.	1.1	118
196	n-3 Fatty acids modulate the mRNA expression of the <i>Nlrp3</i> inflammasome and <i>Mtor</i> in the liver of rats fed with high-fat or high-fat/fructose diets. <i>Immunopharmacology and Immunotoxicology</i> , 2016, 38, 353-363.	1.1	25
198	Inhibition of PKR protects against H ₂ O ₂ -induced injury on neonatal cardiac myocytes by attenuating apoptosis and inflammation. <i>Scientific Reports</i> , 2016, 6, 38753.	1.6	22
199	p58IPK suppresses NLRP3 inflammasome activation and IL-1 β production via inhibition of PKR in macrophages. <i>Scientific Reports</i> , 2016, 6, 25013.	1.6	34
200	Actuating critical care therapeutics. <i>Journal of Critical Care</i> , 2016, 35, 90-95.	1.0	3

#	ARTICLE	IF	CITATIONS
201	The Receptor for Advanced Glycation End Products Activates the AIM2 Inflammasome in Acute Pancreatitis. <i>Journal of Immunology</i> , 2016, 196, 4331-4337.	0.4	50
202	Recent advances in biomarkers and therapeutic interventions for hepatic drug safety – false dawn or new horizon?. <i>Expert Opinion on Drug Safety</i> , 2016, 15, 625-634.	1.0	42
203	IRE1 α mediates PKR activation in response to <i>Chlamydia trachomatis</i> infection. <i>Microbes and Infection</i> , 2016, 18, 472-483.	1.0	31
204	Interferon-induced guanylate-binding proteins in inflammasome activation and host defense. <i>Nature Immunology</i> , 2016, 17, 481-489.	7.0	125
205	AIM2 inflammasome mediates Arsenic-induced secretion of IL-1 β and IL-18. <i>Oncolmmunology</i> , 2016, 5, e1160182.	2.1	15
206	Cell Signaling and Stress Responses. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a006072.	2.3	334
207	The modern interleukin-1 superfamily: Divergent roles in obesity. <i>Seminars in Immunology</i> , 2016, 28, 441-449.	2.7	26
208	Mechanism and Regulation of NLRP3 Inflammasome Activation. <i>Trends in Biochemical Sciences</i> , 2016, 41, 1012-1021.	3.7	1,993
209	Caspase-1 as a multifunctional inflammatory mediator: noncytokine maturation roles. <i>Journal of Leukocyte Biology</i> , 2016, 100, 961-967.	1.5	86
210	What Is the Pathobiology of Inflammation to Cell Death? Apoptosis, Necrosis, Necroptosis, Autophagic Cell Death, Pyroptosis, and NETosis. , 2016, , 81-106.		4
211	The Role of High Mobility Group Box 1 Protein in Interleukin-18-Induced Myofibroblastic Transition of Valvular Interstitial Cells. <i>Cardiology</i> , 2016, 135, 168-178.	0.6	14
212	HMGB1 blockade differentially impacts pulmonary inflammation and defense responses in poly(I:C)/LPS-exposed heart transplant mice. <i>Molecular Immunology</i> , 2016, 76, 80-89.	1.0	2
213	Regnase-1 in microglia negatively regulates high mobility group box 1-mediated inflammation and neuronal injury. <i>Scientific Reports</i> , 2016, 6, 24073.	1.6	19
214	Pyk2 activates the NLRP3 inflammasome by directly phosphorylating ASC and contributes to inflammasome-dependent peritonitis. <i>Scientific Reports</i> , 2016, 6, 36214.	1.6	70
215	Autophagy and Pattern Recognition Receptors. , 2016, , 21-41.		0
216	Contribution of redox-dependent activation of endothelial Nlrp3 inflammasomes to hyperglycemia-induced endothelial dysfunction. <i>Journal of Molecular Medicine</i> , 2016, 94, 1335-1347.	1.7	88
217	PKM2-dependent glycolysis promotes NLRP3 and AIM2 inflammasome activation. <i>Nature Communications</i> , 2016, 7, 13280.	5.8	356
218	Lipid signaling and lipotoxicity in metaflammation: indications for metabolic disease pathogenesis and treatment. <i>Journal of Lipid Research</i> , 2016, 57, 2099-2114.	2.0	340

#	ARTICLE	IF	CITATIONS
219	Fluoxetine Inhibits NLRP3 Inflammasome Activation: Implication in Depression. International Journal of Neuropsychopharmacology, 2016, 19, pyw037.	1.0	99
220	Inflammasomes: mechanism of assembly, regulation and signalling. Nature Reviews Immunology, 2016, 16, 407-420.	10.6	2,353
221	A core viral protein binds host nucleosomes to sequester immune danger signals. Nature, 2016, 535, 173-177.	13.7	110
222	Characterization of the Inflammatory Properties of Actively Released HMGB1 in Juvenile Idiopathic Arthritis. Antioxidants and Redox Signaling, 2016, 24, 605-619.	2.5	23
223	ER stress and development of type 1 diabetes. Journal of Investigative Medicine, 2016, 64, 2-6.	0.7	66
224	DAMP and DIC: The role of extracellular DNA and DNA-binding proteins in the pathogenesis of DIC. Blood Reviews, 2016, 30, 257-261.	2.8	139
225	The kinase activity of PKR represses inflammasome activity. Cell Research, 2016, 26, 367-379.	5.7	49
226	The Small Molecule Indirubin-3'-Oxime Inhibits Protein Kinase R: Antiapoptotic and Antioxidant Effect in Rat Cardiac Myocytes. Pharmacology, 2016, 97, 25-30.	0.9	20
227	Role of the Interdomain Linker in RNA-Activated Protein Kinase Activation. Biochemistry, 2016, 55, 253-261.	1.2	2
228	Mitochondrial Regulation of Inflammasome Activation in Chronic Obstructive Pulmonary Disease. Journal of Innate Immunity, 2016, 8, 121-128.	1.8	20
229	Sepsis and disseminated intravascular coagulation. Journal of Intensive Care, 2016, 4, 23.	1.3	115
230	PKR is not obligatory for high-fat diet-induced obesity and its associated metabolic and inflammatory complications. Nature Communications, 2016, 7, 10626.	5.8	26
231	The role of autophagy in modulation of neuroinflammation in microglia. Neuroscience, 2016, 319, 155-167.	1.1	148
232	RNase L and the NLRP3-inflammasome: An old merchant in a new trade. Cytokine and Growth Factor Reviews, 2016, 29, 63-70.	3.2	9
233	Tissue damage negatively regulates LPS-induced macrophage necroptosis. Cell Death and Differentiation, 2016, 23, 1428-1447.	5.0	63
234	Molecular mechanisms regulating NLRP3 inflammasome activation. Cellular and Molecular Immunology, 2016, 13, 148-159.	4.8	990
235	Biological Effects of Fibrous and Particulate Substances. Current Topics in Environmental Health and Preventive Medicine, 2016, , .	0.1	0
236	Inhibiting the Inflammasome: A Chemical Perspective. Journal of Medicinal Chemistry, 2016, 59, 1691-1710.	2.9	113

#	ARTICLE	IF	CITATIONS
237	Approaching a Unified Theory for Particle-Induced Inflammation. <i>Current Topics in Environmental Health and Preventive Medicine</i> , 2016, , 51-76.	0.1	11
238	Redox-Dependent HMGB1 Isoforms as Pivotal Co-Ordinators of Drug-Induced Liver Injury: Mechanistic Biomarkers and Therapeutic Targets. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 652-665.	2.5	24
239	Signaling cascades and inflammasome activation in microbial infections. <i>Inflammasome</i> , 2016, 2, .	0.6	4
240	Post-translational regulation of inflammasomes. <i>Cellular and Molecular Immunology</i> , 2017, 14, 65-79.	4.8	155
241	Inflammation in epileptogenesis after traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2017, 14, 10.	3.1	194
242	Protein synthesis inhibition and GADD34 control IFN α 2 heterogeneous expression in response to Ad α RNA. <i>EMBO Journal</i> , 2017, 36, 761-782.	3.5	64
243	The Bacterial T6SS Effector EvpP Prevents NLRP3 Inflammasome Activation by Inhibiting the Ca $^{2+}$ -Dependent MAPK-Jnk Pathway. <i>Cell Host and Microbe</i> , 2017, 21, 47-58.	5.1	138
244	Mechanism of Protein Kinase R Inhibition by Human Cytomegalovirus pTRS1. <i>Journal of Virology</i> , 2017, 91, .	1.5	15
245	Microbial recognition and danger signals in sepsis and trauma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2564-2573.	1.8	100
246	Novel involvement of miR-522-3p in high-mobility group box 1-induced prostaglandin reductase 1 expression and reduction of phagocytosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 625-633.	1.9	16
247	Epidermal keratinocytes sense dsRNA via the NLRP3 inflammasome, mediating interleukin (IL) α 12 and IL β 18 release. <i>Experimental Dermatology</i> , 2017, 26, 904-911.	1.4	36
248	The Canonical Inflammasome: A Macromolecular Complex Driving Inflammation. <i>Sub-Cellular Biochemistry</i> , 2017, 83, 43-73.	1.0	15
249	Inflammation, metaflammation and immunometabolic disorders. <i>Nature</i> , 2017, 542, 177-185.	13.7	1,502
250	Comparison of the Deacylase and Deacetylase Activity of Zinc-Dependent HDACs. <i>ACS Chemical Biology</i> , 2017, 12, 1644-1655.	1.6	43
251	Inhibition of PKR ameliorates lipopolysaccharide-induced acute lung injury by suppressing NF κ B pathway in mice. <i>Immunopharmacology and Immunotoxicology</i> , 2017, 39, 165-172.	1.1	23
252	Perpetual change: autophagy, the endothelium, and response to vascular injury. <i>Journal of Leukocyte Biology</i> , 2017, 102, 221-235.	1.5	27
253	Roles of High Mobility Group Box 1 in Cardiovascular Calcification. <i>Cellular Physiology and Biochemistry</i> , 2017, 42, 427-440.	1.1	26
254	High glucose impairs insulin signaling via activation of PKR pathway in L6 muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 645-651.	1.0	16

#	ARTICLE	IF	CITATIONS
255	Macrophage Immunometabolism: Where Are We (Going)?. Trends in Immunology, 2017, 38, 395-406.	2.9	758
256	Impact of Bariatric Surgery on White Adipose Tissue Inflammation. Canadian Journal of Diabetes, 2017, 41, 407-417.	0.4	30
257	PKR induces the expression of NLRP3 by regulating the NF- κ B pathway in Porphyromonas gingivalis-infected osteoblasts. Experimental Cell Research, 2017, 354, 57-64.	1.2	36
258	Nucleic Acid Immunity. Advances in Immunology, 2017, 133, 121-169.	1.1	205
259	Protein Kinase R Mediates the Inflammatory Response Induced by Hyperosmotic Stress. Molecular and Cellular Biology, 2017, 37, .	1.1	14
260	Emerging role of HMGB1 in lung diseases: friend or foe. Journal of Cellular and Molecular Medicine, 2017, 21, 1046-1057.	1.6	69
261	A brain in flame; do inflammasomes and pyroptosis influence stroke pathology?. Brain Pathology, 2017, 27, 205-212.	2.1	119
262	Double-stranded RNA-dependent protein kinase signalling and paradigms of cardiometabolic syndrome. Fundamental and Clinical Pharmacology, 2017, 31, 265-279.	1.0	6
263	NLRP3 inflammasome pathways in atherosclerosis. Atherosclerosis, 2017, 267, 127-138.	0.4	167
264	NLRP3 Phosphorylation Is an Essential Priming Event for Inflammasome Activation. Molecular Cell, 2017, 68, 185-197.e6.	4.5	334
265	NLRX1 promotes immediate IRF1-directed antiviral responses by limiting dsRNA-activated translational inhibition mediated by PKR. Nature Immunology, 2017, 18, 1299-1309.	7.0	65
266	Identification of a selective and direct NLRP3 inhibitor to treat inflammatory disorders. Journal of Experimental Medicine, 2017, 214, 3219-3238.	4.2	485
267	Blood purification treatment initiated at the time of sepsis diagnosis effectively attenuates serum HMGB1 upregulation and improves patient prognosis. Experimental and Therapeutic Medicine, 2017, 14, 3029-3035.	0.8	11
268	Foundations of Immunometabolism and Implications for Metabolic Health and Disease. Immunity, 2017, 47, 406-420.	6.6	340
269	Interplay Between ω 3 and ω 6 Long-Chain Polyunsaturated Fatty Acids and the Endocannabinoid System in Brain Protection and Repair. Lipids, 2017, 52, 885-900.	0.7	62
270	Targeting danger molecules in tendinopathy: the HMGB1/TLR4 axis. RMD Open, 2017, 3, e000456.	1.8	33
271	Posttranslational Modification Control of Inflammatory Signaling. Advances in Experimental Medicine and Biology, 2017, 1024, 37-61.	0.8	9
272	Protein kinase D at the Golgi controls NLRP3 inflammasome activation. Journal of Experimental Medicine, 2017, 214, 2671-2693.	4.2	197

#	ARTICLE	IF	CITATIONS
273	Clinical and therapeutic potential of protein kinase PKR in cancer and metabolism. Expert Reviews in Molecular Medicine, 2017, 19, e9.	1.6	29
274	Molecules, Systems and Signaling in Liver Injury. , 2017, , .		0
275	Nuclear DAMPs in Hepatic Injury and Inflammation. , 2017, , 133-158.		0
276	Harnessing Apoptotic Cells for Transplantation Tolerance: Current Status and Future Perspectives. Current Transplantation Reports, 2017, 4, 270-279.	0.9	4
277	Inflammasome activation and assembly at a glance. Journal of Cell Science, 2017, 130, 3955-3963.	1.2	331
278	Clonidine restores vascular endothelial growth factor expression and improves tissue repair following severe trauma. American Journal of Surgery, 2017, 214, 610-615.	0.9	4
279	Inflammasomes on the Crossroads of Innate Immune Recognition and Metabolic Control. Cell Metabolism, 2017, 26, 71-93.	7.2	223
280	How Reactive Metabolites Induce an Immune Response That Sometimes Leads to an Idiosyncratic Drug Reaction. Chemical Research in Toxicology, 2017, 30, 295-314.	1.7	109
281	Thrombomodulin Attenuates Inflammatory Damage Due to Liver Ischemia and Reperfusion Injury in Mice in Toll-Like Receptor 4-Dependent Manner. American Journal of Transplantation, 2017, 17, 69-80.	2.6	50
282	NLRP3 Inflammasome as a Molecular Marker in Diabetic Cardiomyopathy. Frontiers in Physiology, 2017, 8, 519.	1.3	144
283	NLRP3 Inflammasome in Neurological Diseases, from Functions to Therapies. Frontiers in Cellular Neuroscience, 2017, 11, 63.	1.8	352
284	Sepsis-induced selective loss of NMDA receptors modulates hippocampal neuropathology in surviving septic mice. PLoS ONE, 2017, 12, e0188273.	1.1	36
285	Omega-3 polyunsaturated fatty acid supplementation attenuates microglial-induced inflammation by inhibiting the HMGB1/TLR4/NF- κ B pathway following experimental traumatic brain injury. Journal of Neuroinflammation, 2017, 14, 143.	3.1	179
286	PKR involvement in Alzheimer's disease. Alzheimer's Research and Therapy, 2017, 9, 83.	3.0	52
287	Inhibition of the inflammatory response to stress by targeting interaction between PKR and its cellular activator PACT. Scientific Reports, 2017, 7, 16129.	1.6	28
288	Protection by simvastatin on hyperglycemia-induced endothelial dysfunction through inhibiting NLRP3 inflammasomes. Oncotarget, 2017, 8, 91291-91305.	0.8	26
289	Immunologic Repercussions of Cell Death. , 2017, , 418-448.e6.		2
290	Novel aspects of the assembly and activation of inflammasomes with focus on the NLRC4 inflammasome. International Immunology, 2018, 30, 183-193.	1.8	19

#	ARTICLE	IF	CITATIONS
291	Expression profiling and microbial ligand binding analysis of high-mobility group box-1 (HMGB1) in turbot (<i>Scophthalmus maximus</i> L.). <i>Fish and Shellfish Immunology</i> , 2018, 78, 100-108.	1.6	15
292	Interleukin-enhanced binding factor 2 interacts with NLRP3 to inhibit the NLRP3 inflammasome activation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 398-404.	1.0	5
293	<sc>P</sc>arkin deficiency modulates <sc>NLRP</sc>3 inflammasome activation by attenuating an <sc>A</sc>20â€dependent negative feedback loop. <i>Glia</i> , 2018, 66, 1736-1751.	2.5	100
294	Targeting macrophage immunometabolism: Dawn in the darkness of sepsis. <i>International Immunopharmacology</i> , 2018, 58, 173-185.	1.7	98
295	ADAR1 and PKR, interferon stimulated genes with clashing effects on HIV-1 replication. <i>Cytokine and Growth Factor Reviews</i> , 2018, 40, 48-58.	3.2	25
296	Roles of protein kinase R in cancer: Potential as a therapeutic target. <i>Cancer Science</i> , 2018, 109, 919-925.	1.7	39
297	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
298	p81. , 2018, , 3766-3766.		0
299	PAR-2. , 2018, , 3785-3785.		0
300	PCS Phosphatase. , 2018, , 3803-3803.		0
301	PIPBP. , 2018, , 4023-4023.		0
302	POSTN. , 2018, , 4111-4111.		0
303	Protein I. , 2018, , 4216-4216.		0
304	PU.1. , 2018, , 4323-4323.		0
305	PVALB (Parvalbumin). , 2018, , 4323-4323.		0
306	PTPe (RPTPe and Cyt-PTPe). , 2018, , 4287-4294.		0
307	Evidence for dispensability of protein kinase R in host control of tuberculosis. <i>European Journal of Immunology</i> , 2018, 48, 612-620.	1.6	10
308	Historical aspects of studies on roles of the inflammasome in the pathogenesis of periodontal diseases. <i>Molecular Oral Microbiology</i> , 2018, 33, 203-211.	1.3	34

#	ARTICLE	IF	CITATIONS
309	Baicalein improves liver inflammation in diabetic db/db mice by regulating HMGB1/TLR4/NF- κ B signaling pathway. <i>International Immunopharmacology</i> , 2018, 55, 55-62.	1.7	53
310	Connexin 43 Hemichannel as a Novel Mediator of Sterile and Infectious Inflammatory Diseases. <i>Scientific Reports</i> , 2018, 8, 166.	1.6	50
311	Identification of ethyl pyruvate as a NLRP3 inflammasome inhibitor that preserves mitochondrial integrity. <i>Molecular Medicine</i> , 2018, 24, 8.	1.9	29
312	Regulation of alveolar macrophage death in acute lung inflammation. <i>Respiratory Research</i> , 2018, 19, 50.	1.4	174
313	Danger signals in trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 301-316.	0.8	46
314	The parasitic 68-mer peptide FhHDM-1 inhibits mixed granulocytic inflammation and airway hyperreactivity in experimental asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 2316-2319.	1.5	9
315	Cardiovascular diseases, NLRP3 inflammasome, and western dietary patterns. <i>Pharmacological Research</i> , 2018, 131, 44-50.	3.1	48
316	ROS signaling and ER stress in cardiovascular disease. <i>Molecular Aspects of Medicine</i> , 2018, 63, 18-29.	2.7	228
318	An Introduction to DILSym [®] Software, a Mechanistic Mathematical Representation of Drug-Induced Liver Injury. <i>Methods in Pharmacology and Toxicology</i> , 2018, , 101-121.	0.1	5
319	ATP/P2X7-NLRP3 axis of dendritic cells participates in the regulation of airway inflammation and hyper-responsiveness in asthma by mediating HMGB1 expression and secretion. <i>Experimental Cell Research</i> , 2018, 366, 1-15.	1.2	40
320	High-mobility group box 1 protein (HMGB1) operates as an alarmin outside as well as inside cells. <i>Seminars in Immunology</i> , 2018, 38, 40-48.	2.7	221
321	Chloroquine improves the response to ischemic muscle injury and increases HMGB1 after arterial ligation. <i>Journal of Vascular Surgery</i> , 2018, 67, 910-921.	0.6	11
322	NLRP3 inflammasome: Its regulation and involvement in atherosclerosis. <i>Journal of Cellular Physiology</i> , 2018, 233, 2116-2132.	2.0	355
323	Stearoyl Lysophosphatidylcholine Inhibits Endotoxin-Induced Caspase-11 Activation. <i>Shock</i> , 2018, 50, 339-345.	1.0	31
324	Endogenous ligands of TLR4 promote unresolving tissue fibrosis: Implications for systemic sclerosis and its targeted therapy. <i>Immunology Letters</i> , 2018, 195, 9-17.	1.1	53
325	High Mobility Group Box 1 is a novel pathogenic factor and a mechanistic biomarker for epilepsy. <i>Brain, Behavior, and Immunity</i> , 2018, 72, 14-21.	2.0	97
326	Review: Neuroinflammatory pathways as treatment targets and biomarker candidates in epilepsy: emerging evidence from preclinical and clinical studies. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 91-111.	1.8	186
327	Grass carp (<i>Ctenopharyngodon idella</i>) STAT3 regulates the eIF2 γ phosphorylation through interaction with PKR. <i>Developmental and Comparative Immunology</i> , 2018, 78, 26-34.	1.0	6

#	ARTICLE	IF	CITATIONS
328	Alarmins in Frozen Shoulder: A Molecular Association Between Inflammation and Pain. <i>American Journal of Sports Medicine</i> , 2018, 46, 671-678.	1.9	44
329	PKR inhibition mediates endotoxin tolerance in macrophages through inactivation of PI3K/AKT signaling. <i>Molecular Medicine Reports</i> , 2018, 17, 8548-8556.	1.1	4
330	Syk and JNK signaling pathways are involved in inflammasome activation in macrophages infected with <i>Streptococcus pneumoniae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 217-222.	1.0	18
331	Betaine Inhibits Interleukin-1 β Production and Release: Potential Mechanisms. <i>Frontiers in Immunology</i> , 2018, 9, 2670.	2.2	49
332	The Role of NLRP3 and IL-1 β in the Pathogenesis of Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2018, 9, 2566.	2.2	162
333	Effects of mimicked acetylated HMGB1 on macrophages and dendritic cells. <i>Molecular Medicine Reports</i> , 2018, 18, 5527-5535.	1.1	7
334	TRIF signaling is required for caspase-11-dependent immune responses and lethality in sepsis. <i>Molecular Medicine</i> , 2018, 24, 66.	1.9	28
335	Inflammasomes: Pandora's box for sepsis. <i>Journal of Inflammation Research</i> , 2018, Volume 11, 477-502.	1.6	61
336	Imoxin attenuates LPS-induced inflammation and MuRF1 expression in mouse skeletal muscle. <i>Physiological Reports</i> , 2018, 6, e13941.	0.7	21
337	The role of high mobility group box 1 protein in acute cerebrovascular diseases (Review). <i>Biomedical Reports</i> , 2018, 9, 191-197.	0.9	13
338	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. <i>Immunity</i> , 2018, 49, 740-753.e7.	6.6	377
339	Homeostatic Role of Autophagy in Hepatocytes. <i>Seminars in Liver Disease</i> , 2018, 38, 308-319.	1.8	19
340	Detection of Hepatotoxicity in Clinical and Experimental Settings. , 2018, , 151-167.		0
341	Danger-Associated Molecular Patterns (DAMPs): Molecular Triggers for Sterile Inflammation in the Liver. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3104.	1.8	144
342	Lupus antibodies induce behavioral changes mediated by microglia and blocked by ACE inhibitors. <i>Journal of Experimental Medicine</i> , 2018, 215, 2554-2566.	4.2	117
343	High-Mobility Group Box-1 and Liver Disease. <i>Hepatology Communications</i> , 2018, 2, 1005-1020.	2.0	72
344	Anti-TLR2 antibody triggers oxidative phosphorylation in microglia and increases phagocytosis of β -amyloid. <i>Journal of Neuroinflammation</i> , 2018, 15, 247.	3.1	68
345	PKR and GCN2 stress kinases promote an ER stress-independent eIF2 γ phosphorylation responsible for calreticulin exposure in melanoma cells. <i>Oncotmunology</i> , 2018, 7, e1466765.	2.1	38

#	ARTICLE	IF	CITATIONS
346	The Pharmacological Targets and Clinical Evidence of Natural Products With Anti-hepatic Inflammatory Properties. <i>Frontiers in Pharmacology</i> , 2018, 9, 455.	1.6	6
347	Double-stranded RNA-dependent kinase PKR activates NF- κ B pathway in acute pancreatitis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1563-1569.	1.0	6
348	Identification of Goose PKR Gene: Structure, Expression Profiling, and Antiviral Activity Against Newcastle Disease Virus. <i>Journal of Interferon and Cytokine Research</i> , 2018, 38, 333-340.	0.5	7
349	Control of Inflammasome Activation by Phosphorylation. <i>Trends in Biochemical Sciences</i> , 2018, 43, 685-699.	3.7	47
350	Transcriptional Profiling Suggests Extensive Metabolic Rewiring of Human and Mouse Macrophages during Early Interferon Alpha Responses. <i>Mediators of Inflammation</i> , 2018, 2018, 1-15.	1.4	11
351	Metabolic Modulation in Macrophage Effector Function. <i>Frontiers in Immunology</i> , 2018, 9, 270.	2.2	246
352	The Central Role of the Inflammatory Response in Understanding the Heterogeneity of Sepsis-3. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	38
353	Idiosyncratic Adverse Drug Reactions. , 2018, , 681-716.		4
354	Investigating genetic-and-epigenetic networks, and the cellular mechanisms occurring in Epstein-Barr virus-infected human B lymphocytes via big data mining and genome-wide two-sided NGS data identification. <i>PLoS ONE</i> , 2018, 13, e0202537.	1.1	12
355	Long non-coding RNA HOTAIR promotes UVB-induced apoptosis and inflammatory injury by up-regulation of PKR in keratinocytes. <i>Brazilian Journal of Medical and Biological Research</i> , 2018, 51, e6896.	0.7	16
356	Association of Inflammatory Responses and ECM Disorganization with HMGB1 Upregulation and NLRP3 Inflammasome Activation in the Injured Rotator Cuff Tendon. <i>Scientific Reports</i> , 2018, 8, 8918.	1.6	73
357	Programmed necrosis in cardiomyocytes: mitochondria, death receptors and beyond. <i>British Journal of Pharmacology</i> , 2019, 176, 4319-4339.	2.7	48
358	The pore-forming subunit Kir6.1 of the K-ATP channel negatively regulates the NLRP3 inflammasome to control insulin resistance by interacting with NLRP3. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-13.	3.2	15
359	Mechanistic Insight Into the Activation of the NLRP3 Inflammasome by <i>Neisseria gonorrhoeae</i> in Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 1815.	2.2	14
360	Pyruvate kinase M2: A simple molecule with complex functions. <i>Free Radical Biology and Medicine</i> , 2019, 143, 176-192.	1.3	82
361	<p>Epac1 inhibits PKR to reduce NLRP3 inflammasome proteins in retinal endothelial cells</p>. <i>Journal of Inflammation Research</i> , 2019, Volume 12, 153-159.	1.6	15
362	Suhuang antitussive capsule inhibits NLRP3 inflammasome activation and ameliorates pulmonary dysfunction via suppression of endoplasmic reticulum stress in cough variant asthma. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109188.	2.5	24
363	Cellular Therapy for Melanoma. , 2019, , 1-33.		0

#	ARTICLE	IF	CITATIONS
364	The NLRP3 Inflammasome: An Overview of Mechanisms of Activation and Regulation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3328.	1.8	1,900
365	High-Mobility Group Box 1 (HMGB1) and Autophagy in Acute Lung Injury (ALI): A Review. <i>Medical Science Monitor</i> , 2019, 25, 1828-1837.	0.5	79
366	Atmospheric H ₂ S triggers immune damage by activating the TLR-7/MyD88/NF- κ B pathway and NLRP3 inflammasome in broiler thymus. <i>Chemosphere</i> , 2019, 237, 124427.	4.2	85
367	RELM α Licenses Macrophages for Damage-Associated Molecular Pattern Activation to Instigate Pulmonary Vascular Remodeling. <i>Journal of Immunology</i> , 2019, 203, 2862-2871.	0.4	23
368	Structural Immunology. <i>Advances in Experimental Medicine and Biology</i> , 2019, , .	0.8	4
369	ER Stress Activates the NLRP3 Inflammasome: A Novel Mechanism of Atherosclerosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-18.	1.9	85
370	Pharmacological Inhibitors of the NLRP3 Inflammasome. <i>Frontiers in Immunology</i> , 2019, 10, 2538.	2.2	436
371	PKR suppress NLRP3-pyroptosis pathway in lipopolysaccharide-induced acute lung injury model of mice. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 8-14.	1.0	27
372	PKR: A Kinase to Remember. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 480.	1.4	172
373	Enhanced Macrophage Pannexin 1 Expression and Hemichannel Activation Exacerbates Lethal Experimental Sepsis. <i>Scientific Reports</i> , 2019, 9, 160.	1.6	30
374	Doxorubicin conjugated with nanodiamonds and in free form commit glioblastoma cells to heterodromous fates. <i>Nanomedicine</i> , 2019, 14, 335-351.	1.7	13
376	FBXW7 suppresses HMGB1-mediated innate immune signaling to attenuate hepatic inflammation and insulin resistance in a mouse model of nonalcoholic fatty liver disease. <i>Molecular Medicine</i> , 2019, 25, 29.	1.9	16
377	NLRP inflammasome as a key role player in the pathogenesis of environmental toxicants. <i>Life Sciences</i> , 2019, 231, 116585.	2.0	32
378	Hippocampal PKR/NLRP1 Inflammasome Pathway Is Required for the Depression-Like Behaviors in Rats with Neuropathic Pain. <i>Neuroscience</i> , 2019, 412, 16-28.	1.1	30
379	Novel understanding of high mobility group box-1 in the immunopathogenesis of incisional hernias. <i>Expert Review of Clinical Immunology</i> , 2019, 15, 791-800.	1.3	4
380	High mobility group box 1 enables bacterial lipids to trigger receptor-interacting protein kinase 3 (RIPK3)-mediated necroptosis and apoptosis in mice. <i>Journal of Biological Chemistry</i> , 2019, 294, 8872-8884.	1.6	11
381	HMGB1 protein as a novel target for cancer. <i>Toxicology Reports</i> , 2019, 6, 253-261.	1.6	82
382	N4-acetylcytidine is required for sustained NLRP3 inflammasome activation via HMGB1 pathway in microglia. <i>Cellular Signalling</i> , 2019, 58, 44-52.	1.7	32

#	ARTICLE	IF	CITATIONS
383	Aspirin alleviates endothelial gap junction dysfunction through inhibition of NLRP3 inflammasome activation in LPS-induced vascular injury. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 711-723.	5.7	64
384	Inner sensors of endotoxin “ implications for sepsis research and therapy. <i>FEMS Microbiology Reviews</i> , 2019, 43, 239-256.	3.9	43
385	The NLRP3 inflammasome modulates glycolysis by increasing PFKFB3 in an IL-1 β -dependent manner in macrophages. <i>Scientific Reports</i> , 2019, 9, 4034.	1.6	88
386	The complement receptor C5aR2 promotes protein kinase R expression and contributes to NLRP3 inflammasome activation and HMGB1 release from macrophages. <i>Journal of Biological Chemistry</i> , 2019, 294, 8384-8394.	1.6	49
387	NLRP3 inflammasome in ischemic stroke: As possible therapeutic target. <i>International Journal of Stroke</i> , 2019, 14, 574-591.	2.9	101
388	The molecular machinery of regulated cell death. <i>Cell Research</i> , 2019, 29, 347-364.	5.7	1,373
389	Glucosamine inhibits IL-1 β expression by preserving mitochondrial integrity and disrupting assembly of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2019, 9, 5603.	1.6	45
390	Stimulated hepatic stellate cell promotes progression of hepatocellular carcinoma due to protein kinase R activation. <i>PLoS ONE</i> , 2019, 14, e0212589.	1.1	14
391	Recent advances in the mechanisms of NLRP3 inflammasome activation and its inhibitors. <i>Cell Death and Disease</i> , 2019, 10, 128.	2.7	835
392	Contribution of cathepsin B-dependent Nlrp3 inflammasome activation to nicotine-induced endothelial barrier dysfunction. <i>European Journal of Pharmacology</i> , 2019, 865, 172795.	1.7	45
393	The role of cigarette smoke-induced epigenetic alterations in inflammation. <i>Epigenetics and Chromatin</i> , 2019, 12, 65.	1.8	109
394	Adenovirus VA RNAI Blocks ASC Oligomerization and Inhibits NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2019, 10, 2791.	2.2	23
395	PKR-dependent cytosolic cGAS foci are necessary for intracellular DNA sensing. <i>Science Signaling</i> , 2019, 12, .	1.6	45
396	The NLRP3 Inflammasome as a Pharmacological Target. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 285-296.	0.8	22
397	Bacterial Endotoxin Activates the Coagulation Cascade through Gasdermin D-Dependent Phosphatidylserine Exposure. <i>Immunity</i> , 2019, 51, 983-996.e6.	6.6	187
398	Activation of integrated stress response pathway regulates IL-1 β production through posttranscriptional and translational reprogramming in macrophages. <i>European Journal of Immunology</i> , 2019, 49, 277-289.	1.6	8
399	Glycyrrhizin attenuates hepatic ischemia-reperfusion injury by suppressing HMGB1-dependent GSDMD-mediated kupffer cells pyroptosis. <i>International Immunopharmacology</i> , 2019, 68, 145-155.	1.7	54
400	The Noncoding RNA nc886 Regulates PKR Signaling and Cytokine Production in Human Cells. <i>Journal of Immunology</i> , 2019, 202, 131-141.	0.4	25

#	ARTICLE	IF	CITATIONS
401	Age-dependent release of high-mobility group box protein-1 and cellular neuroinflammation after traumatic brain injury in mice. <i>Journal of Comparative Neurology</i> , 2019, 527, 1102-1117.	0.9	37
402	Nucleic Acid Sensing in Mammals and Plants: Facts and Caveats. <i>International Review of Cell and Molecular Biology</i> , 2019, 345, 225-285.	1.6	25
403	The Janus face of HMGB1 in heart disease: a necessary update. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 211-229.	2.4	99
404	Puerarin inhibits hyperglycemia-induced inter-endothelial junction through suppressing endothelial Nlrp3 inflammasome activation via ROS-dependent oxidative pathway. <i>Phytomedicine</i> , 2019, 55, 310-319.	2.3	54
405	Role and mechanism of the nod-like receptor family pyrin domain-containing 3 inflammasome in oral disease. <i>Archives of Oral Biology</i> , 2019, 97, 1-11.	0.8	9
406	Toll-Like Receptor 4 Signaling Licenses the Cytosolic Transport of Lipopolysaccharide From Bacterial Outer Membrane Vesicles. <i>Shock</i> , 2019, 51, 256-265.	1.0	51
407	HMGB1 mediated autophagy protects glioblastoma cells from carbon-ion beam irradiation injury. <i>Acta Astronautica</i> , 2020, 166, 628-634.	1.7	3
408	Recent Insights on Inflammasomes, Gasdermin Pores, and Pyroptosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a036392.	2.3	94
409	DAMP-sensing receptors in sterile inflammation and inflammatory diseases. <i>Nature Reviews Immunology</i> , 2020, 20, 95-112.	10.6	920
410	Damage-associated molecular patterns in trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 751-775.	0.8	110
411	Neural-respiratory inflammasome axis in traumatic brain injury. <i>Experimental Neurology</i> , 2020, 323, 113080.	2.0	35
412	Ethyl pyruvate confers protection against endotoxemia and sepsis by inhibiting caspase-11-dependent cell pyroptosis. <i>International Immunopharmacology</i> , 2020, 78, 106016.	1.7	17
413	<i>Entamoeba histolytica</i> stimulates the alarmin molecule HMGB1 from macrophages to amplify innate host defenses. <i>Mucosal Immunology</i> , 2020, 13, 344-356.	2.7	8
414	The integrated stress response in pulmonary disease. <i>European Respiratory Review</i> , 2020, 29, 200184.	3.0	20
415	Peroxynitrite/PKR Axis Modulates the NLRP3 Inflammasome of Cardiac Fibroblasts. <i>Frontiers in Immunology</i> , 2020, 11, 558712.	2.2	9
416	Secretory autophagy machinery and vesicular trafficking are involved in HMGB1 secretion. <i>Autophagy</i> , 2021, 17, 2345-2362.	4.3	62
417	Human keratinocytes and monocytes co-culture cell system: An important contribution for the study of moderate and weak sensitizers. <i>Toxicology in Vitro</i> , 2020, 68, 104929.	1.1	5
418	High Mobility Group Box 1 in Human Cancer. <i>Cells</i> , 2020, 9, 1664.	1.8	42

#	ARTICLE	IF	CITATIONS
419	A Synthetic Small Molecule F240B Decreases NLRP3 Inflammasome Activation by Autophagy Induction. <i>Frontiers in Immunology</i> , 2020, 11, 607564.	2.2	8
420	Danger-Sensing/Patten Recognition Receptors and Neuroinflammation in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9036.	1.8	30
421	Inflammasomes: a preclinical assessment of targeting in atherosclerosis. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 825-844.	1.5	8
422	Recent advances in the NEK7-licensed NLRP3 inflammasome activation: Mechanisms, role in diseases and related inhibitors. <i>Journal of Autoimmunity</i> , 2020, 113, 102515.	3.0	48
423	The Role of Protein Tyrosine Phosphatases in Inflammasome Activation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5481.	1.8	11
424	Synthesis, Structure, and Function of Human Adenovirus Small Non-Coding RNAs. <i>Viruses</i> , 2020, 12, 1182.	1.5	13
425	Hematopoietic Cell Kinase (HCK) Is Essential for NLRP3 Inflammasome Activation and Lipopolysaccharide-Induced Inflammatory Response In Vivo. <i>Frontiers in Pharmacology</i> , 2020, 11, 581011.	1.6	17
426	Indirect regulation of HMGB1 release by gasdermin D. <i>Nature Communications</i> , 2020, 11, 4561.	5.8	118
427	Contribution of Connexin Hemichannels to the Pathogenesis of Acute Lung Injury. <i>Mediators of Inflammation</i> , 2020, 2020, 1-10.	1.4	6
428	A proteomics approach to further highlight the altered inflammatory condition in Rett syndrome. <i>Archives of Biochemistry and Biophysics</i> , 2020, 696, 108660.	1.4	5
429	To protect or adversely affect? The dichotomous role of the NLRP1 inflammasome in human disease. <i>Molecular Aspects of Medicine</i> , 2020, 76, 100858.	2.7	25
430	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
431	Epoxyeicosatrienoic acids inhibit the activation of NLRP3 inflammasome in murine macrophages. <i>Journal of Cellular Physiology</i> , 2020, 235, 9910-9921.	2.0	24
432	Does NLRP3 Inflammasome and Aryl Hydrocarbon Receptor Play an Interlinked Role in Bowel Inflammation and Colitis-Associated Colorectal Cancer?. <i>Molecules</i> , 2020, 25, 2427.	1.7	22
433	Loss of High-Mobility Group Box 1 (HMGB1) Protein in Rods Accelerates Rod Photoreceptor Degeneration After Retinal Detachment. , 2020, 61, 50.		8
434	Oxymatrine Attenuates Dopaminergic Neuronal Damage and Microglia-Mediated Neuroinflammation Through Cathepsin D-Dependent HMGB1/TLR4/NF- κ B Pathway in Parkinson's Disease. <i>Frontiers in Pharmacology</i> , 2020, 11, 776.	1.6	26
435	Cellular Models and Assays to Study NLRP3 Inflammasome Biology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4294.	1.8	29
436	Signaling pathways that control mRNA translation initiation in macrophages. <i>Cellular Signalling</i> , 2020, 73, 109700.	1.7	5

#	ARTICLE	IF	CITATIONS
437	Immunological Significance of HMGB1 Post-Translational Modification and Redox Biology. <i>Frontiers in Immunology</i> , 2020, 11, 1189.	2.2	76
438	Tris DBA Ameliorates Accelerated and Severe Lupus Nephritis in Mice by Activating Regulatory T Cells and Autophagy and Inhibiting the NLRP3 Inflammasome. <i>Journal of Immunology</i> , 2020, 204, 1448-1461.	0.4	18
439	Inflammation-Induced Long Intergenic Noncoding RNA (LINCO0665) Increases Malignancy Through Activating the Double-Stranded RNA-Activated Protein Kinase/Nuclear Factor Kappa B Pathway in Hepatocellular Carcinoma. <i>Hepatology</i> , 2020, 72, 1666-1681.	3.6	52
440	Therapeutic role of targeting mTOR signaling and neuroinflammation in epilepsy. <i>Epilepsy Research</i> , 2020, 161, 106282.	0.8	48
441	The integrated stress response: From mechanism to disease. <i>Science</i> , 2020, 368, .	6.0	715
442	The role of type 1 interferons in Gram-negative bacteria-induced coagulation. <i>Blood</i> , 2020, 135, 1087-1100.	0.6	50
443	Therapeutic role of inflammasome inhibitors in neurodegenerative disorders. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 771-783.	2.0	26
444	Molecular insights into the therapeutic promise of targeting HMGB1 in depression. <i>Pharmacological Reports</i> , 2021, 73, 31-42.	1.5	27
445	Inhibition of Protein Kinase R by C16 Protects the Retinal Ganglion Cells from Hypoxia-induced Oxidative Stress, Inflammation, and Apoptosis. <i>Current Eye Research</i> , 2021, 46, 719-730.	0.7	0
446	Cytokines and the immune response in obesity-related disorders. <i>Advances in Clinical Chemistry</i> , 2021, 101, 135-168.	1.8	16
447	Key Elements of Gingival Epithelial Homeostasis upon Bacterial Interaction. <i>Journal of Dental Research</i> , 2021, 100, 333-340.	2.5	11
448	Role of NLRP3 Inflammasome Activation in Obesity-Mediated Metabolic Disorders. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 511.	1.2	35
449	LCC18 , a benzamide-linked small molecule, ameliorates IgA nephropathy in mice. <i>Journal of Pathology</i> , 2021, 253, 427-441.	2.1	5
450	The Regulatory Role of High-Mobility Group Protein 1 in Sepsis-Related Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 601815.	2.2	20
451	Mechanism of PKM2 affecting cancer immunity and metabolism in Tumor Microenvironment. <i>Journal of Cancer</i> , 2021, 12, 3566-3574.	1.2	25
452	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
453	AIM2 inflammasome activation may mediate high mobility group box 1 release in murine allergic rhinitis. <i>Brazilian Journal of Otorhinolaryngology</i> , 2022, 88, 925-931.	0.4	2
454	Lactic Acid Fermentation Is Required for NLRP3 Inflammasome Activation. <i>Frontiers in Immunology</i> , 2021, 12, 630380.	2.2	29

#	ARTICLE	IF	CITATIONS
455	Heparin prevents caspase-11-dependent septic lethality independent of anticoagulant properties. <i>Immunity</i> , 2021, 54, 454-467.e6.	6.6	74
456	Release mechanisms of major DAMPs. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2021, 26, 152-162.	2.2	214
457	The Effect and Regulatory Mechanism of High Mobility Group Box-1 Protein on Immune Cells in Inflammatory Diseases. <i>Cells</i> , 2021, 10, 1044.	1.8	32
458	A small molecule binding HMGB1 inhibits caspase-11-mediated lethality in sepsis. <i>Cell Death and Disease</i> , 2021, 12, 402.	2.7	13
459	Targeting the NLRP3 Inflammasome as a New Therapeutic Option for Overcoming Cancer. <i>Cancers</i> , 2021, 13, 2297.	1.7	44
461	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
462	Therapeutic administration of etoposide coincides with reduced systemic HMGB1 levels in macrophage activation syndrome. <i>Molecular Medicine</i> , 2021, 27, 48.	1.9	7
463	Ethanol, neurosteroids and cellular stress responses: Impact on central nervous system toxicity, inflammation and autophagy. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 124, 168-178.	2.9	12
464	Relevant mediators involved in and therapies targeting the inflammatory response induced by activation of the NLRP3 inflammasome in ischemic stroke. <i>Journal of Neuroinflammation</i> , 2021, 18, 123.	3.1	49
465	Targeting HMGB1 in the Treatment of Non-Small Cell Lung Adenocarcinoma. <i>Onco</i> , 2021, 1, 25-37.	0.2	2
466	An Update on the Pathogenic Role of Macrophages in Adult-Onset Still's Disease and Its Implication in Clinical Manifestations and Novel Therapeutics. <i>Journal of Immunology Research</i> , 2021, 2021, 1-11.	0.9	12
467	Exercise for slowing the progression of atherosclerotic process: effects on inflammatory markers. <i>Panminerva Medica</i> , 2021, 63, 122-132.	0.2	9
468	Protein Kinase R in Bacterial Infections: Friend or Foe?. <i>Frontiers in Immunology</i> , 2021, 12, 702142.	2.2	5
469	Abortive HIV-1 RNA induces pro-IL-1 β maturation via protein kinase PKR and inflammasome activation in humans. <i>European Journal of Immunology</i> , 2021, 51, 2464-2477.	1.6	13
470	Cf-02, a novel benzamide-linked small molecule, blunts NF- κ B activation and NLRP3 inflammasome assembly and improves acute onset of accelerated and severe lupus nephritis in mice. <i>FASEB Journal</i> , 2021, 35, e21785.	0.2	3
471	High-mobility group box 1 serves as an inflammation driver of cardiovascular disease. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111555.	2.5	23
472	Promise of the NLRP3 Inflammasome Inhibitors in In Vivo Disease Models. <i>Molecules</i> , 2021, 26, 4996.	1.7	15
473	Role of pyroptosis in diabetic retinopathy and its therapeutic implications. <i>European Journal of Pharmacology</i> , 2021, 904, 174166.	1.7	26

#	ARTICLE	IF	CITATIONS
474	Lactate promotes macrophage HMGB1 lactylation, acetylation, and exosomal release in polymicrobial sepsis. <i>Cell Death and Differentiation</i> , 2022, 29, 133-146.	5.0	166
476	Endogenous Regulation and Pharmacological Modulation of Sepsis-Induced HMGB1 Release and Action: An Updated Review. <i>Cells</i> , 2021, 10, 2220.	1.8	14
477	Non-Coding RNAs: Master Regulators of Inflammasomes in Inflammatory Diseases. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5023-5050.	1.6	9
478	Loop Between NLRP3 Inflammasome and Reactive Oxygen Species. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 784-796.	2.5	51
479	SIRP α sequesters SHP-2 to promote IL-4 and IL-13 signaling and the alternative activation of macrophages. <i>Science Signaling</i> , 2021, 14, eabb3966.	1.6	9
480	PKR deficiency alleviates pulmonary hypertension via inducing inflammasome adaptor ASC inactivation. <i>Pulmonary Circulation</i> , 2021, 11, 1-13.	0.8	8
481	Inhibition of double stranded RNA dependent protein kinase (PKR) abrogates isoproterenol induced myocardial ischemia in vitro in cultured cardiomyocytes and in vivo in wistar rats. <i>European Journal of Pharmacology</i> , 2021, 906, 174223.	1.7	5
482	NLRP3 Inflammasome: A Starring Role in Amyloid- β - and Tau-Driven Pathological Events in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 939-961.	1.2	55
483	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
484	Bitter melon extracts and cucurbitane-type triterpenoid glycosides antagonize lipopolysaccharide-induced inflammation via suppression of NLRP3 inflammasome. <i>Journal of Functional Foods</i> , 2021, 86, 104720.	1.6	4
485	A tale of two proteins: PACT and PKR and their roles in inflammation. <i>FEBS Journal</i> , 2021, 288, 6365-6391.	2.2	33
486	Luteolin attenuates hepatic injury in septic mice by regulating P2X7R-based HMGB1 release. <i>Food and Function</i> , 2021, 12, 10714-10727.	2.1	13
487	Protein Kinase R Restricts the Intracellular Survival of <i>Mycobacterium tuberculosis</i> by Promoting Selective Autophagy. <i>Frontiers in Microbiology</i> , 2020, 11, 613963.	1.5	11
488	NLRP3 Inflammasome and Its Critical Role in Gynecological Disorders and Obstetrical Complications. <i>Frontiers in Immunology</i> , 2020, 11, 555826.	2.2	16
489	Evaluating Cytoplasmic and Nuclear Levels of Inflammatory Cytokines in Cancer Cells by Western Blotting. <i>Methods in Molecular Biology</i> , 2014, 1172, 271-283.	0.4	7
490	Role of Endoplasmic Reticulum ER Stress-Induced Cell Death Mechanisms. <i>Nanomedicine and Nanotoxicology</i> , 2020, , 329-401.	0.1	2
491	The Role of Innate Immunity in Ischemic Stroke. , 2016, , 649-660.		1
492	Structural Biology of NOD-Like Receptors. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1172, 119-141.	0.8	26

#	ARTICLE	IF	CITATIONS
493	MicroRNA-129-5p alleviates spinal cord injury in mice via suppressing the apoptosis and inflammatory response through HMGB1/TLR4/NF- κ B pathway. <i>Bioscience Reports</i> , 2020, 40, .	1.1	50
494	Cell-Cell Interaction Mechanisms in Acute Lung Injury. <i>Shock</i> , 2021, 55, 167-176.	1.0	18
497	Double-Stranded RNA Dependent Kinase R Regulates Antibacterial Immunity in Sepsis. <i>Journal of Innate Immunity</i> , 2021, 13, 26-37.	1.8	2
498	Bacterial sepsis triggers an antiviral response that causes translation shutdown. <i>Journal of Clinical Investigation</i> , 2018, 129, 296-309.	3.9	38
499	A tumor-intrinsic PD-L1/NLRP3 inflammasome signaling pathway drives resistance to anti-PD-1 immunotherapy. <i>Journal of Clinical Investigation</i> , 2020, 130, 2570-2586.	3.9	134
500	HMGB1 promotes ductular reaction and tumorigenesis in autophagy-deficient livers. <i>Journal of Clinical Investigation</i> , 2018, 128, 2419-2435.	3.9	85
501	The Specific Protein Kinase R (PKR) Inhibitor C16 Protects Neonatal Hypoxia-Ischemia Brain Damages by Inhibiting Neuroinflammation in a Neonatal Rat Model. <i>Medical Science Monitor</i> , 2016, 22, 5074-5081.	0.5	18
502	The Protein Kinase R Inhibitor C16 Alleviates Sepsis-Induced Acute Kidney Injury Through Modulation of the NF- κ B and NLR Family Pyrin Domain-Containing 3 (NLRP3) Pyroptosis Signal Pathways. <i>Medical Science Monitor</i> , 2020, 26, e926254.	0.5	13
503	Sequestering HMGB1 via DNA-Conjugated Beads Ameliorates Murine Colitis. <i>PLoS ONE</i> , 2014, 9, e103992.	1.1	24
504	NLRP3 Inflammasome Is Expressed and Functional in Mouse Brain Microglia but Not in Astrocytes. <i>PLoS ONE</i> , 2015, 10, e0130624.	1.1	289
505	Autoimmune Hepatitis and Stellate Cells: An Insight into the Role of Autophagy. <i>Current Medicinal Chemistry</i> , 2020, 27, 6073-6095.	1.2	9
506	Activation of the dsRNA-Activated Protein Kinase PKR in Mitochondrial Dysfunction and Inflammatory Stress in Metabolic Syndrome. <i>Current Pharmaceutical Design</i> , 2016, 22, 2697-2703.	0.9	26
507	High Mobility Group Box-1 (HMGB1): A Potential Target in Therapeutics. <i>Current Drug Targets</i> , 2019, 20, 1474-1485.	1.0	56
508	High Mobility Group Box 1: An Immune-regulatory Protein. <i>Current Gene Therapy</i> , 2019, 19, 100-109.	0.9	14
509	The Role of PKR as a Potential Target for Treating Cardiovascular Diseases. <i>Current Cardiology Reviews</i> , 2016, 13, 28-31.	0.6	7
510	Reconstruction of the Mouse Inflammasome System in HEK293T Cells. <i>Bio-protocol</i> , 2016, 6, .	0.2	33
511	Mechanistic Roles of Matrilin-2 and Klotho in Modulating the Inflammatory Activity of Human Aortic Valve Cells. <i>Cells</i> , 2020, 9, 385.	1.8	8
512	Systemic lidocaine inhibits high-mobility group box 1 messenger ribonucleic acid expression and protein in BALB/c mice after closed fracture musculoskeletal injury. <i>Saudi Journal of Anaesthesia</i> , 2018, 12, 395.	0.2	18

#	ARTICLE	IF	CITATIONS
513	The Analysis of the Effective Systemic Lidocaine Dosage on the Expression of HMGB1 mRNA on Mice with Sterile Musculoskeletal Injury. <i>Open Journal of Anesthesiology</i> , 2017, 07, 35-41.	0.1	3
514	Review of the Molecular Pathogenesis of Osteosarcoma. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 5967-5976.	0.5	120
515	Impact of intracellular innate immune receptors on immunometabolism. <i>Cellular and Molecular Immunology</i> , 2022, 19, 337-351.	4.8	61
516	Role of PKM2-Mediated Immunometabolic Reprogramming on Development of Cytokine Storm. <i>Frontiers in Immunology</i> , 2021, 12, 748573.	2.2	20
519	PKR. , 2016, , 1-9.		0
520	Immune Activation in the Liver by Nucleic Acids. <i>Journal of Clinical and Translational Hepatology</i> , 2016, 4, 151-7.	0.7	6
521	Trauma, Regulated Cell Death, and Inflammation. , 2017, , 253-281.		0
522	Traumatic Injury. <i>Experientia Supplementum (2012)</i> , 2018, 108, 85-110.	0.5	3
523	PKR. , 2018, , 4038-4046.		0
525	Modulation of HMGB1 Release for Treating Lethal Infection and Injury. , 2019, , 229-252.		0
526	Bacterial Endotoxin Activates Coagulation Cascades Through GSDMD-Dependent Phosphatidylserine Exposure. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
527	Cellular Therapy for Melanoma. , 2020, , 1267-1299.		0
528	Endoplasmic reticulum stress-induced cell death mechanism. , 2020, , 299-342.		6
529	Walking down Skeletal Muscle Lane: From Inflammasome to Disease. <i>Cells</i> , 2021, 10, 3023.	1.8	14
530	Life after death: targeting high mobility group box 1 in emergent cancer therapies. <i>American Journal of Cancer Research</i> , 2013, 3, 1-20.	1.4	50
531	Role of p58IPK in Endoplasmic Reticulum Stress-associated Apoptosis and Inflammation. <i>Journal of Ophthalmic and Vision Research</i> , 2014, 9, 134-43.	0.7	10
532	Ionizing Radiation Induces HMGB1 Cytoplasmic Translocation and Extracellular Release. , 2016, 40, 91-99.		19
533	PKR promotes choroidal neovascularization via upregulating the PI3K/Akt signaling pathway in VEGF expression. <i>Molecular Vision</i> , 2016, 22, 1361-1374.	1.1	23

#	ARTICLE	IF	CITATIONS
534	Neuroinflammation in Autism Spectrum Disorders: Role of High Mobility Group Box 1 Protein. <i>International Journal of Molecular and Cellular Medicine</i> , 2017, 6, 148-155.	1.1	17
536	How Influenza A Virus NS1 Deals with the Ubiquitin System to Evade Innate Immunity. <i>Viruses</i> , 2021, 13, 2309.	1.5	10
537	Hepatic small extracellular vesicles promote microvascular endothelial hyperpermeability during NAFLD via novel-miRNA-7. <i>Journal of Nanobiotechnology</i> , 2021, 19, 396.	4.2	12
538	Cellular origins of dsRNA, their recognition and consequences. <i>Nature Reviews Molecular Cell Biology</i> , 2022, 23, 286-301.	16.1	113
539	BAP1 forms a trimer with HMGB1 and HDAC1 that modulates gene Å— environment interaction with asbestos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
540	Revisiting the Role of GSK3, A Modulator of Innate Immunity, in Idiopathic Inclusion Body Myositis. <i>Cells</i> , 2021, 10, 3255.	1.8	6
541	Luxepatinib disables NLRP3 inflammasome-mediated IL-1 β release and pathways required for secretion of inflammatory cytokines IL-6 and TNF α . <i>Biochemical Pharmacology</i> , 2022, 195, 114861.	2.0	4
542	NLRP3 Inflammasome Activation Enhanced by TRIM25 is Targeted by the NS1 Protein of 2009 Pandemic Influenza A Virus. <i>Frontiers in Microbiology</i> , 2021, 12, 778950.	1.5	4
543	Signaling pathways and intervention therapies in sepsis. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 407.	7.1	73
544	Post-Translational Modification of HMGB1 Disulfide Bonds in Stimulating and Inhibiting Inflammation. <i>Cells</i> , 2021, 10, 3323.	1.8	32
545	PHOrming the inflammasome: phosphorylation is a critical switch in inflammasome signalling. <i>Biochemical Society Transactions</i> , 2021, 49, 2495-2507.	1.6	8
546	Anti- β 2</sub>GPI/ β 2</sub>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
547	Protective effect of Toll-like receptor 4 antagonist on inflammation, EEG, and memory changes following febrile seizure in Wistar rats. <i>Behavioural Brain Research</i> , 2022, 420, 113723.	1.2	5
548	Role of ROS-Induced NLRP3 Inflammasome Activation in the Formation of Calcium Oxalate Nephrolithiasis. <i>Frontiers in Immunology</i> , 2022, 13, 818625.	2.2	10
549	Infection in the Developing Brain: The Role of Unique Systemic Immune Vulnerabilities. <i>Frontiers in Neurology</i> , 2021, 12, 805643.	1.1	4
550	The role of inflammasomes in vascular cognitive impairment. <i>Molecular Neurodegeneration</i> , 2022, 17, 4.	4.4	43
551	Inflammasome Activation in Pulmonary Arterial Hypertension. <i>Frontiers in Medicine</i> , 2021, 8, 826557.	1.2	9
552	Transcriptomes of peripheral blood mononuclear cells from juvenile dermatomyositis patients show elevated inflammation even when clinically inactive. <i>Scientific Reports</i> , 2022, 12, 275.	1.6	12

#	ARTICLE	IF	CITATIONS
553	HMGB1-Mediated Activation of the Inflammatory-Reparative Response Following Myocardial Infarction. <i>Cells</i> , 2022, 11, 216.	1.8	10
554	Identification of NLRP3PYD Homo-Oligomerization Inhibitors with Anti-Inflammatory Activity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1651.	1.8	8
555	The Role of Connexin Hemichannels in Inflammatory Diseases. <i>Biology</i> , 2022, 11, 237.	1.3	18
556	Baicalin Targets HSP70/90 to Regulate PKR/PI3K/AKT/eNOS Signaling Pathways. <i>Molecules</i> , 2022, 27, 1432.	1.7	4
557	The mechanism of HMGB1 secretion and release. <i>Experimental and Molecular Medicine</i> , 2022, 54, 91-102.	3.2	225
558	Structural basis for the oligomerization-mediated regulation of NLRP3 inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2121353119.	3.3	50
559	Anti- β -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
560	Neuroinflammation and COVID-19 Ischemic Stroke Recovery—Evolving Evidence for the Mediating Roles of the ACE2/Angiotensin-(1-7)/Mas Receptor Axis and NLRP3 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3085.	1.8	12
561	HMGB1 is a critical molecule in the pathogenesis of Gram-negative sepsis. <i>Journal of Intensive Medicine</i> , 2022, 2, 156-166.	0.8	6
562	Role of High Mobility Group Box 1 in Cardiovascular Diseases. <i>Inflammation</i> , 2022, 45, 1864-1874.	1.7	2
563	NLRP3 inflammasome contributes to endotoxin-induced coagulation. <i>Thrombosis Research</i> , 2022, 214, 8-15.	0.8	11
564	Neutrophil Protein Kinase R Mediates Endothelial Adhesion and Migration by the Promotion of Neutrophil Actin Polymerization. <i>Journal of Immunology</i> , 2022, 208, 2173-2183.	0.4	2
566	Hypothesis of immune homeostasis regulator: The nervous system regulates glucose immunometabolism to control immunity. <i>Medical Hypotheses</i> , 2022, 163, 110841.	0.8	0
573	Crinum latifolium extract inhibits lipopolysaccharide-induced inflammation in human macrophages. <i>Romanian Journal of Laboratory Medicine</i> , 2022, 30, 183-190.	0.1	0
574	Targeting the NOD-, LRR- and Pyrin Domain-Containing Protein 3 (NLRP3) Inflammasome in Psoriasis and Fatigue. <i>Cureus</i> , 2022, , .	0.2	0
575	Modulation of interleukin- β based inflammatory feedback loop through the hepatocyte-derived IL- β /IL-27 axis improves steatosis in alcoholic steatohepatitis. <i>British Journal of Pharmacology</i> , 2022, 179, 4378-4399.	2.7	4
576	Innate immune signaling and immunothrombosis: New insights and therapeutic opportunities. <i>European Journal of Immunology</i> , 2022, 52, 1024-1034.	1.6	12
577	Targeting the TLR4/NF- κ B Axis and NLRP1/3 Inflammasomes by Rosuvastatin: A Role in Impeding Ovariectomy-Induced Cognitive Decline Neuropathology in Rats. <i>Molecular Neurobiology</i> , 2022, 59, 4562-4577.	1.9	6

#	ARTICLE	IF	CITATIONS
578	Repositioning of the Angiotensin II Receptor Antagonist Candesartan as an Anti-Inflammatory Agent With NLRP3 Inflammasome Inhibitory Activity. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	3
579	Innate Immunity: A Balance between Disease and Adaption to Stress. <i>Biomolecules</i> , 2022, 12, 737.	1.8	6
580	Cross-Talk Between the Intestinal Epithelium and Salmonella Typhimurium. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	13
582	Reprogramming Macrophage Metabolism and its Effect on NLRP3 Inflammasome Activation in Sepsis. <i>Frontiers in Molecular Biosciences</i> , 0, 9, .	1.6	6
583	Interleukin-18: a biomarker with therapeutic potential in adult-onset Still's disease. <i>Expert Review of Clinical Immunology</i> , 2022, 18, 823-833.	1.3	3
584	Activation and Pharmacological Regulation of Inflammasomes. <i>Biomolecules</i> , 2022, 12, 1005.	1.8	17
585	Saturated Fatty Acid-Induced Endoplasmic Reticulum Stress and Insulin Resistance Are Prevented by Imoxin in C2C12 Myotubes. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3
586	Role of NLRP3 Inflammasome and Its Inhibitors as Emerging Therapeutic Drug Candidate for Alzheimer's Disease: a Review of Mechanism of Activation, Regulation, and Inhibition. <i>Inflammation</i> , 2023, 46, 56-87.	1.7	15
587	A novel inflammatory response-related signature predicts the prognosis of cutaneous melanoma and the effect of antitumor drugs. <i>World Journal of Surgical Oncology</i> , 2022, 20, .	0.8	2
588	Japanese Flounder HMGB1: A DAMP Molecule That Promotes Antimicrobial Immunity by Interacting with Immune Cells and Bacterial Pathogen. <i>Genes</i> , 2022, 13, 1509.	1.0	4
589	Chromatin-Associated Molecular Patterns (CAMPs) in sepsis. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	14
590	Posttranslational S-nitrosylation modification regulates HMGB1 secretion and promotes its proinflammatory and neurodegenerative effects. <i>Cell Reports</i> , 2022, 40, 111330.	2.9	7
591	Neuroimmunologic aspects of febrile status epilepticus. , 2023, , 95-113.		0
592	CAR-T Cells Targeting HLA-G as Potent Therapeutic Strategy for EGFR Mutated and Overexpressed Oral Cancer. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
593	Jingfang Granules Improve Glucose Metabolism Disturbance and Inflammation in Mice with Urticaria by Up-Regulating LKB1/AMPK/SIRT1 Axis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
594	Expansion of Escherichia-Shigella in Gut Is Associated with the Onset and Response to Immunosuppressive Therapy of IgA Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2022, 33, 2276-2292.	3.0	25
595	Changes in Alcohol Consumption following Direct-Acting Antiviral Treatment for Hepatitis C in VA Patients with Comorbid Alcohol Use Disorder and PTSD. <i>Journal of Dual Diagnosis</i> , 2022, 18, 185-198.	0.7	2
596	Ameliorative Effect of D-Carvone against Hepatic Ischemia-Reperfusion-Induced Injury in Rats. <i>Life</i> , 2022, 12, 1502.	1.1	2

#	ARTICLE	IF	CITATIONS
597	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
598	Stress granules and mTOR are regulated by membrane atg8ylation during lysosomal damage. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	19
599	Circulating HMGB1 is increased in myelodysplastic syndrome but not in other bone marrow failure syndromes: proof-of-concept cross-sectional study. <i>Therapeutic Advances in Hematology</i> , 2022, 13, 204062072211259.	1.1	3
600	HMGB1 accumulation in cytoplasm mediates noise-induced cochlear damage. <i>Cell and Tissue Research</i> , 0, , .	1.5	3
601	Innate metabolic responses against viral infections. <i>Nature Metabolism</i> , 2022, 4, 1245-1259.	5.1	28
602	The role of NLRP3 inflammasome in inflammation-related skeletal muscle atrophy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
603	Jingfang Granules improve glucose metabolism disturbance and inflammation in mice with urticaria by up-regulating LKB1/AMPK/SIRT1 axis. <i>Journal of Ethnopharmacology</i> , 2023, 302, 115913.	2.0	10
604	Exercise-induced specialized proresolving mediators stimulate AMPK phosphorylation to promote mitochondrial respiration in macrophages. <i>Molecular Metabolism</i> , 2022, 66, 101637.	3.0	6
605	Diverse Pathways of Engineered Nanoparticle-Induced NLRP3 Inflammasome Activation. <i>Nanomaterials</i> , 2022, 12, 3908.	1.9	0
606	Salvianolic acid A regulates pyroptosis of endothelial cells via directly targeting PKM2 and ameliorates diabetic atherosclerosis. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	6
607	The Nox2-ROS-Nlrp3 Inflammasome Signaling Stimulates in the Hematopoietic Stem/Progenitor Cells Lipogenesis to Facilitate Membrane Lipid Raft Formation. <i>Stem Cell Reviews and Reports</i> , 2023, 19, 92-103.	1.7	7
608	Blocking TRPV4 Ameliorates Osteoarthritis by Inhibiting M1 Macrophage Polarization via the ROS/NLRP3 Signaling Pathway. <i>Antioxidants</i> , 2022, 11, 2315.	2.2	9
609	Selective inhibition of PKR by C16 accelerates diabetic wound healing by inhibiting NALP3 expression in mice. <i>Inflammation Research</i> , 2023, 72, 221-236.	1.6	3
610	Discovery and identification of EIF2AK2 as a direct key target of berberine for anti-inflammatory effects. <i>Acta Pharmaceutica Sinica B</i> , 2023, 13, 2138-2151.	5.7	4
611	Tryptophan-dependent and -independent secretions of tryptophanyl- tRNA synthetase mediate innate inflammatory responses. <i>Cell Reports</i> , 2023, 42, 111905.	2.9	5
612	Single-cell RNA sequencing reveals the suppressive effect of PPP1R15A inhibitor Sephin1 in antitumor immunity. <i>iScience</i> , 2023, 26, 105954.	1.9	4
613	RBPâ€™RNA interactions in the control of autoimmunity and autoinflammation. <i>Cell Research</i> , 2023, 33, 97-115.	5.7	18
614	Coagulation Disorders in Sepsis and COVID-19â€™Two Sides of the Same Coin? A Review of Inflammationâ€™Coagulation Crosstalk in Bacterial Sepsis and COVID-19. <i>Journal of Clinical Medicine</i> , 2023, 12, 601.	1.0	8

#	ARTICLE	IF	CITATIONS
615	PKR deficiency delays vascular aging via inhibiting GSDMD-mediated endothelial cell hyperactivation. <i>IScience</i> , 2023, 26, 105909.	1.9	0
616	1,25-Dihydroxyvitamin D regulates macrophage activation through FBP1/PKR and ameliorates arthritis in TNF-transgenic mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2023, 228, 106251.	1.2	2
617	Predictive Strategies for ADRs – Biomarkers and <i>In Vitro</i> Models. , 2017, , 343-378.		0
618	<i>Infection and Immunity</i> . , 2023, , 493-598.		1
619	AIM2 and Psoriasis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
620	CAR-T cells targeting HLA-G as potent therapeutic strategy for EGFR-mutated and overexpressed oral cancer. <i>IScience</i> , 2023, 26, 106089.	1.9	2
621	Die hard: cell death mechanisms and their implications in nanotoxicology. <i>Toxicological Sciences</i> , 2023, 192, 141-154.	1.4	8
622	HIV co-opts a cellular antiviral mechanism, activation of stress kinase PKR by its RNA, to enable splicing of rev/tat mRNA. <i>Cell and Bioscience</i> , 2023, 13, .	2.1	3
623	HMGB1 mediates synaptic loss and cognitive impairment in an animal model of sepsis-associated encephalopathy. <i>Journal of Neuroinflammation</i> , 2023, 20, .	3.1	15
624	Selective activation of cholinergic neurotransmission from the medial septal nucleus to hippocampal pyramidal neurones improves sepsis-induced cognitive deficits in mice. <i>British Journal of Anaesthesia</i> , 2023, 130, 573-584.	1.5	4
625	Inactivation of mitochondrial pyruvate carrier promotes <i>NLRP3</i> inflammasome activation and gout development via metabolic reprogramming. <i>Immunology</i> , 0, , .	2.0	2
626	Interactions between PCSK9 and NLRP3 inflammasome signaling in atherosclerosis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
627	An Emerging Role for Type I Interferons as Critical Regulators of Blood Coagulation. <i>Cells</i> , 2023, 12, 778.	1.8	6
628	Polynucleotide phosphorylase protects against renal tubular injury via blocking mt-dsRNA-PKR-eIF2 α axis. <i>Nature Communications</i> , 2023, 14, .	5.8	5
629	Raddeanin A Enhances Mitochondrial DNA α -GAS/STING Axis-Mediated Antitumor Immunity by Targeting Transactive Responsive DNA α -Binding Protein 43. <i>Advanced Science</i> , 2023, 10, .	5.6	8
630	Targeting the mevalonate pathway suppresses ARID1A-inactivated cancers by promoting pyroptosis. <i>Cancer Cell</i> , 2023, 41, 740-756.e10.	7.7	10
631	NLRP3 Inflammasome's Activation in Acute and Chronic Brain Diseases – An Update on Pathogenetic Mechanisms and Therapeutic Perspectives with Respect to Other Inflammasomes. <i>Biomedicines</i> , 2023, 11, 999.	1.4	6
632	HMGB1: a potential new target for tendinopathy treatment. <i>Connective Tissue Research</i> , 2023, 64, 362-375.	1.1	1

#	ARTICLE	IF	CITATIONS
633	Protective effects of an anti-4-HNE monoclonal antibody against liver injury and lethality of endotoxemia in mice. European Journal of Pharmacology, 2023, 950, 175702.	1.7	0
667	Restoration of Tumor Suppression to Cancer Carrying p53 Mutations. , 0, , .		0