NLRP3 inflammasome: Its regulation and involvement i

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Citation Report

#	Article	IF	Citations
1	Induction of heme oxygenas-1 attenuates NLRP3 inflammasome activation in lipopolysaccharide-induced mastitis in mice. International Immunopharmacology, 2017, 52, 185-190.	1.7	18
2	Monocyte-Macrophages and T Cells in Atherosclerosis. Immunity, 2017, 47, 621-634.	6.6	462
3	Salivary Levels of NLRP3 Inflammasomeâ€Related Proteins as Potential Biomarkers of Periodontal Clinical Status. Journal of Periodontology, 2017, 88, 1329-1338.	1.7	64
4	Natural Biflavonoids Modulate Macrophageâ€“Oxidized LDL Interaction In Vitro and Promote Atheroprotection In Vivo. Frontiers in Immunology, 2017, 8, 923.	2.2	27
5	Methotrexate and Cardiovascular Protection: Current Evidence and Future Directions. Clinical Medicine Insights Therapeutics, 2017, 9, 1179559X1774128.	0.4	7
6	Augmented neutrophil extracellular traps formation promotes atherosclerosis development in socially defeated apoEâ^'/â^' mice. Biochemical and Biophysical Research Communications, 2018, 500, 490-496.	1.0	23
7	Cereal Fiber Ameliorates High-Fat/Cholesterol-Diet-Induced Atherosclerosis by Modulating the NLRP3 Inflammasome Pathway in ApoE^{â€"/â€“} Mice. Journal of Agricultural and Food Chemistry, 2018, 66, 4827-4834.	2.4	31
8	Caspase-1-associated immune activation in an accelerated SIV-infected rhesus macaque model. Journal of NeuroVirology, 2018, 24, 420-431.	1.0	12
9	The role of adiponectin and adipolin as anti-inflammatory adipokines in the formation of macrophage foam cells and their association with cardiovascular diseases. Clinical Biochemistry, 2018, 54, 1-10.	0.8	25
10	Inflammasome biology, molecular pathology and therapeutic implications. , 2018, 187, 133-149.		98
11	Atherosclerosis as an inflammatory disease: Doubts? No more. IJC Heart and Vasculature, 2018, 19, 1-2.	0.6	20
12	Air pollution is associated with the development of atherosclerosis via the cooperation of CD36 and NLRP3 inflammasome in ApoE -/- mice. Toxicology Letters, 2018, 290, 123-132.	0.4	74
13	Irisin Alleviates Advanced Glycation End Products-Induced Inflammation and Endothelial Dysfunction via Inhibiting ROS-NLRP3 Inflammasome Signaling. Inflammation, 2018, 41, 260-275.	1.7	75
14	Role of NLRP3 inflammasome in the pathogenesis of cardiovascular diseases. Basic Research in Cardiology, 2018, 113, 5.	2.5	202
15	Role of the NLRP3 inflammasome in cancer. Molecular Cancer, 2018, 17, 158.	7.9	310
16	Melatonin Ameliorates the Progression of Atherosclerosis via Mitophagy Activation and NLRP3 Inflammasome Inhibition. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	1.9	175
17	Inflammasome Proteins in Serum and Serum-Derived Extracellular Vesicles as Biomarkers of Stroke. Frontiers in Molecular Neuroscience, 2018, 11, 309.	1.4	73
18	OxLDL induces vascular endothelial cell pyroptosis through miRâ€125aâ€5p/TET2 pathway. Journal of Cellular Physiology, 2019, 234, 7475-7491.	2.0	102

#	Article	IF	Citations
19	Evidence and perspective for the role of the NLRP3 inflammasome signaling pathway in ischemic stroke and its therapeutic potential (Review). International Journal of Molecular Medicine, 2018, 42, 2979-2990.	1.8	27
20	Recent Advances in the Molecular Mechanisms Underlying Pyroptosis in Sepsis. Mediators of Inflammation, 2018, 2018, 1-7.	1.4	93
21	Endometrial pinopode biomarkers: Molecules and microRNAs. Journal of Cellular Physiology, 2018, 233, 9145-9158.	2.0	43
22	Tumorâ€associated macrophages and epithelialâ€“mesenchymal transition in cancer: Nanotechnology comes into view. Journal of Cellular Physiology, 2018, 233, 9223-9236.	2.0	33
23	Lipid and Non-lipid Factors Affecting Macrophage Dysfunction and Inflammation in Atherosclerosis. Frontiers in Physiology, 2018, 9, 654.	1.3	65
24	Prediction of myocardial infarction, stroke and cardiovascular mortality with urinary biomarkers of oxidative stress: Results from a large cohort study. International Journal of Cardiology, 2018, 273, 223-229.	0.8	40
25	Insights From Pre-Clinical and Clinical Studies on the Role of Innate Inflammation in Atherosclerosis Regression. Frontiers in Cardiovascular Medicine, 2018, 5, 32.	1.1	37
26	Indoxyl Sulfate Promotes Macrophage IL-1Î² Production by Activating Aryl Hydrocarbon Receptor/NF-Îº/MAPK Cascades, but the NLRP3 inflammasome Was Not Activated. Toxins, 2018, 10, 124.	1.5	42
27	MicroRNA-30c-5p inhibits NLRP3 inflammasome-mediated endothelial cell pyroptosis through FOXO3 down-regulation in atherosclerosis. Biochemical and Biophysical Research Communications, 2018, 503, 2833-2840.	1.0	85
28	Microâ€RNAs as critical regulators of matrix metalloproteinases in cancer. Journal of Cellular Biochemistry, 2018, 119, 8694-8712.	1.2	25
29	miRNA-based strategy for modulation of influenza A virus infection. Epigenomics, 2018, 10, 829-844.	1.0	52
30	Circulating microRNAs as diagnostic and therapeutic biomarkers in gastric and esophageal cancers. Journal of Cellular Physiology, 2018, 233, 8538-8550.	2.0	129
31	Parkin-Dependent Mitophagy is Required for the Inhibition of ATF4 on NLRP3 Inflammasome Activation in Cerebral Ischemia-Reperfusion Injury in Rats. Cells, 2019, 8, 897.	1.8	76
32	Bacterial infections are associated with cardiovascular disease in Iran: a meta-analysis. Archives of Medical Science, 2019, 15, 902-911.	0.4	13
33	Circulating microRNAs as potential diagnostic biomarkers and therapeutic targets in prostate cancer: Current status and future perspectives. Journal of Cellular Biochemistry, 2019, 120, 16316-16329.	1.2	28
34	Pro-inflammatory role of NLRP3 inflammasome in experimental sterile corneal inflammation. Scientific Reports, 2019, 9, 9596.	1.6	28
35	ER Stress Activates the NLRP3 Inflammasome: A Novel Mechanism of Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-18.	1.9	85
36	The Story of Nanoparticles in Differentiation of Stem Cells into Neural Cells. Neurochemical Research, 2019, 44, 2695-2707.	1.6	9

#	Article	IF	Citations
37	Indigo Fruits Ingredient, Aucubin, Protects against LPS-Induced Cardiac Dysfunction in Mice. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 348-359.	1.3	20
38	C1q/TNF-related protein-9 attenuates atherosclerosis through AMPK-NLRP3 inflammasome singling pathway. International Immunopharmacology, 2019, 77, 105934.	1.7	27
39	Gut Microbiota-Dependent Marker TMAO in Promoting Cardiovascular Disease: Inflammation Mechanism, Clinical Prognostic, and Potential as a Therapeutic Target. Frontiers in Pharmacology, 2019, 10, 1360.	1.6	213
40	Comparison of the TLR4/NFÎºB and NLRP3 signalling pathways in major organs of the mouse after intravenous injection of lipopolysaccharide. Pharmaceutical Biology, 2019, 57, 555-563.	1.3	23
41	The Therapeutic Potential of Nanoparticles to Reduce Inflammation in Atherosclerosis. Biomolecules, 2019, 9, 416.	1.8	24
42	Apocynin alleviates lung injury by suppressing NLRP3 inflammasome activation and NF-Îº B signaling in acute pancreatitis. International Immunopharmacology, 2019, 75, 105821.	1.7	39
43	The role of pyroptosis in cancer: pro-cancer or pro-â€œhostâ€?. Cell Death and Disease, 2019, 10, 650.	2.7	556
44	Anti-Inflammatory Effect of Cherry Extract Loaded in Polymeric Nanoparticles: Relevance of Particle Internalization in Endothelial Cells. Pharmaceutics, 2019, 11, 500.	2.0	18
45	CRP-Induced NLRP3 Inflammasome Activation Increases LDL Transcytosis Across Endothelial Cells. Frontiers in Pharmacology, 2019, 10, 40.	1.6	46
46	Leukemiaâ€derived exosomes: Bringing oncogenic signals to blood cells. Journal of Cellular Biochemistry, 2019, 120, 16307-16315.	1.2	8
47	Exosomal microRNA and stroke: A review. Journal of Cellular Biochemistry, 2019, 120, 16352-16361.	1.2	24
48	NLRP3 inflammasome as a treatment target in atherosclerosis: A focus on statin therapy. International Immunopharmacology, 2019, 73, 146-155.	1.7	60
49	Pancreatic Î²â€cell regeneration: From molecular mechanisms to therapy. Journal of Cellular Biochemistry, 2019, 120, 14189-14200.	1.2	4
50	MicroRNAs and response to therapy in leukemia. Journal of Cellular Biochemistry, 2019, 120, 14233-14246.	1.2	6
51	Adiponectin alleviates NLRP3-inflammasome-mediated pyroptosis of aortic endothelial cells by inhibiting FoxO4 in arteriosclerosis. Biochemical and Biophysical Research Communications, 2019, 514, 266-272.	1.0	27
52	Innate immune regulatory networks in hepatic lipid metabolism. Journal of Molecular Medicine, 2019, 97, 593-604.	1.7	57
53	N4-acetylcytidine is required for sustained NLRP3 inflammasome activation via HMGB1 pathway in microglia. Cellular Signalling, 2019, 58, 44-52.	1.7	32
54	Metformin reduced NLRP3 inflammasome activity in Ox-LDL stimulated macrophages through adenosine monophosphate activated protein kinase and protein phosphatase 2A. European Journal of Pharmacology, 2019, 852, 99-106.	1.7	29

#	Article	IF	Citations
55	MicroRNA and exosome: Key players in rheumatoid arthritis. Journal of Cellular Biochemistry, 2019, 120, 10930-10944.	1.2	35
56	Circulating microRNAâ€133, microRNAâ€17 and microRNAâ€25 in serum and its potential diagnostic value in gastric cancer. Journal of Cellular Biochemistry, 2019, 120, 12376-12381.	1.2	23
57	Deletion of hematopoietic Dectin-2 or CARD9 does not protect against atherosclerotic plaque formation in hyperlipidemic mice. Scientific Reports, 2019, 9, 4337.	1.6	10
58	Microvascular complications in diabetes: A growing concern for cardiologists. International Journal of Cardiology, 2019, 291, 29-35.	0.8	93
59	Interleukin-18 in Health and Disease. International Journal of Molecular Sciences, 2019, 20, 649.	1.8	325
60	PPARâ€Î³: Its ligand and its regulation by microRNAs. Journal of Cellular Biochemistry, 2019, 120, 10893-10908.	1.2	13
61	Qingkailing injection ameliorates cerebral ischemia-reperfusion injury and modulates the AMPK/NLRP3 Inflammasome Signalling pathway. BMC Complementary and Alternative Medicine, 2019, 19, 320.	3.7	53
62	Modulatory Mechanisms of the NLRP3 Inflammasomes in Diabetes. Biomolecules, 2019, 9, 850.	1.8	154
63	Role of serum amyloid A in atherosclerosis. Current Opinion in Lipidology, 2019, 30, 320-325.	1.2	43
64	Exosomes and microRNAs: New potential therapeutic candidates in Alzheimer disease therapy. Journal of Cellular Physiology, 2019, 234, 2296-2305.	2.0	74
65	Molecular aspects of pancreatic Î²â€cell dysfunction: Oxidative stress, microRNA, and long noncoding RNA. Journal of Cellular Physiology, 2019, 234, 8411-8425.	2.0	60
66	Influenza vaccine: Where are we and where do we go?. Reviews in Medical Virology, 2019, 29, e2014.	3.9	67
67	Potential mechanisms underlying the cardiovascular benefits of sodium glucose cotransporter 2 inhibitors: a systematic review of data from preclinical studies. Cardiovascular Research, 2019, 115, 266-276.	1.8	38
68	Association of serum markers of oxidative stress with myocardial infarction and stroke: pooled results from four large European cohort studies. European Journal of Epidemiology, 2019, 34, 471-481.	2.5	25
69	Genetic and epigenetic contribution to astrocytic gliomas pathogenesis. Journal of Neurochemistry, 2019, 148, 188-203.	2.1	82
70	Chemopreventive and therapeutic potential of curcumin in esophageal cancer: Current and future status. International Journal of Cancer, 2019, 144, 1215-1226.	2.3	96
71	microRNAs: Key players in virusâ€associated hepatocellular carcinoma. Journal of Cellular Physiology, 2019, 234, 12188-12225.	2.0	52
72	Vaccines for colorectal cancer: an update. Journal of Cellular Biochemistry, 2019, 120, 8815-8828.	1.2	28

#	Article	IF	Citations
73	Curcumin: A new candidate for retinal disease therapy?. Journal of Cellular Biochemistry, 2019, 120, 6886-6893.	1.2	17
74	MicroRNA in leukemia: Tumor suppressors and oncogenes with prognostic potential. Journal of Cellular Physiology, 2019, 234, 8465-8486.	2.0	53
75	Expression of circulating miRâ€17, miRâ€25, and miRâ€133 in breast cancer patients. Journal of Cellular Biochemistry, 2019, 120, 7109-7114.	1.2	28
76	P2X Antagonists Inhibit HIV-1 Productive Infection and Inflammatory Cytokines Interleukin-10 (IL-10) and IL-1Î² in a Human Tonsil Explant Model. Journal of Virology, 2019, 93, .	1.5	31
77	Teethâ€derived stem cells: A source for cell therapy. Journal of Cellular Physiology, 2019, 234, 2426-2435.	2.0	15
78	Hyperglycemia aggravates acute liver injury by promoting liverâ€resident macrophage <scp>NLRP</scp>3 inflammasome activation via the inhibition of <scp>AMPK</scp>/<scp>mTOR</scp>â€mediated autophagy induction. Immunology and Cell Biology, 2020, 98, 54-66.	1.0	36
79	Cardiovascular effects of airborne particulate matter: A review of rodent model studies. Chemosphere, 2020, 242, 125204.	4.2	38
80	Cancer stem cells as therapeutic targets of pancreatic cancer. Fundamental and Clinical Pharmacology, 2020, 34, 202-212.	1.0	17
81	CCAAT/enhancer-binding protein beta (C/EBPÎ²) knockdown reduces inflammation, ER stress, and apoptosis, and promotes autophagy in oxLDL-treated RAW264.7 macrophage cells. Molecular and Cellular Biochemistry, 2020, 463, 211-223.	1.4	48
82	The atherogenic role of immune cells in familial hypercholesterolemia. IUBMB Life, 2020, 72, 782-789.	1.5	8
83	Ethyl pyruvate confers protection against endotoxemia and sepsis by inhibiting caspase-11-dependent cell pyroptosis. International Immunopharmacology, 2020, 78, 106016.	1.7	17
84	Inflammasome Activation in Human Macrophages Induced by a LDL (âˆ') Mimetic Peptide. Inflammation, 2020, 43, 722-730.	1.7	2
85	MicroRNAs as the actors in the atherosclerosis scenario. Journal of Physiology and Biochemistry, 2020, 76, 1-12.	1.3	30
86	Rutaecarpine derivative R3 attenuates atherosclerosis via inhibiting NLRP3 inflammasomeâ€related inflammation and modulating cholesterol transport. FASEB Journal, 2020, 34, 1398-1411.	0.2	21
87	The HO-1 Signal Prevents HMGB1-Mediated Activation of NLRP3 Inflammasomes in Lipopolysaccharide-Induced Acute Lung Injury InÂVitro. Journal of Surgical Research, 2020, 247, 335-343.	0.8	7
88	Interplay Between NLRP3 Inflammasome and Autophagy. Frontiers in Immunology, 2020, 11, 591803.	2.2	264
89	Macrophage pyroptosis is mediated by immunoproteasome subunit Î²5i (LMP7) in abdominal aortic aneurysm. Biochemical and Biophysical Research Communications, 2020, 533, 1012-1020.	1.0	12
90	Activation of CXCR7 promotes endothelial repair and reduces the carotid atherosclerotic lesions through inhibition of pyroptosis signaling pathways. Aging Cell, 2020, 19, e13205.	3.0	4

#	Article	IF	Citations
91	Juglanin suppresses oscillatory shear stress-induced endothelial dysfunction: An implication in atherosclerosis. International Immunopharmacology, 2020, 89, 107048.	1.7	4
92	ClC-2 inhibition prevents macrophage foam cell formation by suppressing Nlrp3 inflammasome activation. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2096-2103.	0.6	2
93	Nutraceutical Compounds Targeting Inflammasomes in Human Diseases. International Journal of Molecular Sciences, 2020, 21, 4829.	1.8	18
94	NLPR3 Inflammasomes and Their Significance for Atherosclerosis. Biomedicines, 2020, 8, 205.	1.4	23
95	IFN regulatory Factor-1 induced macrophage pyroptosis by modulating m6A modification of circ_0029589 in patients with acute coronary syndrome. International Immunopharmacology, 2020, 86, 106800.	1.7	71
96	MicroRNA-30c attenuates contrast-induced acute kidney injury by suppressing NLRP3 inflammasome. International Immunopharmacology, 2020, 87, 106457.	1.7	11
97	Oxidized LDL Disrupts Metabolism and Inhibits Macrophage Survival by Activating a miR-9/Drp1/Mitochondrial Fission Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-16.	1.9	10
98	Nuclear Factor Erythroid 2 Related Factor 2 Activator JC-5411 Inhibits Atherosclerosis Through Suppression of Inflammation and Regulation of Lipid Metabolism. Frontiers in Pharmacology, 2020, 11, 532568.	1.6	8
99	Fucoidan Inhibits NLRP3 Inflammasome Activation by Enhancing p62/SQSTM1-Dependent Selective Autophagy to Alleviate Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	1.9	34
100	Ferroptosis, necroptosis, and pyroptosis in anticancer immunity. Journal of Hematology and Oncology, 2020, 13, 110.	6.9	698
101	Paeonol inhibits NLRP3 mediated inflammation in rat endothelial cells by elevating hyperlipidemic rats plasma exosomal miRNA-223. European Journal of Pharmacology, 2020, 885, 173473.	1.7	45
102	Objective Short Sleep Duration is Related to the Peripheral Inflammasome Dysregulation in Patients with Chronic Insomnia . Nature and Science of Sleep, 2020, Volume 12, 759-766.	1.4	13
103	Recent insights on modulation of inflammasomes by adipokines: a critical event for the pathogenesis of obesity and metabolism-associated diseases. Archives of Pharmacal Research, 2020, 43, 997-1016.	2.7	32
104	Hydrogen Sulfide Plays an Important Role by Influencing NLRP3 inflammasome. International Journal of Biological Sciences, 2020, 16, 2752-2760.	2.6	17
105	The Reducing Effects of Pyrogallol-Phloroglucinol-6,6-Bieckol on High-Fat Diet-Induced Pyroptosis in Endothelial and Vascular Smooth Muscle Cells of Mice Aortas. Marine Drugs, 2020, 18, 648.	2.2	14
106	Oxidative Stress and Antioxidant Treatments in Cardiovascular Diseases. Antioxidants, 2020, 9, 1292.	2.2	86
107	NLRP3 sparks the Greek fire in the war against lipidâ€related diseases. Obesity Reviews, 2020, 21, e13045.	3.1	6
108	Anisodamine Suppressed the Growth of Hepatocellular Carcinoma Cells, Induced Apoptosis and Regulated the Levels of Inflammatory Factors by Inhibiting NLRP3 Inflammasome Activation . Drug Design, Development and Therapy, 2020, Volume 14, 1609-1620.	2.0	15

#	Article	IF	Citations
109	Interleukinâ€36 receptor antagonist attenuates atherosclerosis development by inhibiting NLRP3 inflammasome. Journal of Cellular Physiology, 2020, 235, 9992-9996.	2.0	12
110	Comparison of the Diagnostic Performances of Ultrasound, <scp>Highâ€Resolution</scp> Magnetic Resonance Imaging, and Positron Emission Tomography/Computed Tomography in a Rabbit Carotid Vulnerable Plaque Atherosclerosis Model. Journal of Ultrasound in Medicine, 2020, 39, 2201-2209.	0.8	5
111	The pluripotent role of exosomes in mediating non-coding RNA in ventricular remodeling after myocardial infarction. Life Sciences, 2020, 254, 117761.	2.0	10
112	The role of molecular mechanism of Ten-Eleven Translocation2 (TET2) family proteins in pathogenesis of cardiovascular diseases (CVDs). Molecular Biology Reports, 2020, 47, 5503-5509.	1.0	11
113	Idebenone Protects against Atherosclerosis in Apolipoprotein E-Deficient Mice Via Activation of the SIRT3-SOD2-mtROS Pathway. Cardiovascular Drugs and Therapy, 2021, 35, 1129-1145.	1.3	25
114	Quartz Dust Exposure Affects NLRP3 Inflammasome Activation and Plasma Levels of IL-18 and IL-1Ra in Iron Foundry Workers. Mediators of Inflammation, 2020, 2020, 1-10.	1.4	15
115	Ox-LDL Causes Endothelial Cell Injury Through ASK1/NLRP3-Mediated Inflammasome Activation via Endoplasmic Reticulum Stress . Drug Design, Development and Therapy, 2020, Volume 14, 731-744.	2.0	37
116	MicroRNA-200a Inhibits Inflammation and Atherosclerotic Lesion Formation by Disrupting EZH2-Mediated Methylation of STAT3. Frontiers in Immunology, 2020, 11, 907.	2.2	27
117	Thioredoxin-1 attenuates atherosclerosis development through inhibiting NLRP3 inflammasome. Endocrine, 2020, 70, 65-70.	1.1	17
118	Pyroptosis: A pro-inflammatory type of cell death in cardiovascular disease. Clinica Chimica Acta, 2020, 510, 62-72.	0.5	96
119	The pharmacological properties of chrysophanol, the recent advances. Biomedicine and Pharmacotherapy, 2020, 125, 110002.	2.5	51
120	Inhibition of the ox-LDL-Induced Pyroptosis by FGF21 of Human Umbilical Vein Endothelial Cells Through the TET2-UQCRC1-ROS Pathway. DNA and Cell Biology, 2020, 39, 661-670.	0.9	25
121	Peripheral-to-central immune communication at the area postrema glial-barrier following bleomycin-induced sterile lung injury in adult rats. Brain, Behavior, and Immunity, 2020, 87, 610-633.	2.0	14
122	NLRP3 Inflammasome and Inflammatory Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	131
123	Antioxidant and Anti-Inflammatory Properties of Cherry Extract: Nanosystems-Based Strategies to Improve Endothelial Function and Intestinal Absorption. Foods, 2020, 9, 207.	1.9	24
124	13-Methylberberine improves endothelial dysfunction by inhibiting NLRP3 inflammasome activation via autophagy induction in human umbilical vein endothelial cells. Chinese Medicine, 2020, 15, 8.	1.6	13
125	Trimethylamine Nâ€oxide promotes apoE^{â^'/â^'} mice atherosclerosis by inducing vascular endothelial cell pyroptosis via the SDHB/ROS pathway. Journal of Cellular Physiology, 2020, 235, 6582-6591.	2.0	78
126	NLRP3 Inflammasome: A Potential Alternative Therapy Target for Atherosclerosis. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	0.5	14

#	Article	IF	Citations
127	Ferroptosis as an emerging target in inflammatory diseases. Progress in Biophysics and Molecular Biology, 2020, 155, 20-28.	1.4	116
128	Possible Role of Mitochondrial DNA Mutations in Chronification of Inflammation: Focus on Atherosclerosis. Journal of Clinical Medicine, 2020, 9, 978.	1.0	23
129	Roles of Perivascular Adipose Tissue in Hypertension and Atherosclerosis. Antioxidants and Redox Signaling, 2021, 34, 736-749.	2.5	38
130	Cardiac complications in inherited mitochondrial diseases. Heart Failure Reviews, 2021, 26, 391-403.	1.7	15
131	Low shear stress induced vascular endothelial cell pyroptosis by TET2/SDHB/ROS pathway. Free Radical Biology and Medicine, 2021, 162, 582-591.	1.3	32
132	Platelet-derived extracellular vesicles to target plaque inflammation for effective anti-atherosclerotic therapy. Journal of Controlled Release, 2021, 329, 445-453.	4.8	57
133	Estrogen prevent atherosclerosis by attenuating endothelial cell pyroptosis via activation of estrogen receptor Î±-mediated autophagy. Journal of Advanced Research, 2021, 28, 149-164.	4.4	86
134	Bone marrowâ€derived mesenchymal stem cells microvesicles stabilize atherosclerotic plaques by inhibiting NLRP3â€mediated macrophage pyroptosis. Cell Biology International, 2021, 45, 820-830.	1.4	17
135	An overview of disease models for NLRP3 inflammasome over-activation. Expert Opinion on Drug Discovery, 2021, 16, 429-446.	2.5	10
136	Identification and verification of vascular cell adhesion protein 1 as an immune-related hub gene associated with the tubulointerstitial injury in diabetic kidney disease. Bioengineered, 2021, 12, 6655-6673.	1.4	27
137	Euphopias Dâ€“F from Euphorbia L.: quantum chemical calculation-based structure elucidation and their bioactivity of inhibiting NLRP3 inflammasome activation. Organic Chemistry Frontiers, 2021, 8, 3041-3046.	2.3	12
138	The NLRP3 inflammasome: Multiple activation pathways and its role in primary cells during ventricular remodeling. Journal of Cellular Physiology, 2021, 236, 5547-5563.	2.0	27
139	Do Mitochondrial DNA Mutations Play a Key Role in the Chronification of Sterile Inflammation? Special Focus on Atherosclerosis. Current Pharmaceutical Design, 2021, 27, 276-292.	0.9	5
140	PCSK9 mediates the oxidative lowâ€density lipoproteinâ€induced pyroptosis of vascularÂendothelialÂcells via the UQCRC1/ROS pathway. International Journal of Molecular Medicine, 2021, 47, .	1.8	16
141	Mitochondrial Oxidative Stress and â€œMito-Inflammationâ€: Actors in the Diseases. Biomedicines, 2021, 9, 216.	1.4	63
142	Intermittent high glucose induces pyroptosis of rat H9C2 cardiomyocytes via sodiumâ€“glucose cotransporter 1. Molecular and Cellular Biochemistry, 2021, 476, 2479-2489.	1.4	8
143	Regulation of the NLRP3 Inflammasome by Post-Translational Modifications and Small Molecules. Frontiers in Immunology, 2020, 11, 618231.	2.2	42
144	S100A9 blockade prevents lipopolysaccharide-induced lung injury via suppressing the NLRP3 pathway. Respiratory Research, 2021, 22, 45.	1.4	27

#	Article	IF	Citations
145	Purinergic Signaling in Controlling Macrophage and T Cell Functions During Atherosclerosis Development. Frontiers in Immunology, 2020, 11, 617804.	2.2	12
146	Role of pyroptosis in atherosclerosis and its therapeutic implications. Journal of Cellular Physiology, 2021, 236, 7159-7175.	2.0	31
148	Chronic intermittent hypoxia-induced mitochondrial dysfunction mediates endothelial injury via the TXNIP/NLRP3/IL-1Î² signaling pathway. Free Radical Biology and Medicine, 2021, 165, 401-410.	1.3	32
149	Ketone Body 3â€Hydroxybutyrate Ameliorates Atherosclerosis via Receptor Gpr109aâ€Mediated Calcium Influx. Advanced Science, 2021, 8, 2003410.	5.6	41
150	Pyroptosis is a critical immune-inflammatory response involved in atherosclerosis. Pharmacological Research, 2021, 165, 105447.	3.1	80
151	MicroRNAâ€302câ€3p inhibits endothelial cell pyroptosis via directly targeting NODâ€, LRRâ€•and pyrin domainâ€•containing protein 3 in atherosclerosis. Journal of Cellular and Molecular Medicine, 2021, 25, 4373-4386.	1.6	22
152	Autophagy blockage promotes the pyroptosis of ox-LDL-treated macrophages by modulating the p62/Nrf2/ARE axis. Journal of Physiology and Biochemistry, 2021, 77, 419-429.	1.3	19
153	BBG enhances OLT1177-induced NLRP3 inflammasome inactivation by targeting P2X7R/NLRP3 and MyD88/NF-ÎºB signaling in DSS-induced colitis in rats. Life Sciences, 2021, 270, 119123.	2.0	40
154	Intermedin1-53 attenuates atherosclerotic plaque vulnerability by inhibiting CHOP-mediated apoptosis and inflammasome in macrophages. Cell Death and Disease, 2021, 12, 436.	2.7	14
155	Modulation of Bovine Endometrial Cell Receptors and Signaling Pathways as a Nanotherapeutic Exploration against Dairy Cow Postpartum Endometritis. Animals, 2021, 11, 1516.	1.0	1
156	CY-09 attenuates the progression of osteoarthritis via inhibiting NLRP3 inflammasome-mediated pyroptosis. Biochemical and Biophysical Research Communications, 2021, 553, 119-125.	1.0	36
157	Cervical Cancer Diagnosis: Insights into Biochemical Biomarkers and Imaging Techniques. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 605-623.	0.6	4
158	LncRNA HOTTIP inhibits cell pyroptosis by targeting miRâ€148aâ€3p/AKT2 axis in ovarian cancer. Cell Biology International, 2021, 45, 1487-1497.	1.4	46
159	Melatonin Alleviates Acute Gouty Inflammation In Vivo and In Vitro. Current Medical Science, 2021, 41, 757-763.	0.7	2
160	Free Fatty Acid Increases the Expression of NLRP3-Caspase1 in Adipose Tissue Macrophages in Obese Severe Acute Pancreatitis. Digestive Diseases and Sciences, 2022, 67, 2220-2231.	1.1	6
161	Quercetin Attenuates Atherosclerotic Inflammation by Inhibiting Galectinâ€3â€NLRP3 Signaling Pathway. Molecular Nutrition and Food Research, 2021, 65, e2000746.	1.5	43
162	Melatonin inhibits vascular endothelial cell pyroptosis by improving mitochondrial function via up-regulation and demethylation of UQCRC1. Biochemistry and Cell Biology, 2021, 99, 339-347.	0.9	13
163	Metformin, Macrophage Dysfunction and Atherosclerosis. Frontiers in Immunology, 2021, 12, 682853.	2.2	59

#	Article	IF	Citations
164	Circulating Mitochondrial DNA Stimulates Innate Immune Signaling Pathways to Mediate Acute Kidney Injury. Frontiers in Immunology, 2021, 12, 680648.	2.2	21
165	Effects of different intensities of continuous training on vascular inflammation and oxidative stress in spontaneously hypertensive rats. Journal of Cellular and Molecular Medicine, 2021, 25, 8522-8536.	1.6	13
166	Mechanosensitive Piezo1 Channel Evoked-Mechanical Signals in Atherosclerosis. Journal of Inflammation Research, 2021, Volume 14, 3621-3636.	1.6	20
167	Up-regulation of microRNA-135 or silencing of PCSK6 attenuates inflammatory response in preeclampsia by restricting NLRP3 inflammasome. Molecular Medicine, 2021, 27, 82.	1.9	14
168	Exercise training mitigates ER stress and UCP2 deficiency-associated coronary vascular dysfunction in atherosclerosis. Scientific Reports, 2021, 11, 15449.	1.6	20
169	Mechanisms underlying the therapeutic potential of mesenchymal stem cells in atherosclerosis. Regenerative Medicine, 2021, 16, 669-682.	0.8	14
170	Recognition of Oxidized Lipids by Macrophages and Its Role in Atherosclerosis Development. Biomedicines, 2021, 9, 915.	1.4	36
171	Cystatin C Deficiency Increases LPS-Induced Sepsis and NLRP3 Inflammasome Activation in Mice. Cells, 2021, 10, 2071.	1.8	12
172	Targeting NLRP3 Inflammasome in Translational Treatment of Nervous System Diseases: An Update. Frontiers in Pharmacology, 2021, 12, 707696.	1.6	25
173	Chemical Modulation of Gasdermin-Mediated Pyroptosis and Therapeutic Potential. Journal of Molecular Biology, 2022, 434, 167183.	2.0	22
174	Oxymatrine attenuates oxidized lowâ€‘density lipoproteinâ€‘induced HUVEC injury by inhibiting NLRP3 inflammasomeâ€‘mediated pyroptosis via the activation of the SIRT1/Nrf2 signaling pathway. International Journal of Molecular Medicine, 2021, 48, .	1.8	30
175	TAK1 mediates neuronal pyroptosis in early brain injury after subarachnoid hemorrhage. Journal of Neuroinflammation, 2021, 18, 188.	3.1	56
176	Pyroptosis: A promising therapeutic target for noninfectious diseases. Cell Proliferation, 2021, 54, e13137.	2.4	22
177	Therapeutic Targeting of Inflammatory Pathways with Emphasis on NLRP3 Inflammasomes by Natural Products: A Novel Approach for the Treatment of Inflammatory Eye Diseases. Current Medicinal Chemistry, 2022, 29, 2891-2912.	1.2	3
178	Melatonin attenuates low shear stressâ€‘induced pyroptosis and endothelial cell dysfunction via the RORÎ±/miRâ€‘223/STATâ€‘3 signalling pathway. Experimental and Therapeutic Medicine, 2021, 22, 1392.	0.8	10
179	Huang-Lian-Jie-Du Decoction Attenuates Atherosclerosis and Increases Plaque Stability in High-Fat Diet-Induced ApoE-/- Mice by Inhibiting M1 Macrophage Polarization and Promoting M2 Macrophage Polarization. Frontiers in Physiology, 2021, 12, 666449.	1.3	18
180	Antidiabetic drugs and oxidized low-density lipoprotein: A review of anti-atherosclerotic mechanisms. Pharmacological Research, 2021, 172, 105819.	3.1	14
181	NLRP3 inflammasome blocked the glycolytic pathway via targeting to PKLR in arsenic-induced hepatic insulin resistance. Ecotoxicology and Environmental Safety, 2021, 223, 112590.	2.9	10

#	Article	IF	Citations
182	The protective effects of naproxen against interleukin-1Î² (IL-1Î²)- induced damage in human umbilical vein endothelial cells (HUVECs). Bioengineered, 2021, 12, 5361-5372.	1.4	6
183	Natural products: The role and mechanism in lowâ€density lipoprotein oxidation and atherosclerosis. Phytotherapy Research, 2021, 35, 2945-2967.	2.8	43
184	FGF21 mitigates atherosclerosis via inhibition of NLRP3 inflammasome-mediated vascular endothelial cells pyroptosis. Experimental Cell Research, 2020, 393, 112108.	1.2	59
187	Liquefaction of the Brain following Stroke Shares a Similar Molecular and Morphological Profile with Atherosclerosis and Mediates Secondary Neurodegeneration in an Osteopontin-Dependent Mechanism. ENeuro, 2018, 5, ENEURO.0076-18.2018.	0.9	33
188	Electrical stimulation inhibits Val-boroPro-induced pyroptosis in THP-1 macrophages via sirtuin3 activation to promote autophagy and inhibit ROS generation. Aging, 2020, 12, 6415-6435.	1.4	33
189	Cellular Stress and General Pathological Processes. Current Pharmaceutical Design, 2019, 25, 251-297.	0.9	27
190	New Insights into the Mechanisms of Pyroptosis and Implications for Diabetic Kidney Disease. International Journal of Molecular Sciences, 2020, 21, 7057.	1.8	76
191	Chronic obstructive pulmonary disease: MicroRNAs and exosomes as new diagnostic and therapeutic biomarkers. Journal of Research in Medical Sciences, 2018, 23, 27.	0.4	46
192	IL-1Î² in atherosclerotic vascular calcification: From bench to bedside. International Journal of Biological Sciences, 2021, 17, 4353-4364.	2.6	11
193	Pyroptosis-Induced Inflammation and Tissue Damage. Journal of Molecular Biology, 2022, 434, 167301.	2.0	44
195	Atherosclerosis Risk Factors. , 2019, , 9-45.		0
197	Research Perspectives of NLRP3 in the Pathogenesis of Cardiovascular Diseases. Advances in Clinical Medicine, 2020, 10, 1102-1107.	0.0	0
198	Pyroptosis: A possible link between obesityâ€related inflammation and inflammatory diseases. Journal of Cellular Physiology, 2022, 237, 1245-1265.	2.0	13
199	Dyslipidemia, Diabetes and Atherosclerosis: Role of Inflammation and ROS-Redox-Sensitive Factors. Biomedicines, 2021, 9, 1602.	1.4	33
200	Luteolin alleviates NLRP3 inflammasome activation and directs macrophage polarization in lipopolysaccharide-stimulated RAW264.7 cells. American Journal of Translational Research (discontinued), 2018, 10, 265-273.	0.0	37
201	Autophagy in inflammation: the p38Î± MAPK-ULK1 axis. Macrophage, 2018, 5, .	1.0	2
202	XIST Inhibition Attenuates Calcium Oxalate Nephrocalcinosis-Induced Renal Inflammation and Oxidative Injury via the miR-223/NLRP3 Pathway. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1676152.	1.9	2
203	Construction of Risk Prediction Model for Pyroptosis Related Genes in Pancreatic Adenocarcinoma. Advances in Clinical Medicine, 2021, 11, 5304-5312.	0.0	0

#	Article	IF	Citations
204	SUR1-E1506K mutation impairs glucose tolerance and promotes vulnerable atherosclerotic plaque phenotype in hypercholesterolemic mice. PLoS ONE, 2021, 16, e0258408.	1.1	1
205	H. pylori CagA activates the NLRP3 inflammasome to promote gastric cancer cell migration and invasion. Inflammation Research, 2022, 71, 141-155.	1.6	34
206	Interference with lysophosphatidic acid receptor 5 ameliorates oxidized low-density lipoprotein-induced human umbilical vein endothelial cell injury by inactivating NOD-like receptor family, pyrin domain containing 3 inflammasome signaling. Bioengineered, 2021, 12, 8089-8099.	1.4	6
207	Alliin alleviates LPS-induced pyroptosis via promoting mitophagy in THP-1 macrophages and mice. Food and Chemical Toxicology, 2022, 160, 112811.	1.8	18
208	Sodium glucose cotransporter 1 (SGLT1) inhibitors in cardiovascular protection: Mechanism progresses and challenges. Pharmacological Research, 2022, 176, 106049.	3.1	7
209	NLRP3 promotes immune escape by regulating immune checkpoints: A pan-cancer analysis. International Immunopharmacology, 2022, 104, 108512.	1.7	24
210	XIST Inhibition Attenuates Calcium Oxalate Nephrocalcinosis-Induced Renal Inflammation and Oxidative Injury via the miR-223/NLRP3 Pathway. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	15
211	Autophagy, Pyroptosis, and Ferroptosis: New Regulatory Mechanisms for Atherosclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 809955.	1.8	45
212	Involvement of Inflammasome Components in Kidney Disease. Antioxidants, 2022, 11, 246.	2.2	19
213	The Function, Regulation and Mechanism of Programmed Cell Death of Macrophages in Atherosclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 809516.	1.8	14
214	miR-155 activates the NLRP3 inflammasome by regulating the MEK/ERK/NF-ÎºB pathway in carotid atherosclerotic plaques in ApoEâ^'/â^' mice. Journal of Physiology and Biochemistry, 2022, 78, 365-375.	1.3	11
215	A pilot exploration of multi-omics research of gut microbiome in major depressive disorders. Translational Psychiatry, 2022, 12, 8.	2.4	27
216	NLRP3 Inflammasome in Vascular Disease: A Recurrent Villain to Combat Pharmacologically. Antioxidants, 2022, 11, 269.	2.2	6
217	Role of Mitophagy in Coronary Heart Disease: Targeting the Mitochondrial Dysfunction and Inflammatory Regulation. Frontiers in Cardiovascular Medicine, 2022, 9, 819454.	1.1	8
218	Inflammation as a Mechanism and Therapeutic Target in Peripheral Artery Disease. Canadian Journal of Cardiology, 2022, 38, 588-600.	0.8	7
219	Role of Pyroptosis and Ferroptosis in the Progression of Atherosclerotic Plaques. Frontiers in Cell and Developmental Biology, 2022, 10, 811196.	1.8	10
220	Macrophage polarization by potential nutraceutical compounds: A strategic approach to counteract inflammation in atherosclerosis. Free Radical Biology and Medicine, 2022, 181, 251-269.	1.3	5
221	Atherosclerosis in HIV Patients: What Do We Know so Far?. International Journal of Molecular Sciences, 2022, 23, 2504.	1.8	13

#	Article	IF	Citations
222	The Molecular Pathways of Pyroptosis in Atherosclerosis. Frontiers in Cell and Developmental Biology, 2022, 10, 824165.	1.8	10
223	Macrophage Subsets and Death Are Responsible for Atherosclerotic Plaque Formation. Frontiers in Immunology, 2022, 13, 843712.	2.2	17
224	Silica nanoparticles induce pyroptosis and cardiac hypertrophy via ROS/NLRP3/Caspase-1 pathway. Free Radical Biology and Medicine, 2022, 182, 171-181.	1.3	37
225	Role of Pyroptosis in Respiratory Diseases and its Therapeutic Potential. Journal of Inflammation Research, 2022, Volume 15, 2033-2050.	1.6	8
226	MicroRNA-223-3p inhibits oxidized low-density lipoprotein-mediated NLRP3 inflammasome activation via directly targeting NLRP3 and FOXO3. Clinical Hemorheology and Microcirculation, 2022, 81, 241-253.	0.9	7
227	New Highly Potent NLRP3 Inhibitors: Furanochalcone Velutone F Analogues. ACS Medicinal Chemistry Letters, 2022, 13, 560-569.	1.3	4
228	Inflammasomes as Potential Therapeutic Targets in Atherosclerotic Cardiovascular Disease. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2022, 22, 1378-1389.	0.6	1
229	The mitochondrial antioxidant SS-31 attenuated lipopolysaccharide-induced apoptosis and pyroptosis of nucleus pulposus cells via scavenging mitochondrial ROS and maintaining the stability of mitochondrial dynamics. Free Radical Research, 2021, 55, 1080-1093.	1.5	13
230	The role of FGF21 in the pathogenesis of cardiovascular disease. Chinese Medical Journal, 2021, 134, 2931-2943.	0.9	25
231	Spotlight on NLRP3 Inflammasome: Role in Pathogenesis and Therapies of Atherosclerosis. Journal of Inflammation Research, 2021, Volume 14, 7143-7172.	1.6	19
232	NLRP3-Mediated Inflammation in Atherosclerosis and Associated Therapeutics. Frontiers in Cell and Developmental Biology, 2022, 10, 823387.	1.8	12
244	Inflammation and atherosclerosis: signaling pathways and therapeutic intervention. Signal Transduction and Targeted Therapy, 2022, 7, 131.	7.1	190
245	NF-Î°B/ABCA1 pathway aggravates ox-LDL-induced cell pyroptosis by activation of NLRP3 inflammasomes in THP-1-derived macrophages. Molecular Biology Reports, 2022, 49, 6161-6171.	1.0	10
246	Pyroptosis in inflammatory diseases and cancer. Theranostics, 2022, 12, 4310-4329.	4.6	91
247	3,4,5-O-tricaffeoylquinic acid with anti-radiation activity suppresses LPS-induced NLRP3 inflammasome activation via autophagy in THP-1 macrophages. Molecular Immunology, 2022, 147, 187-198.	1.0	0
248	Non-coding RNA-based regulation of inflammation. Seminars in Immunology, 2022, 59, 101606.	2.7	40
249	Identification and Validation of Candidate Gene Module Along With Immune Cells Infiltration Patterns in Atherosclerosis Progression to Plaque Rupture via Transcriptome Analysis. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	8
250	ExpresiÃ³n de los componentes del inflamasoma y su relaciÃ³n con los marcadores de riesgo cardiovascular en personas con infecciÃ³n por HIV-1. Biomedica, 2022, 42, 239-241.	0.3	0

#	Article	IF	Citations
251	Diabetes Mellitus Promotes the Development of Atherosclerosis: The Role of NLRP3. Frontiers in Immunology, 0, 13, .	2.2	15
252	Lipoprotein(a) in Cardiovascular Diseases: Insight From a Bibliometric Study. Frontiers in Public Health, 0, 10, .	1.3	4
253	The Future Landscape of Macrophage Research in Cardiovascular Disease: A Bibliometric Analysis. Current Problems in Cardiology, 2022, 47, 101311.	1.1	19
254	Macrophages: A communication network linking Porphyromonas gingivalis infection and associated systemic diseases. Frontiers in Immunology, 0, 13, .	2.2	13
255	Global research trends in atherosclerosis: A bibliometric and visualized study. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	6
256	NLRP3 Inflammasome in Atherosclerosis: Putting Out the Fire of Inflammation. Inflammation, 2023, 46, 35-46.	1.7	11
257	New insights into macrophage subsets in atherosclerosis. Journal of Molecular Medicine, 2022, 100, 1239-1251.	1.7	3
258	Pinocembrin suppresses oxidized low-density lipoprotein-triggered NLRP3 inflammasome/GSDMD-mediated endothelial cell pyroptosis through an Nrf2-dependent signaling pathway. Scientific Reports, 2022, 12, .	1.6	2
259	Empagliflozin inhibits macrophage inflammation through AMPK signaling pathway and plays an anti-atherosclerosis role. International Journal of Cardiology, 2022, 367, 56-62.	0.8	13
260	MiR-199a-5p-containing macrophage-derived extracellular vesicles inhibit SMARCA4 and alleviate atherosclerosis by reducing endothelial cell pyroptosis. Cell Biology and Toxicology, 2023, 39, 591-605.	2.4	6
261	Crocin mitigates atherosclerotic progression in LDLR knockout mice by hepatic oxidative stress and inflammatory reaction reduction, and intestinal barrier improvement and gut microbiota modulation. Journal of Functional Foods, 2022, 96, 105221.	1.6	1
262	LncRNA Gaplinc promotes the pyroptosis of vascular endothelial cells through SP1 binding to enhance NLRP3 transcription in atherosclerosis. Cellular Signalling, 2022, 99, 110420.	1.7	8
263	NLRP3 Inflammasome/Pyroptosis: A Key Driving Force in Diabetic Cardiomyopathy. International Journal of Molecular Sciences, 2022, 23, 10632.	1.8	12
264	Pyroptosis in NLRP3 inflammasome-related atherosclerosis. Cell Stress, 2022, 6, 79-88.	1.4	8
265	Leptin-depended NLRP3 inflammasome activation in osteoarthritic chondrocytes is mediated by ROS. Mechanisms of Ageing and Development, 2022, 208, 111730.	2.2	4
266	Interleukin-18 and cardiovascular diseases: a literature review. Rossiiskii Meditsinskii Zhurnal: Organ Ministerstva Zdravookhraneniia RSFSR, 2022, 28, 201-214.	0.1	0
267	Molecular Mechanisms of Inflammasome in Ischemic Stroke Pathogenesis. Pharmaceuticals, 2022, 15, 1168.	1.7	10
268	NLRP3 inflammasome: The rising star in cardiovascular diseases. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	25

#	Article	IF	Citations
269	NF-Î²B and its crosstalk with endoplasmic reticulum stress in atherosclerosis. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	7
270	Aerobic exercise alleviates pyroptosis-related diseases by regulating NLRP3 inflammasome. Frontiers in Physiology, 0, 13, .	1.3	8
271	Annexin A1 inhibition facilitates NLRP3 inflammasome activation in arsenic-induced insulin resistance in rat liver. Environmental Toxicology and Pharmacology, 2022, 96, 103981.	2.0	6
272	A bibliometric analysis of autophagy in atherosclerosis from 2012 to 2021. Frontiers in Pharmacology, 0, 13, .	1.6	0
273	Promising influences of gingerols against metabolic syndrome: A mechanistic review. BioFactors, 2022, 48, 993-1004.	2.6	7
274	System analysis based on the pyroptosis-related genes identifies GSDMC as a novel therapy target for pancreatic adenocarcinoma. Journal of Translational Medicine, 2022, 20, .	1.8	14
275	Resveratrol inhibiting TGF/ERK signaling pathway can improve atherosclerosis: backgrounds, mechanisms and effects. Biomedicine and Pharmacotherapy, 2022, 155, 113775.	2.5	10
276	LncRNA FENDRR with m6A RNA methylation regulates hypoxia-induced pulmonary artery endothelial cell pyroptosis by mediating DRP1 DNA methylation. Molecular Medicine, 2022, 28, .	1.9	18
278	Intervention time decides the status of autophagy, NLRP3 activity and apoptosis in macrophages induced by oxâ€LDL. Lipids in Health and Disease, 2022, 21, .	1.2	1
279	The macrophage senescence hypothesis: the role of poor heat shock response in pulmonary inflammation and endothelial dysfunction following chronic exposure to air pollution. Inflammation Research, 2022, 71, 1433-1448.	1.6	5
280	To Investigate the Predictive Value of TyG and SAA in Atherosclerosis. Advances in Clinical Medicine, 2022, 12, 10019-10025.	0.0	0
281	Non-canonical NF-Î²B contributes to endothelial pyroptosis and atherogenesis dependent on IRF-1. Translational Research, 2023, 255, 1-13.	2.2	4
282	Sodium Tanshinone IIA Sulfonate Inhibits Vascular Endothelial Cell Pyroptosis via the AMPK Signaling Pathway in Atherosclerosis. Journal of Inflammation Research, 0, Volume 15, 6293-6306.	1.6	6
283	Chronic high-fat diet induces galectin-3 and TLR4 to activate NLRP3 inflammasome in NASH. Journal of Nutritional Biochemistry, 2023, 112, 109217.	1.9	4
284	Effects of n-butanol extract of Pulsatilla decoction on the NLRP3 inflammasome in macrophages infected with Candida albicans. Journal of Ethnopharmacology, 2023, 304, 116041.	2.0	6
285	Pyroptosis and Its Role in Cervical Cancer. Cancers, 2022, 14, 5764.	1.7	5
286	Calciprotein Particles Cause Physiologically Significant Pro-Inflammatory Response in Endothelial Cells and Systemic Circulation. International Journal of Molecular Sciences, 2022, 23, 14941.	1.8	6
287	Effects and mechanisms of SGLT2 inhibitors on the NLRP3 inflammasome, with a focus on atherosclerosis. Frontiers in Endocrinology, 0, 13, .	1.5	5

#	Article	IF	Citations
288	Mitochondrial dysfunction in vascular endothelial cells and its role in atherosclerosis. Frontiers in Physiology, 0, 13, .	1.3	23
289	Inappropriate Activation of TLR4/NF-Î²B is a Cause of Heart Failure. Cardiovascular Innovations and Applications, 2022, 7, .	0.1	1
290	Short-Chain Fatty Acids Weaken Ox-LDL-Induced Cell Inflammatory Injury by Inhibiting the NLRP3/Caspase-1 Pathway and Affecting Cellular Metabolism in THP-1 Cells. Molecules, 2022, 27, 8801.	1.7	9
291	The Potential of Melatonin to Treat Atherosclerosis by Targeting Mitochondria. Current Topics in Medicinal Chemistry, 2023, 23, 848-859.	1.0	2
292	MgCl2 Attenuates ox-LDL-Induced Vascular Smooth Muscleâ€“Derived Foam Cells Pyroptosis by Downregulating the TLR4/NF-Î²B Signaling Pathway. Biological Trace Element Research, 2023, 201, 5242-5256.	1.9	3
293	Interleukin-37 ameliorates atherosclerosis by regulating autophagy-mediated endothelial cell apoptosis and inflammation. International Immunopharmacology, 2023, 118, 110098.	1.7	3
294	Epigallocatechin-3-gallate alleviates trans, trans-2,4-decadienal-induced endothelial pyroptosis and dysfunction by inhibiting NLRP3 inflammasome activation. Journal of Functional Foods, 2023, 101, 105428.	1.6	0
295	Anti-malarial artesunate ameliorates atherosclerosis by modulating arterial inflammatory responses via inhibiting the NF-Î²Bâ€“NLRP3 inflammasome pathway. Frontiers in Pharmacology, 0, 14, .	1.6	4
296	Ginsenoside Rg3 Ameliorates DSS-Induced Colitis by Inhibiting NLRP3 Inflammasome Activation and Regulating Microbial Homeostasis. Journal of Agricultural and Food Chemistry, 2023, 71, 3472-3483.	2.4	2
297	Interactions between PCSK9 and NLRP3 inflammasome signaling in atherosclerosis. Frontiers in Immunology, 0, 14, .	2.2	5
298	Current understanding of plant-derived exosome-like nanoparticles in regulating the inflammatory response and immune system microenvironment. Pharmacological Research, 2023, 190, 106733.	3.1	21
299	NR3C2 mediates oxidised low-density lipoprotein-induced human coronary endothelial cells dysfunction via modulation of NLRP3 inflammasome activation. Autoimmunity, 2023, 56, .	1.2	4
300	Catechins: Protective mechanism of antioxidant stress in atherosclerosis. Frontiers in Pharmacology, 0, 14, .	1.6	4
301	The Role of Post-Translational Modifications in Regulation of NLRP3 Inflammasome Activation. International Journal of Molecular Sciences, 2023, 24, 6126.	1.8	6
302	Inflammation macrophages contribute to cardiac homeostasis. Cardiology Plus, 0, Publish Ahead of Print, .	0.2	1
303	Pyroptosis and its role in cancer. World Journal of Clinical Cases, 0, 11, 2386-2395.	0.3	3
304	Bibliometric evaluation of publications on inflammasomes in atherosclerosis from 2002 to 2022. Frontiers in Cardiovascular Medicine, 0, 10, .	1.1	1
305	Bibliometric analysis and mini-review of global research on pyroptosis in the field of cancer. Apoptosis: an International Journal on Programmed Cell Death, 0, , .	2.2	0

#	Article	IF	Citations
316	Atherosklerose-Risikofaktoren. , 2023, , 9-47.		0
320	Oxidants and Antioxidants Interplay in the Modulation of Inflammation and Cardiovascular Disease. , 2023, , 112-127.		0
328	Research Progress on Histone Deacetylases Regulating Programmed Cell Death in Atherosclerosis. Journal of Cardiovascular Translational Research, 0, , .	1.1	0
330	Cytokines, Chemokines, Inflammasomes, Myokines and Complement-Related Factors in Acute Kidney Injury. , 2023, , 59-81.		1