Expression of specific inflammasome gene modules stra extreme clinical and immunological states

Nature Medicine

23, 174-184

DOI: 10.1038/nm.4267

Citation Report

#	Article	IF	Citations
1	Inflammasome-related ageing. Nature Reviews Immunology, 2017, 17, 77-77.	10.6	6
2	The Dark Age(ing) of the Inflammasome. Immunity, 2017, 46, 173-175.	6.6	5
3	Old, caffeinated, and healthy. Nature Reviews Cardiology, 2017, 14, 194-196.	6.1	3
4	Platelet-Derived Interleukin-1Î² Fuels the Fire in Blood Vessels in Systemic Lupus Erythematosus. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 607-608.	1.1	6
5	Microfluidics as a Strategic Player to Decipher Single-Cell Omics?. Trends in Biotechnology, 2017, 35, 713-727.	4.9	27
6	Systems immunology: just getting started. Nature Immunology, 2017, 18, 725-732.	7.0	194
7	Inflammasomes, the cardinal pathology mediators are activated by pathogens, allergens and mutagens: A critical review with focus on NLRP3. Biomedicine and Pharmacotherapy, 2017, 92, 819-825.	2.5	38
8	CANTOS Trial Validates the Inflammatory Pathogenesis of Atherosclerosis. Circulation Research, 2017, 121, 1119-1121.	2.0	59
9	Determining T-cell specificity to understand and treat disease. Nature Biomedical Engineering, 2017, 1, 784-795.	11.6	10
10	Association Between Coffee Consumption and Circulating Levels of Adiponectin and Leptin. Journal of Medicinal Food, 2017, 20, 1068-1075.	0.8	6
11	Extracellular nucleosides and nucleotides as immunomodulators. Immunological Reviews, 2017, 280, 83-92.	2.8	98
12	Antiinflammatory Therapy with Canakinumab for Atherosclerotic Disease. New England Journal of Medicine, 2017, 377, 1119-1131.	13.9	6,227
13	Molecular mechanisms of inflammasome signaling. Journal of Leukocyte Biology, 2018, 103, 233-257.	1.5	146
14	Nutrition, inflammation and cancer. Nature Immunology, 2017, 18, 843-850.	7.0	313
15	Systems biology of personalized nutrition. Nutrition Reviews, 2017, 75, 579-599.	2.6	62
16	GDF-15 (Growth Differentiation Factor 15) Is Associated With Lack of Ventricular Recovery and Mortality After Transcatheter Aortic Valve Replacement. Circulation: Cardiovascular Interventions, 2017, 10, .	1.4	27
17	Introductory Chapter: Caffeine, a Major Component of Nectar of the Gods and Favourite Beverage of Kings, Popes, Artists and Revolutionists, a Drug or a Poison?. , 2017, , .		1
18	The Aging Risk and Atherosclerosis: A Fresh Look at Arterial Homeostasis. Frontiers in Genetics, 2017, 8, 216.	1.1	103

#	Article	IF	Citations
19	Role of Dendritic Cells in Inflammation and Loss of Tolerance in the Elderly. Frontiers in Immunology, 2017, 8, 896.	2.2	107
20	Does dietary fat affect inflammatory markers in overweight and obese individuals?â€"a review of randomized controlled trials from 2010 to 2016. Genes and Nutrition, 2017, 12, 26.	1.2	21
21	Microglia at center stage: a comprehensive review about the versatile and unique residential macrophages of the central nervous system. Oncotarget, 2017, 8, 114393-114413.	0.8	87
22	Systems Immunology: Learning the Rules of the Immune System. Annual Review of Immunology, 2018, 36, 813-842.	9.5	70
23	Tissue Metabolic Changes Drive Cytokine Responses to Mycobacterium tuberculosis. Journal of Infectious Diseases, 2018, 218, 165-170.	1.9	11
24	Diversity of aging of the immune system classified in the cotton rat (Sigmodon hispidus) model of human infectious diseases. Developmental and Comparative Immunology, 2018, 82, 39-48.	1.0	8
25	An updated view on the functions of caspases in inflammation and immunity. Seminars in Cell and Developmental Biology, 2018, 82, 137-149.	2.3	23
26	A roadmap towards personalized immunology. Npj Systems Biology and Applications, 2018, 4, 9.	1.4	43
27	Calcium phosphate particles stimulate interleukin-1Î² release from human vascular smooth muscle cells: A role for spleen tyrosine kinase and exosome release. Journal of Molecular and Cellular Cardiology, 2018, 115, 82-93.	0.9	35
28	Metabolism and the inflammasome in health and ageing. Nature Reviews Endocrinology, 2018, 14, 72-74.	4.3	9
29	Disease tolerance: concept and mechanisms. Current Opinion in Immunology, 2018, 50, 88-93.	2.4	108
30	The intraâ€•and extracellular functions of <scp>ASC</scp> specks. Immunological Reviews, 2018, 281, 74-87.	2.8	82
31	Canakinumab for Atherosclerotic Disease. New England Journal of Medicine, 2018, 378, 196-200.	13.9	13
32	Necroptosis increases with age and is reduced by dietary restriction. Aging Cell, 2018, 17, e12770.	3.0	40
33	Telomere Dysfunction Disturbs Macrophage Mitochondrial Metabolism and the NLRP3 Inflammasome through the PGC-1Î±/TNFAIP3 Axis. Cell Reports, 2018, 22, 3493-3506.	2.9	55
34	Poststatin era in atherosclerosis management. Current Opinion in Lipidology, 2018, 29, 246-258.	1.2	7
35	Antiâ€inflammaging effects of human alphaâ€1 antitrypsin. Aging Cell, 2018, 17, e12694.	3.0	23
36	Adipose tissue inflammation in aging. Experimental Gerontology, 2018, 105, 27-31.	1.2	75

#	Article	IF	Citations
37	Clostridium difficile, Aging, and the Gut: Can Microbiome Rejuvenation Keep Us Young and Healthy?. Journal of Infectious Diseases, 2018, 217, 174-176.	1.9	11
38	Reduced dynamic range of antiviral innate immune responses in aging. Experimental Gerontology, 2018, 107, 130-135.	1.2	42
39	Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodeling as key factors in pathogenesis. Free Radical Biology and Medicine, 2018, 115, 80-91.	1.3	255
40	The Smurf transition: new insights on ageing from end-of-life studies in animal models. Current Opinion in Oncology, 2018, 30, 38-44.	1.1	11
41	Enhancement of cutaneous immunity during aging by blocking p38 mitogen-activated protein (MAP) kinaseâ€“induced inflammation. Journal of Allergy and Clinical Immunology, 2018, 142, 844-856.	1.5	75
42	Leveraging heterogeneity across multiple datasets increases cell-mixture deconvolution accuracy and reduces biological and technical biases. Nature Communications, 2018, 9, 4735.	5.8	128
43	Inflammation-Accelerated Senescence and the Cardiovascular System: Mechanisms and Perspectives. International Journal of Molecular Sciences, 2018, 19, 3701.	1.8	49
44	The Inter-Relationship of Platelets with Interleukin-1Î²-Mediated Inflammation in Humans. Thrombosis and Haemostasis, 2018, 118, 2112-2125.	1.8	35
45	Preventive Effect of Raw Liubao Tea Polyphenols on Mouse Gastric Injuries Induced by HCl/Ethanol via Anti-Oxidative Stress. Molecules, 2018, 23, 2848.	1.7	32
46	NLRP3 inflammasome activation in inflammaging. Seminars in Immunology, 2018, 40, 61-73.	2.7	109
47	Peripheral immune system in aging and Alzheimerâ€™s disease. Molecular Neurodegeneration, 2018, 13, 51.	4.4	143
48	Stress Response to Surgery in the Elderly. , 0, , 168-186.		0
49	Autophagy in Cardiovascular Aging. Circulation Research, 2018, 123, 803-824.	2.0	171
50	Polyphenols in Liubao Tea Can Prevent CCl4-Induced Hepatic Damage in Mice through Its Antioxidant Capacities. Nutrients, 2018, 10, 1280.	1.7	56
51	Inflammasomes in CNS Diseases. Experientia Supplementum (2012), 2018, 108, 41-60.	0.5	31
52	Prospective Study of Coffee Consumption and Cancer Incidence in Non-White Populations. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 928-935.	1.1	28
53	Clinical Development and Commercialization of Placenta-Derived Cell Therapy. , 2018, , 357-375.		1
54	Replication and reproducibility issues in the relationship between C-reactive protein and depression: A systematic review and focused meta-analysis. Brain, Behavior, and Immunity, 2018, 73, 85-114.	2.0	99

#	Article	IF	Citations
55	Proinflammatory Arterial Stiffness Syndrome: A Signature of Large Arterial Aging. Journal of Vascular Research, 2018, 55, 210-223.	0.6	34
56	Immunosenescence and Ageing in HIV. , 2018, , 1-31.		0
57	A hybrid gene selection approach to create the S1500+ targeted gene sets for use in high-throughput transcriptomics. PLoS ONE, 2018, 13, e0191105.	1.1	110
58	Somatic Mutations in Aplastic Anemia. Hematology/Oncology Clinics of North America, 2018, 32, 595-607.	0.9	18
59	Immune-centric network of cytokines and cells in disease context identified by computational mining of PubMed. Nature Biotechnology, 2018, 36, 651-659.	9.4	58
60	Monocytes as immune targets in arterial hypertension. British Journal of Pharmacology, 2019, 176, 1966-1977.	2.7	30
62	AMPK as a potential pharmacological target for alleviating LPS-induced acute lung injury partly via NLRC4 inflammasome pathway inhibition. Experimental Gerontology, 2019, 125, 110661.	1.2	18
63	ATP release drives heightened immune responses associated with hypertension. Science Immunology, 2019, 4, .	5.6	41
64	The FluPRINT dataset, a multidimensional analysis of the influenza vaccine imprint on the immune system. Scientific Data, 2019, 6, 214.	2.4	11
65	Hyperglycemia-induced inflamm-aging accelerates gingival senescence via NLRC4 phosphorylation. Journal of Biological Chemistry, 2019, 294, 18807-18819.	1.6	34
66	Genetic regulation of gene expression and splicing during a 10-year period of human aging. Genome Biology, 2019, 20, 230.	3.8	57
67	Aging promotes reorganization of the CD4 T cell landscape toward extreme regulatory and effector phenotypes. Science Advances, 2019, 5, eaaw8330.	4.7	182
68	Caffeinated beverages contribute to a more efficient inflammatory response: Evidence from human and earthworm immune cells. Food and Chemical Toxicology, 2019, 134, 110809.	1.8	12
69	ATP and adenosine: Role in the immunopathogenesis of rheumatoid arthritis. Immunology Letters, 2019, 214, 55-64.	1.1	35
70	Immunology of the ageing kidney. Nature Reviews Nephrology, 2019, 15, 625-640.	4.1	73
71	IL-23/IL-17 Axis Activates IL-1Î²-Associated Inflammasome in Macrophages and Generates an Auto-Inflammatory Response in a Subgroup of Patients With Bullous Pemphigoid. Frontiers in Immunology, 2019, 10, 1972.	2.2	30
72	Omnipresence of inflammasome activities in inflammatory bone diseases. Seminars in Immunopathology, 2019, 41, 607-618.	2.8	30
73	CD73-derived adenosine controls inflammation and neurodegeneration by modulating dopamine signalling. Brain, 2019, 142, 700-718.	3.7	70

#	Article	IF	Citations
74	Similar but different: virtual memory CD8 T cells as a memoryâ€like cell population. Immunology and Cell Biology, 2019, 97, 675-684.	1.0	45
75	The role of inflammasomes in kidney disease. Nature Reviews Nephrology, 2019, 15, 501-520.	4.1	196
76	How Clinical Flow Cytometry Rebooted Sepsis Immunology. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 431-441.	1.1	33
77	A clinically meaningful metric of immune age derived from high-dimensional longitudinal monitoring. Nature Medicine, 2019, 25, 487-495.	15.2	317
78	Macrophage Origin, Metabolic Reprogramming and IL-1 Signaling: Promises and Pitfalls in Lung Cancer. Cancers, 2019, 11, 298.	1.7	10
79	N4-acetylcytidine is required for sustained NLRP3 inflammasome activation via HMGB1 pathway in microglia. Cellular Signalling, 2019, 58, 44-52.	1.7	32
80	Pathological mechanisms and therapeutic outlooks for arthrofibrosis. Bone Research, 2019, 7, 9.	5.4	134
81	Mitochondria: multifaceted regulators of aging. BMB Reports, 2019, 52, 13-23.	1.1	53
82	Age-related Autoimmune Changes in Lacrimal Glands. Immune Network, 2019, 19, e3.	1.6	32
83	REVISITING THE HALLMARKS OF AGING TO IDENTIFY MARKERS OF BIOLOGICAL AGE. journal of prevention of Alzheimer's disease, The, 2020, 7, 1-9.	1.5	56
84	Update of inflammasome activation in microglia/macrophage in aging and agingâ€related disease. CNS Neuroscience and Therapeutics, 2019, 25, 1299-1307.	1.9	41
85	Serum tryptophan-derived quinolinate and indole-3-acetate are associated with carotid intima-media thickness and its evolution in HIV-infected treated adults. Open Forum Infectious Diseases, 2019, 6, ofz516.	0.4	10
86	Elevated Autotaxin and LPA Levels during Chronic Viral Hepatitis and Hepatocellular Carcinoma Associate with Systemic Immune Activation. Cancers, 2019, 11, 1867.	1.7	14
87	Chronic inflammation in the etiology of disease across the life span. Nature Medicine, 2019, 25, 1822-1832.	15.2	2,195
88	Robust prediction of clinical outcomes using cytometry data. Bioinformatics, 2019, 35, 1197-1203.	1.8	25
89	Theobromine and related methylxanthines as inhibitors of Primary Amine Oxidase. Journal of Food Biochemistry, 2019, 43, e12697.	1.2	8
90	Beyond the message: advantages of snapshot proteomics with singleâ€cell mass cytometry in solid tumors. FEBS Journal, 2019, 286, 1523-1539.	2.2	26
91	Consumption of coffee or caffeine and serum concentration of inflammatory markers: A systematic review. Critical Reviews in Food Science and Nutrition, 2019, 59, 652-663.	5.4	52

#	Article	IF	Citations
92	Gut microbiota shape â€¨inflamm-ageingâ€™ cytokines and account for age-dependent decline in DNA damage repair. Gut, 2020, 69, 1064-1075.	6.1	30
93	Extracorporeal apheresis therapy for Alzheimer diseaseâ€”targeting lipids, stress, and inflammation. Molecular Psychiatry, 2020, 25, 275-282.	4.1	16
94	Clonal haematopoiesis: connecting ageing and inflammation in cardiovascular disease. Nature Reviews Cardiology, 2020, 17, 137-144.	6.1	215
95	White Matter Abnormalities Linked to Interferon, Stress Response, and Energy Metabolism Gene Expression Changes in Older HIV-Positive Patients on Antiretroviral Therapy. Molecular Neurobiology, 2020, 57, 1115-1130.	1.9	19
96	Skin barrier immunity and ageing. Immunology, 2020, 160, 116-125.	2.0	226
97	NLRP inflammasomes and induced skin inflammation, barrier recovery and extended skin hydration. International Journal of Cosmetic Science, 2020, 42, 68-78.	1.2	4
98	Metabolomic profiles associated with all-cause mortality in the Womenâ€™s Health Initiative. International Journal of Epidemiology, 2020, 49, 289-300.	0.9	20
99	Epigenetics meets proteomics in an epigenome-wide association study with circulating blood plasma protein traits. Nature Communications, 2020, 11, 15.	5.8	57
100	P2X7 Receptors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 186-199.	1.1	63
101	SARS-CoV-2 morbidity and mortality in racial/ethnic minority populations: A window into the stress related inflammatory basis of health disparities?. Brain, Behavior, & Immunity - Health, 2020, 9, 100158.	1.3	22
102	Targeting Inflammation and Immunosenescence to Improve Vaccine Responses in the Elderly. Frontiers in Immunology, 2020, 11, 583019.	2.2	98
103	Emerging role of N4-acetylcytidine modification of RNA in gene regulation and cellular functions. Molecular Biology Reports, 2020, 47, 9189-9199.	1.0	22
104	Radiation causes tissue damage by dysregulating inflammasomeâ€“gasdermin D signaling in both host and transplanted cells. PLoS Biology, 2020, 18, e3000807.	2.6	35
105	Neuroinflammation and oxidative stress in the aging brain: Linking in metabolism, stem cells, proteostasis, and stress adaptation. , 2020, , 49-65.		0
106	The NLRP3 Inflammasome: Metabolic Regulation and Contribution to Inflammaging. Cells, 2020, 9, 1808.	1.8	96
107	Systems immunology. Current Opinion in Immunology, 2020, 65, 79-82.	2.4	7
108	Role of Inflammasomes in HIV-1 and Drug Abuse Mediated Neuroinflammaging. Cells, 2020, 9, 1857.	1.8	16
109	Complementary regulation of caspase-1 and IL-1Î² reveals additional mechanisms of dampened inflammation in bats. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28939-28949.	3.3	51

#	Article	IF	Citations
110	Complement C3 deficiency ameliorates aging related changes in the kidney. Life Sciences, 2020, 260, 118370.	2.0	10
111	ENaC in Salt-Sensitive Hypertension: Kidney and Beyond. Current Hypertension Reports, 2020, 22, 69.	1.5	49
112	What Is the Role of the Inflammation in the Pathogenesis of Heart Failure?. Current Cardiology Reports, 2020, 22, 139.	1.3	36
113	Can Blood-Circulating Factors Unveil and Delay Your Biological Aging?. Biomedicines, 2020, 8, 615.	1.4	17
114	Adenosine A_{2A} receptor antagonists: from caffeine to selective nonâ€xanthines. British Journal of Pharmacology, 2022, 179, 3496-3511.	2.7	48
115	Can blocking inflammation enhance immunity during aging?. Journal of Allergy and Clinical Immunology, 2020, 145, 1323-1331.	1.5	50
116	Developmental stages of tertiary lymphoid tissue reflect local injury and inflammation in mouse and human kidneys. Kidney International, 2020, 98, 448-463.	2.6	50
117	Hepatitis C Virus (HCV) Direct-Acting Antiviral Therapy in Persons With Human Immunodeficiency Virusâ€"HCV Genotype 1 Coinfection Resulting in High Rate of Sustained Virologic Response and Variable in Normalization of Soluble Markers of Immune Activation. Journal of Infectious Diseases, 2020, 222, 1334-1344.	1.9	7
118	Treating age-related multimorbidity: the drug discovery challenge. Drug Discovery Today, 2020, 25, 1403-1415.	3.2	21
119	Inflammatory and immunological changes caused by noise exposure: A systematic review. Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis, 2020, 38, 61-90.	0.4	10
120	From Rags to Riches. Hypertension, 2020, 75, 930-934.	1.3	13
121	The Processing, Gene Regulation, Biological Functions, and Clinical Relevance of N4-Acetylcytidine on RNA: A Systematic Review. Molecular Therapy - Nucleic Acids, 2020, 20, 13-24.	2.3	123
122	Effect and Regulation of the NLRP3 Inflammasome During Renal Fibrosis. Frontiers in Cell and Developmental Biology, 2019, 7, 379.	1.8	51
123	Decreased Hepatocyte Autophagy Leads to Synergistic ILâ€1Î² and TNF Mouse Liver Injury and Inflammation. Hepatology, 2020, 72, 595-608.	3.6	49
124	Senoinflammation: A major mediator underlying age-related metabolic dysregulation. Experimental Gerontology, 2020, 134, 110891.	1.2	15
125	YqfB protein from Escherichia coli: an atypical amidohydrolase active towards N4-acylcytosine derivatives. Scientific Reports, 2020, 10, 788.	1.6	9
126	Activation of epidermal growth factor receptor signaling mediates cellular senescence induced by certain proâ€inflammatory cytokines. Aging Cell, 2020, 19, e13145.	3.0	39
127	Seasonal Variability and Shared Molecular Signatures of Inactivated Influenza Vaccination in Young and Older Adults. Journal of Immunology, 2020, 204, 1661-1673.	0.4	28

#	Article	IF	Citations
128	Immunometabolism and HIV-1 pathogenesis: food for thought. Nature Reviews Immunology, 2021, 21, 5-19.	10.6	55
129	Genomeâ€wide postnatal changes in immunity following fetal inflammatory response. FEBS Journal, 2021, 288, 2311-2331.	2.2	0
130	HIV-1 Transcription but Not Intact Provirus Levels are Associated With Systemic Inflammation. Journal of Infectious Diseases, 2021, 223, 1934-1942.	1.9	19
131	Thymus involution sets the clock of the aging T-cell landscape: Implications for declined immunity and tissue repair. Ageing Research Reviews, 2021, 65, 101231.	5.0	32
132	Perinatal Risk and Protective Factors in the Development of Diffuse White Matter Abnormality on Term-Equivalent Age Magnetic Resonance Imaging in Infants Born Very Preterm. Journal of Pediatrics, 2021, 233, 58-65.e3.	0.9	23
133	Neuroblast senescence in the aged brain augments natural killer cell cytotoxicity leading to impaired neurogenesis and cognition. Nature Neuroscience, 2021, 24, 61-73.	7.1	93
134	The Role of NLRP3 Inflammasome Activities in Bone Diseases and Vascular Calcification. Inflammation, 2021, 44, 434-449.	1.7	36
135	The impact of ageing on monocytes and macrophages. Immunology Letters, 2021, 230, 1-10.	1.1	122
136	Kidney inflammaging is promoted by CCR2+â€‰macrophages and tissue-derived micro-environmental factors. Cellular and Molecular Life Sciences, 2021, 78, 3485-3501.	2.4	13
137	Innate Immune Mechanisms of Arterial Hypertension and Autoimmune Disease. American Journal of Hypertension, 2021, 34, 143-153.	1.0	4
138	Recruitment of inflammatory monocytes by senescent fibroblasts inhibits antigen-specific tissue immunity during human aging. Nature Aging, 2021, 1, 101-113.	5.3	39
139	Emerging Role of the Inflammasome and Pyroptosis in Hypertension. International Journal of Molecular Sciences, 2021, 22, 1064.	1.8	59
140	Role of N4-acetylcytidine for continuously activating NLRP3 inflammosome by HMGB1 pathway in microglia. Neural Regeneration Research, 2021, 16, 1427.	1.6	2
141	Impact of COVID-19 on Mitochondrial-Based Immunity in Aging and Age-Related Diseases. Frontiers in Aging Neuroscience, 2020, 12, 614650.	1.7	71
142	Cardiovascular Aging and Longevity. Journal of the American College of Cardiology, 2021, 77, 189-204.	1.2	36
143	Myeloid cells, tissue homeostasis, and anatomical barriers as innate immune effectors in arterial hypertension. Journal of Molecular Medicine, 2021, 99, 315-326.	1.7	0
144	The potential role of Colchicine in preventing coronary vascular disease in childhoodâ€onset lupus: a new view on an old drug. Pediatric Rheumatology, 2021, 19, 15.	0.9	2
145	Effect of DLT-SML on Chronic Stable Angina Through Ameliorating Inflammation, Correcting Dyslipidemia, and Regulating Gut Microbiota. Journal of Cardiovascular Pharmacology, 2021, 77, 458-469.	0.8	13

#	Article	IF	Citations
146	Mechanisms and Perspectives of Sodium-Glucose Co-transporter 2 Inhibitors in Heart Failure. Frontiers in Cardiovascular Medicine, 2021, 8, 636152.	1.1	11
147	Identification and validation of a multivariable prediction model based on blood plasma and serum metabolomics for the distinction of chronic pancreatitis subjects from non-pancreas disease control subjects. Gut, 2021, 70, 2150-2158.	6.1	25
148	Thromboembolic Adverse Drug Reactions in Janus Kinase (JAK) Inhibitors: Does the Inhibitor Specificity Play a Role?. International Journal of Molecular Sciences, 2021, 22, 2449.	1.8	30
150	SIRT6 in Senescence and Aging-Related Cardiovascular Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 641315.	1.8	29
151	DNA Methylation Sustains â€œInflamedâ€•Memory of Peripheral Immune Cells Aggravating Kidney Inflammatory Response in Chronic Kidney Disease. Frontiers in Physiology, 2021, 12, 637480.	1.3	9
152	Signatures of immune dysfunction in HIV and HCV infection share features with chronic inflammation in aging and persist after viral reduction or elimination. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
153	Aging-associated lncRNAs are evolutionarily conserved and participate in NFÎºB signaling. Nature Aging, 2021, 1, 438-453.	5.3	15
154	The Anti-Oxidative and Anti-Neuroinflammatory Effects of Sargassum horneri by Heme Oxygenase-1 Induction in BV2 and HT22 Cells. Antioxidants, 2021, 10, 859.	2.2	18
155	Potential regulatory role of epigenetic RNA methylation in cardiovascular diseases. Biomedicine and Pharmacotherapy, 2021, 137, 111376.	2.5	25
156	Immune age and biological age as determinants of vaccine responsiveness among elderly populations: the Human Immunomics Initiative research program. European Journal of Epidemiology, 2021, 36, 753-762.	2.5	9
157	New putative therapeutic targets againstSerratia marcescensusing reverse vaccinology and subtractive genomics. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10106-10121.	2.0	4
158	SIRT7 is a deacetylase of N4-acetylcytidine on ribosomal RNA. Genome Instability & Disease, 2021, 2, 253-260.	0.5	9
159	Activation of NLRP3 Inflammasome and Onset of Alzheimerâ€™s Disease. Frontiers in Immunology, 2021, 12, 701282.	2.2	40
160	Caffeine Has Different Immunomodulatory Effect on the Cytokine Expression and NLRP3 Inflammasome Function in Various Human Macrophage Subpopulations. Nutrients, 2021, 13, 2409.	1.7	18
161	Inflammasomes as therapeutic targets in human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 247.	7.1	105
162	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615.	5.3	202
163	RNA modifications in cardiovascular diseases, the potential therapeutic targets. Life Sciences, 2021, 278, 119565.	2.0	37
164	Actions of the NLRP3 and NLRC4 inflammasomes overlap in bone resorption. FASEB Journal, 2021, 35, e21837.	0.2	6

#	Article	IF	Citations
165	Assessing the rate of aging to monitor aging itself. Ageing Research Reviews, 2021, 69, 101350.	5.0	24
166	Dairy production in an urbanizing environmentâ€"Typology and linkages in the megacity of Bengaluru, India. PLoS ONE, 2021, 16, e0255791.	1.1	10
167	An inflammatory ageing clock to detect cardiovascular and other age-related diseases: a new approach to preventive medicine. European Heart Journal, 2021, 42, 4296-4297.	1.0	1
168	The anti-inflammatory effects of an ethanolic extract of the rhizome of Atractylodes lancea, involves Akt/NF-Î²B signaling pathway inhibition. Journal of Ethnopharmacology, 2021, 277, 114183.	2.0	18
169	Coffee Consumption and Incident Tachyarrhythmias. JAMA Internal Medicine, 2021, 181, 1185.	2.6	35
170	Aging-Induced Impairment of Vascular Function: Mitochondrial Redox Contributions and Physiological/Clinical Implications. Antioxidants and Redox Signaling, 2021, 35, 974-1015.	2.5	10
171	Targeting the Oxytocinergic System: A Possible Pharmacological Strategy for the Treatment of Inflammation Occurring in Different Chronic Diseases. International Journal of Molecular Sciences, 2021, 22, 10250.	1.8	13
172	Rapid orderly migration of neutrophils after traumatic brain injury depends on MMP9/13. Biochemical and Biophysical Research Communications, 2021, 579, 161-167.	1.0	8
173	Effects of zinc supplementation on inflammatory biomarkers and oxidative stress in adults: A systematic review and meta-analysis of randomized controlled trials. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126857.	1.5	14
174	Progress and challenge for computational quantification of tissue immune cells. Briefings in Bioinformatics, 2021, 22, .	3.2	9
175	Vitamin D3 replacement enhances antigen-specific immunity in older adults. Immunotherapy Advances, 2021, 1, .	1.2	18
179	The role of mitochondria in aging. Journal of Clinical Investigation, 2018, 128, 3662-3670.	3.9	269
180	Impact of human monocyte and macrophage polarization on NLR expression and NLRP3 inflammasome activation. PLoS ONE, 2017, 12, e0175336.	1.1	136
181	Why does COVID-19 disproportionately affect older people?. Aging, 2020, 12, 9959-9981.	1.4	708
182	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. Aging, 2020, 12, 14092-14124.	1.4	15
183	Longitudinal profiling of the blood transcriptome in an African green monkey aging model. Aging, 2021, 13, 846-864.	1.4	3
184	Leukocyte count, systemic inflammation, and health status in older adults: a narrative review. Anthropological Review, 2018, 81, 81-101.	0.2	9
185	Flavonoids: Broad Spectrum Agents on Chronic Inflammation. Biomolecules and Therapeutics, 2019, 27, 241-253.	1.1	35

#	Article	IF	Citations
186	Inflammatory Modulation of Hematopoiesis: Linking Trained Immunity and Clonal Hematopoiesis with Chronic Disorders. Annual Review of Physiology, 2022, 84, 183-207.	5.6	21
187	Could a coffee a day keep the inflammasome away?. Science Translational Medicine, 2017, 9, .	5.8	1
188	Immunosenescence and Ageing in HIV. , 2019, , 1835-1864.		0
192	Role of Inflammation and Inflammasomes in Bone Pathophysiology. , 2020, , 103-111.		0
195	Immunosenescence, Oxidative Stress, and Cancers. , 2020, , 513-531.		0
196	Precise Diabetic Wound Therapy: PLS Nanospheres Eliminate Senescent Cells via DPP4 Targeting and PARP1 Activation. Advanced Science, 2022, 9, e2104128.	5.6	18
197	Age-related Disease: A Revolution Is Coming. Integrative Medicine, 2018, 17, 12-15.	0.1	0
198	Evidence Supporting a Phased Immuno-physiological Approach to COVID-19 From Prevention Through Recovery. Integrative Medicine, 2020, 19, 8-35.	0.1	8
199	A Brewed Awakening. Clinics in Geriatric Medicine, 2022, 38, 133-144.	1.0	2
202	DDX17 is an essential mediator of sterile NLRC4 inflammasome activation by retrotransposon RNAs. Science Immunology, 2021, 6, eabi4493.	5.6	24
203	Involvement of Inflammasome Components in Kidney Disease. Antioxidants, 2022, 11, 246.	2.2	19
204	The role of inflammasomes in vascular cognitive impairment. Molecular Neurodegeneration, 2022, 17, 4.	4.4	43
205	Bi-Directional Relationship Between Autophagy and Inflammasomes in Neurodegenerative Disorders. Cellular and Molecular Neurobiology, 2023, 43, 115-137.	1.7	3
206	Effects of lysophosphatidic acid receptor 5 on NLRC4 inflammasome in brain tissues of transient cerebral ischemia/reperfusion rat. Human and Experimental Toxicology, 2022, 41, 096032712210788.	1.1	2
207	Fibronectin type III domainâ€containing 5 improves agingâ€related cardiac dysfunction in mice. Aging Cell, 2022, 21, e13556.	3.0	45
208	Effects of Resistance Training on C-Reactive Protein and Inflammatory Cytokines in Elderly Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. International Journal of Environmental Research and Public Health, 2022, 19, 3434.	1.2	12
209	International Union of Basic and Clinical Pharmacology. CXII: Adenosine Receptors: A Further Update. Pharmacological Reviews, 2022, 74, 340-372.	7.1	67
210	Age-related differential gene expression in granulosa cells and its effects on fertility using high-throughput transcriptomics. Systems Biology in Reproductive Medicine, 2022, 68, 190-202.	1.0	1

#	Article	IF	Citations
211	Maladaptive trained immunity and clonal hematopoiesis as potential mechanistic links between periodontitis and inflammatory comorbidities. Periodontology 2000, 2022, 89, 215-230.	6.3	13
212	Gluten consumption and inflammation affect the development of celiac disease in at-risk children. Scientific Reports, 2022, 12, 5396.	1.6	10
213	Action Mechanisms of Small Extracellular Vesicles in Inflammaging. Life, 2022, 12, 546.	1.1	1
214	Association of Food Insecurity With Allostatic Load Among Older Adults in the US. JAMA Network Open, 2021, 4, e2137503.	2.8	17
215	Cannabinoids Alleviate the LPS-Induced Cytokine Storm via Attenuating NLRP3 Inflammasome Signaling and TYK2-Mediated STAT3 Signaling Pathways In Vitro. Cells, 2022, 11, 1391.	1.8	23
216	Inflammation, Immune Senescence, and Dysregulated Immune Regulation in the Elderly. Frontiers in Aging, 2022, 3, .	1.2	12
217	Rapid Inflammasome Activation Is Attenuated in Post-Myocardial Infarction Monocytes. Frontiers in Immunology, 2022, 13, 857455.	2.2	3
218	Activation and Function of NLRP3 Inflammasome in Bone and Joint-Related Diseases. International Journal of Molecular Sciences, 2022, 23, 5365.	1.8	22
219	Inflammatory Diseases and Risk of Atherosclerotic Cardiovascular Disease: A New Focus on Prevention. Contemporary Cardiology, 2022, , 247-270.	0.0	3
220	Sex Differences in the Immune System in Relation to Hypertension and Vascular Disease. Canadian Journal of Cardiology, 2022, 38, 1828-1843.	0.8	10
221	The Effect of Weaning with Adult Food Typical of the Mediterranean Diet on Taste Development and Eating Habits of Children: A Randomized Trial. Nutrients, 2022, 14, 2486.	1.7	2
222	Roles of mitochondrial DNA in dynamics of the immune response to COVID-19. Gene, 2022, 836, 146681.	1.0	10
223	Evaluating the Impact of Thermal Processing on the Anti-Inflammatory Activity of Non-Centrifugal Cane Sugar: Implications on Cytokine Secretion and TLR4 Signaling. Frontiers in Pharmacology, 0, 13, .	1.6	2
224	Epigenetic Mechanisms Involved in Inflammaging-Associated Hypertension. Current Hypertension Reports, 2022, 24, 547-562.	1.5	7
225	Age-related Mitochondrial Dysfunction in Parkinson's Disease: New Insights Into the Disease Pathology. Neuroscience, 2022, 499, 152-169.	1.1	6
226	Quercetin Alleviates Lipopolysaccharide-Induced Inflammatory Response in Bovine Mammary Epithelial Cells by Suppressing TLR4/NF-Î²B Signaling Pathway. Frontiers in Veterinary Science, 0, 9, .	0.9	8
227	Role of NLRP3 Inflammasome and Its Inhibitors as Emerging Therapeutic Drug Candidate for Alzheimerâ€™s Disease: a Review of Mechanism of Activation, Regulation, and Inhibition. Inflammation, 2023, 46, 56-87.	1.7	15
228	The roles and mechanisms of epigenetic regulation in pathological myocardial remodeling. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	2

#	Article	IF	Citations
230	How Can We Improve Vaccination Response in Old People? Part I: Targeting Immunosenescence of Innate Immunity Cells. International Journal of Molecular Sciences, 2022, 23, 9880.	1.8	10
231	The landscape of aging. Science China Life Sciences, 2022, 65, 2354-2454.	2.3	110
232	New insights and advances of sodium-glucose cotransporter 2 inhibitors in heart failure. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	1
233	Identification of agingâ€associated immunotypes and immune stability as indicators of postâ€vaccination immune activation. Aging Cell, 2022, 21, .	3.0	10
234	The Immune System as a Therapeutic Target for Alzheimerâ€™s Disease. Life, 2022, 12, 1440.	1.1	6
235	RNA modifications in aging-associated cardiovascular diseases. Aging, 2022, 14, 8110-8136.	1.4	2
236	Quercetin Alleviates Lipopolysaccharide-Induced Cell Damage and Inflammation via Regulation of the TLR4/NF-ÎºB Pathway in Bovine Intestinal Epithelial Cells. Current Issues in Molecular Biology, 2022, 44, 5234-5246.	1.0	4
237	Comprehensive Analysis of Long Non-Coding RNAs N4-Acetylcytidine in Alzheimerâ€™s Disease Mice Model Using High-Throughput Sequencing. Journal of Alzheimer's Disease, 2022, 90, 1659-1675.	1.2	5
238	N1-methyladenosine formation, gene regulation, biological functions, and clinical relevance. Molecular Therapy, 2023, 31, 308-330.	3.7	2
239	Oats Lower Age-Related Systemic Chronic Inflammation (iAge) in Adults at Risk for Cardiovascular Disease. Nutrients, 2022, 14, 4471.	1.7	2
240	Plasma metabolomics provides new insights into the relationship between metabolites and outcomes and left ventricular remodeling of coronary artery disease. Cell and Bioscience, 2022, 12, .	2.1	6
241	A pilot study of the metabolic profiles of apheresis platelets modified by donor age and sex and in vitro <scp>shortâ€term</scp> incubation with sex hormones. Transfusion, 2022, 62, 2596-2608.	0.8	5
242	Neutrophils in aging and agingâ€related pathologies. Immunological Reviews, 2023, 314, 357-375.	2.8	17
243	Aging drives Tet2 +/â^’ clonal hematopoiesis via IL-1 signaling. Blood, 2023, 141, 886-903.	0.6	29
244	Vascular Aging and Damage in Patients with Iron Metabolism Disorders. Diagnostics, 2022, 12, 2817.	1.3	2
245	Gut microbial DNA and immune checkpoint gene Vsig4/CRIg are key antagonistic players in healthy aging and age-associated development of hypertension and diabetes. Frontiers in Endocrinology, 0, 13, .	1.5	2
246	Transcription Factors as Targets of Natural Compounds in Age-Related Diseases and Cancer: Potential Therapeutic Applications. International Journal of Molecular Sciences, 2022, 23, 13882.	1.8	2
247	Molecular regulation of NAIP/NLRC4 inflammasomes. , 2023, , 77-91.		0

#	Article	IF	Citations
248	Inflammaging: Implications in Sarcopenia. International Journal of Molecular Sciences, 2022, 23, 15039.	1.8	33
250	Disturbed sensitive equilibrium led by stress-induced inflammation in psychiatric illness. Annals of General Psychiatry, 2022, 35, e100910.	1.1	3
251	Inflammation and oxidative stress in salt sensitive hypertension; The role of the NLRP3 inflammasome. Frontiers in Physiology, 0, 13, .	1.3	15
252	Lysosomal cathepsins act in concert with Gasdermin-D during NAIP/NLRC4-dependent IL-1Î² secretion. Cell Death and Disease, 2022, 13, .	2.7	5
253	Stromal niche inflammation mediated by IL-1 signalling is a targetable driver of haematopoietic ageing. Nature Cell Biology, 2023, 25, 30-41.	4.6	30
254	Association between carotid intima media thickness and acute ischemic stroke at an Indonesian tertiary referral hospital. Journal of Taibah University Medical Sciences, 2023, 18, 771-777.	0.5	0
255	The effect of prolonged intermittent fasting on autophagy, inflammasome and senescence genes expressions: An exploratory study in healthy young males. Human Nutrition and Metabolism, 2023, 32, 200189.	0.8	2
256	Analysis of genetically determined gene expression suggests role of inflammatory processes in exfoliation syndrome. BMC Genomics, 2023, 24, .	1.2	1
257	Anti-Inflammatory Effect of Caffeine on Muscle under Lipopolysaccharide-Induced Inflammation. Antioxidants, 2023, 12, 554.	2.2	4
258	Transition Metalâ€Based Therapies for Inflammatory Diseases. Advanced Materials, 2023, 35, .	11.1	3
259	Metabolomics meets systems immunology. EMBO Reports, 2023, 24, .	2.0	10
260	Mechanisms of systemic low-grade inflammation in HIV patients on long-term suppressive antiretroviral therapy: the inflammasome hypothesis. Aids, 2023, 37, 1035-1046.	1.0	5
261	Exercise suppresses neuroinflammation for alleviating Alzheimerâ€™s disease. Journal of Neuroinflammation, 2023, 20, .	3.1	19
262	Ribonuclease inhibitor 1 (RNH1) deficiency cause congenital cataracts and global developmental delay with infection-induced psychomotor regression and anemia. European Journal of Human Genetics, 2023, 31, 887-894.	1.4	5
263	Inflammation Biomarker Response to Oral 2-Hydroxybenzylamine (2-HOBA) Acetate in Healthy Humans. Inflammation, 2023, 46, 1343-1352.	1.7	1
264	Systems Immunology: Origins. Journal of Immunology, 2023, 210, 845-847.	0.4	1
266	Inflammation and aging: signaling pathways and intervention therapies. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	63
293	N6-methyladenosine in myeloid cells: a novel regulatory factor for inflammation-related diseases. Journal of Physiology and Biochemistry, 0, , .	1.3	0

#	Article	IF	Citations
294	Immune and inflammatory mechanisms in hypertension. Nature Reviews Cardiology, 0, , .	6.1	2