NLRP3 is activated in Alzheimerâ€s disease and contrib

Nature 493, 674-678

DOI: 10.1038/nature11729

Citation Report

#	Article	IF	CITATIONS
1	Diverse activation of microglia by chemokine (C-C motif) ligand 2 overexpression in brain. Journal of Neuroinflammation, 2013, 10, 86.	3.1	78
2	Microglial Phenotype and Adaptation. Journal of Neurolmmune Pharmacology, 2013, 8, 807-823.	2.1	144
3	CD36 coordinates NLRP3 inflammasome activation by facilitating intracellular nucleation of soluble ligands into particulate ligands in sterile inflammation. Nature Immunology, 2013, 14, 812-820.	7.0	746
4	Innate sensors of pathogen and stress: Linking inflammation to obesity. Journal of Allergy and Clinical Immunology, 2013, 132, 287-294.	1.5	186
5	Antimalarial Drug Artemisinin Extenuates Amyloidogenesis and Neuroinflammation in <scp>APP</scp> swe/ <scp>PS</scp> 1dE9 Transgenic Mice via Inhibition of Nuclear Factorâ€Ê <scp>B</scp> and <scp>NLRP</scp> 3 Inflammasome Activation. CNS Neuroscience and Therapeutics, 2013, 19, 262-268.	1.9	91
6	Microglial Beclin 1 Regulates Retromer Trafficking and Phagocytosis and Is Impaired in Alzheimer's Disease. Neuron, 2013, 79, 873-886.	3.8	313
7	Treatment implications of the altered cytokine-insulin axis in neurodegenerative disease. Biochemical Pharmacology, 2013, 86, 862-871.	2.0	21
8	The microglial sensome revealed by direct RNA sequencing. Nature Neuroscience, 2013, 16, 1896-1905.	7.1	1,244
9	Age-dependent dysregulation of innate immunity. Nature Reviews Immunology, 2013, 13, 875-887.	10.6	847
10	<scp>CD</scp> 4 <scp>T</scp> cells in immunity and immunotherapy of <scp>A</scp> lzheimer's disease. Immunology, 2013, 139, 438-446.	2.0	56
11	Inflammasome induction in Rasmussen's encephalitis: cortical and associated white matter pathogenesis. Journal of Neuroinflammation, 2013, 10, 152.	3.1	55
12	Involvement of interleukin-1β in the autophagic process of microglia: relevance to Alzheimer's disease. Journal of Neuroinflammation, 2013, 10, 151.	3.1	85
13	Canonical Nlrp3 Inflammasome Links Systemic Low-Grade Inflammation to Functional Decline in Aging. Cell Metabolism, 2013, 18, 519-532.	7.2	494
14	An eye on the future of inflammasomes and drug development in AMD. Journal of Molecular Medicine, 2013, 91, 1059-1070.	1.7	21
16	CR1 and the "Vanishing Amyloid―Hypothesis of Alzheimer's Disease. Biological Psychiatry, 2013, 73, 393-395.	0.7	20
17	NLRP3 polymorphisms are associated with late-onset Alzheimer's disease in Han Chinese. Journal of Neuroimmunology, 2013, 265, 91-95.	1.1	74
18	TREM2 in Alzheimer's disease. Molecular Neurobiology, 2013, 48, 180-185.	1.9	105
19	Alzheimer's disease risk alleles in TREM2 illuminate innate immunity in Alzheimer's disease. Alzheimer's Research and Therapy, 2013, 5, 24.	3.0	33

#	Article	IF	Citations
20	Mitochondria: sensors and mediators of innate immune receptor signaling. Current Opinion in Microbiology, 2013, 16, 327-338.	2.3	54
21	Impaired autophagy and APP processing in Alzheimer's disease: The potential role of Beclin 1 interactome. Progress in Neurobiology, 2013, 106-107, 33-54.	2.8	293
22	Inflammatory brain drain. Nature Reviews Immunology, 2013, 13, 69-69.	10.6	2
23	The NLRP3 Inflammasome in Alzheimer's Disease. Molecular Neurobiology, 2013, 48, 875-882.	1.9	225
24	Microglia as Dynamic and Essential Components of the Amyloid Hypothesis. Neuron, 2013, 78, 575-577.	3.8	64
25	Microglia actions in Alzheimer's disease. Acta Neuropathologica, 2013, 126, 461-477.	3.9	247
26	Immunological Aspects and Anti-Amyloid Strategy for Alzheimer's Dementia. Arhiv Za Higijenu Rada I Toksikologiju, 2013, 64, 603-608.	0.4	2
27	Functions of NOD-Like Receptors in Human Diseases. Frontiers in Immunology, 2013, 4, 333.	2.2	248
28	IL12/23 p40 Inhibition Ameliorates Alzheimer's Disease-Associated Neuropathology and Spatial Memory in SAMP8 Mice. Journal of Alzheimer's Disease, 2013, 38, 633-646.	1.2	69
29	Love and death: microglia, NLRP3 and the Alzheimer's brain. Cell Research, 2013, 23, 595-596.	5.7	44
30	Functional diversity of microglia – how heterogeneous are they to begin with?. Frontiers in Cellular Neuroscience, 2013, 7, 65.	1.8	174
31	Unsolved Mysteries in NLR Biology. Frontiers in Immunology, 2013, 4, 285.	2.2	111
32	Reactive astrocytes and perivascular macrophages express <scp>NLRP</scp> 3 inflammasome in active demyelinating lesions of multiple sclerosis and necrotic lesions of neuromyelitis optica and cerebral infarction. Clinical and Experimental Neuroimmunology, 2013, 4, 296-304.	0.5	29
33	<scp>NLRP</scp> 3 "inflammasome―plays a central role in "inflammatory―demyelination of multiple sclerosis. Clinical and Experimental Neuroimmunology, 2013, 4, 253-254.	0.5	0
34	Oligomeric amyloid β induces IL-1β processing via production of ROS: implication in Alzheimer's disease. Cell Death and Disease, 2013, 4, e975-e975.	2.7	186
35	Genomic background-related activation of microglia and reduced $\hat{i}^2$ -amyloidosis in a mouse model of Alzheimer's disease. European Journal of Microbiology and Immunology, 2013, 3, 21-27.	1.5	14
37	Cobalt Chloride-induced Hypoxia Ameliorates NLRP3-Mediated Caspase-1 Activation in Mixed Glial Cultures. Immune Network, 2013, 13, 141.	1.6	18
38	The role of inflammation and interleukin-1 in acute cerebrovascular disease. Journal of Inflammation Research, 2013, 6, 121.	1.6	41

#	Article	IF	Citations
39	Methylated BSA Mimics Amyloid-Related Proteins and Triggers Inflammation. PLoS ONE, 2013, 8, e63214.	1.1	4
40	Can microRNAs keep inflammasomes in check?. Frontiers in Genetics, 2013, 4, 30.	1.1	9
41	Microglia and Synapse: Interactions in Health and Neurodegeneration. Neural Plasticity, 2013, 2013, 1-10.	1.0	67
42	Characterization and Molecular Profiling of PSEN1 Familial Alzheimer's Disease iPSC-Derived Neural Progenitors. PLoS ONE, 2014, 9, e84547.	1.1	148
43	Inflammasome: a new trigger of Alzheimer's disease. Frontiers in Aging Neuroscience, 2014, 6, 80.	1.7	16
44	Bioenergetic Dysfunction and Inflammation in Alzheimerââ,¬â,,¢s Disease: A Possible Connection. Frontiers in Aging Neuroscience, 2014, 6, 311.	1.7	38
45	Role of mitochondria ROS generation in ethanol-induced NLRP3 inflammasome activation and cell death in astroglial cells. Frontiers in Cellular Neuroscience, 2014, 8, 216.	1.8	209
46	SUCLG2 identified as both a determinator of CSF Aβ1–42 levels and an attenuator of cognitive decline in Alzheimer's disease. Human Molecular Genetics, 2014, 23, 6644-6658.	1.4	45
47	The impact of PKR activation: from neurodegeneration to cancer. FASEB Journal, 2014, 28, 1965-1974.	0.2	90
48	Chronic murine toxoplasmosis is defined by subtle changes in the neuronal connectivity. DMM Disease Models and Mechanisms, 2014, 7, 459-69.	1.2	67
49	The Nucleotide-binding Leucine-rich Repeat (NLR) Family Member NLRX1 Mediates Protection against Experimental Autoimmune Encephalomyelitis and Represses Macrophage/Microglia-induced Inflammation. Journal of Biological Chemistry, 2014, 289, 4173-4179.	1.6	44
50	$\hat{l}\pm 1$ -antitrypsin modulates microglial-mediated neuroinflammation and protects microglial cells from amyloid- $\hat{l}^2$ -induced toxicity. Journal of Neuroinflammation, 2014, 11, 165.	3.1	37
51	Early and sustained altered expression of aging-related genes in young 3xTg-AD mice. Cell Death and Disease, 2014, 5, e1054-e1054.	2.7	42
52	Zinc depletion regulates the processing and secretion of IL- $1\hat{l}^2$ . Cell Death and Disease, 2014, 5, e1040-e1040.	2.7	78
53	Inflammasomes: Molecular Regulation and Implications for Metabolic and Cognitive Diseases. Molecules and Cells, 2014, 37, 441-448.	1.0	119
54	Distinct Lysosome Phenotypes Influence Inflammatory Function in Peritoneal and Bone Marrow-Derived Macrophages. International Journal of Inflammation, 2014, 2014, 1-9.	0.9	15
55	Intra-Hippocampal Transplantation of Neural Precursor Cells with Transgenic Over-Expression of IL-1 Receptor Antagonist Rescues Memory and Neurogenesis Impairments in an Alzheimer's Disease Model. Neuropsychopharmacology, 2014, 39, 401-414.	2.8	51
56	IKKÎ <sup>2</sup> Deficiency in Myeloid Cells Ameliorates Alzheimer's Disease-Related Symptoms and Pathology. Journal of Neuroscience, 2014, 34, 12982-12999.	1.7	34

#	ARTICLE	IF	Citations
57	Electrophilic Warhead-Based Design of Compounds Preventing NLRP3 Inflammasome-Dependent Pyroptosis. Journal of Medicinal Chemistry, 2014, 57, 10366-10382.	2.9	69
58	IKKα negatively regulates ASC-dependent inflammasome activation. Nature Communications, 2014, 5, 4977.	5.8	96
59	Changes in mitochondrial function are pivotal in neurodegenerative and psychiatric disorders: How important is <scp>BDNF</scp> ?. British Journal of Pharmacology, 2014, 171, 2206-2229.	2.7	81
60	Protein Kinase R and the Inflammasome. Journal of Interferon and Cytokine Research, 2014, 34, 447-454.	0.5	41
61	Autophagy in microglia degrades extracellular $\hat{l}^2$ -amyloid fibrils and regulates the NLRP3 inflammasome. Autophagy, 2014, 10, 1761-1775.	4.3	322
62	A Critical Role for Human Caspase-4 in Endotoxin Sensitivity. Journal of Immunology, 2014, 193, 335-343.	0.4	95
63	Resveratrol and Alzheimer $\tilde{A}$ ¢ $\hat{a}$ , $\neg \hat{a}$ , $\varphi$ s disease: message in a bottle on red wine and cognition. Frontiers in Aging Neuroscience, 2014, 6, 95.	1.7	84
64	Age-associated dysregulation of microglial activation is coupled with enhanced blood-brain barrier permeability and pathology in APP/PS1 mice. Neurobiology of Aging, 2014, 35, 1442-1452.	1.5	113
65	Migration of neutrophils targeting amyloid plaques in Alzheimer's disease mouse model. Neurobiology of Aging, 2014, 35, 1286-1292.	1.5	146
66	Investigation of the effects of short-term inhalation of carbon nanoparticles on brains and lungs of c57bl/6j and p47phoxâ^'/â^' mice. NeuroToxicology, 2014, 43, 65-72.	1.4	17
67	Impairment of in vivo calcium signaling in amyloid plaque-associated microglia. Acta Neuropathologica, 2014, 127, 495-505.	3.9	88
68	Microglia and brain macrophages in the molecular age: from origin to neuropsychiatric disease. Nature Reviews Neuroscience, 2014, 15, 300-312.	4.9	1,069
69	What is microglia neurotoxicity (Not)?. Glia, 2014, 62, 841-854.	2.5	127
70	Network-wide dysregulation of calcium homeostasis in Alzheimer's disease. Cell and Tissue Research, 2014, 357, 427-438.	1.5	63
71	Modulation of inflammation in transgenic models of Alzheimerâ $\in$ <sup>TM</sup> s disease. Journal of Neuroinflammation, 2014, 11, 25.	3.1	99
72	Microglial dysfunction in brain aging and Alzheimer's disease. Biochemical Pharmacology, 2014, 88, 594-604.	2.0	469
73	Calcium regulation of neural rhythms, memory and Alzheimer's disease. Journal of Physiology, 2014, 592, 281-293.	1.3	154
74	NOS2 expression is restricted to neurons in the healthy brain but is triggered in microglia upon inflammation. Glia, 2014, 62, 956-963.	2.5	37

#	Article	IF	Citations
75	The role of inflammasome in Alzheimer's disease. Ageing Research Reviews, 2014, 15, 6-15.	5.0	162
76	Beyond canonical inflammasomes: emerging pathways in IL-1-mediated autoinflammatory disease. Seminars in Immunopathology, 2014, 36, 595-609.	2.8	27
77	Inflammasomes and Metabolic Disease. Annual Review of Physiology, 2014, 76, 57-78.	5.6	111
78	7,8-Dihydroxyflavone Prevents Synaptic Loss and Memory Deficits in a Mouse Model of Alzheimer's Disease. Neuropsychopharmacology, 2014, 39, 638-650.	2.8	198
79	The role of oxidative stress during inflammatory processes. Biological Chemistry, 2014, 395, 203-230.	1.2	469
80	Inflammasomes in the CNS. Nature Reviews Neuroscience, 2014, 15, 84-97.	4.9	537
81	Amyloid-β induces NLRP1-dependent neuronal pyroptosis in models of Alzheimer's disease. Cell Death and Disease, 2014, 5, e1382-e1382.	2.7	248
82	Accelerated microglial pathology is associated with $\langle scp \rangle A \langle scp \rangle \hat{l}^2$ plaques in mouse models of $\langle scp \rangle A \langle scp \rangle l$ zheimer's disease. Aging Cell, 2014, 13, 584-595.	3.0	113
83	Molecular Regulation of Cell Fate in Cerebral Ischemia: Role of the Inflammasome and Connected Pathways. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1857-1867.	2.4	40
84	Proteome characterization of splenocytes from an <scp>A</scp> β <scp>pp/psâ€</scp> 1 Alzheimer's disease model. Proteomics, 2014, 14, 291-297.	1.3	4
85	Brain insulin resistance in Alzheimer's disease and its potential treatment with GLP-1 analogs. Neurodegenerative Disease Management, 2014, 4, 31-40.	1.2	90
86	The Microtubule-associated Protein EB1 Links AIM2 Inflammasomes with Autophagy-dependent Secretion. Journal of Biological Chemistry, 2014, 289, 29322-29333.	1.6	47
87	Galectins and Neuroinflammation. Advances in Neurobiology, 2014, 9, 517-542.	1.3	47
88	High-temperature calcined fullerene nanowhiskers as well as long needle-like multi-wall carbon nanotubes have abilities to induce NLRP3-mediated IL- $1\hat{l}^2$ secretion. Biochemical and Biophysical Research Communications, 2014, 452, 593-599.	1.0	14
89	NADPH oxidase- and mitochondria-derived reactive oxygen species in proinflammatory microglial activation: a bipartisan affair?. Free Radical Biology and Medicine, 2014, 76, 34-46.	1.3	160
90	Innate immune activation in neurodegenerative disease. Nature Reviews Immunology, 2014, 14, 463-477.	10.6	1,053
91	Simultaneous monitoring of cerebral metal accumulation in an experimental model of Wilson's disease by laser ablation inductively coupled plasma mass spectrometry. BMC Neuroscience, 2014, 15, 98.	0.8	33
92	Longitudinal follow-up of autophagy and inflammation in brain of APPswePS1dE9 transgenic mice. Journal of Neuroinflammation, $2014, 11, 139$ .	3.1	86

#	Article	IF	Citations
93	Glycobiology of the Nervous System. Advances in Neurobiology, 2014, , .	1.3	9
94	Microglia as a critical player in both developmental and late-life CNS pathologies. Acta Neuropathologica, 2014, 128, 333-345.	3.9	64
95	3,4-Methylenedioxy- $\hat{l}^2$ -nitrostyrene Inhibits NLRP3 Inflammasome Activation by Blocking Assembly of the Inflammasome. Journal of Biological Chemistry, 2014, 289, 1142-1150.	1.6	216
96	The role of the inflammasome in cardiovascular diseases. Journal of Molecular Medicine, 2014, 92, 307-319.	1.7	38
97	Microglia: unique and common features with other tissue macrophages. Acta Neuropathologica, 2014, 128, 319-331.	3.9	111
98	IPAF inflammasome is involved in interleukin- $1\hat{l}^2$ production from astrocytes, induced by palmitate; implications for Alzheimer's Disease. Neurobiology of Aging, 2014, 35, 309-321.	1.5	82
99	Microglia receptors and their implications in the response to amyloid $\hat{l}^2$ for Alzheimerâ $\in$ <sup>TM</sup> s disease pathogenesis. Journal of Neuroinflammation, 2014, 11, 48.	3.1	269
100	Rapid inflammasome activation in microglia contributes to brain disease in HIV/AIDS. Retrovirology, 2014, 11, 35.	0.9	180
101	Hormones and diet, but not body weight, control hypothalamic microglial activity. Glia, 2014, 62, 17-25.	2.5	203
102	Microglia in Health and Disease. , 2014, , .		19
103	Inflammasome activation and metabolic disease progression. Cytokine and Growth Factor Reviews, 2014, 25, 699-706.	3.2	26
104	Amyloid- $\hat{l}^2(1-42)$ protofibrils stimulate a quantum of secreted IL- $1\hat{l}^2$ despite significant intracellular IL- $1\hat{l}^2$ accumulation in microglia. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2014, 1842, 2276-2285.	1.8	32
105	Korean red ginseng extracts inhibit NLRP3 and AIM2 inflammasome activation. Immunology Letters, 2014, 158, 143-150.	1.1	67
106	The nature, significance, and glucagonâ€like peptideâ€l analog treatment of brain insulin resistance in Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, S12-25.	0.4	106
107	Activation of inflammasomes in podocyte injury of mice on the high fat diet: Effects of ASC gene deletion and silencing. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 836-845.	1.9	72
108	Alzheimer's Disease: New Data Highlight Nonneuronal Cell Types and the Necessity for Presymptomatic Prevention Strategies. Biological Psychiatry, 2014, 75, 553-557.	0.7	11
109	Type-1 interferon signaling mediates neuro-inflammatory events in models of Alzheimer's disease. Neurobiology of Aging, 2014, 35, 1012-1023.	1.5	120
110	Defective mitophagy driven by dysregulation of rheb and KIF5B contributes to mitochondrial reactive oxygen species (ROS)-induced nod-like receptor 3 (NLRP3) dependent proinflammatory response and aggravates lipotoxicity. Redox Biology, 2014, 3, 63-71.	3.9	68

#	Article	IF	Citations
111	â€~Neuroinflammation' differs categorically from inflammation: transcriptomes of Alzheimer's disease, Parkinson's disease, schizophrenia and inflammatory diseases compared. Neurogenetics, 2014, 15, 201-212.	0.7	55
112	Mechanisms and Functions of Inflammasomes. Cell, 2014, 157, 1013-1022.	13.5	1,999
113	Interleukin- $1\hat{l}^2$ mediated amyloid plaque clearance is independent of CCR2 signaling in the APP/PS1 mouse model of Alzheimer's disease. Neurobiology of Disease, 2014, 69, 124-133.	2.1	33
114	The impact of neuroimmune changes on development of amyloid pathology; relevance to <scp>A</scp> lzheimer's disease. Immunology, 2014, 141, 292-301.	2.0	56
115	Microglial NLRP3 inflammasome activation mediates IL- $1\hat{1}^2$ -related inflammation in prefrontal cortex of depressive rats. Brain, Behavior, and Immunity, 2014, 41, 90-100.	2.0	339
117	Astrocytes and neuroinflammation in Alzheimer's disease. Biochemical Society Transactions, 2014, 42, 1321-1325.	1.6	76
118	Complement C5a potentiates uric acid crystalâ€induced ILâ€1β production. European Journal of Immunology, 2014, 44, 3669-3679.	1.6	59
119	Cooperative Therapeutic Action of Retinoic Acid Receptor and Retinoid X Receptor Agonists in a Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 42, 587-605.	1.2	45
120	Polymorphism in the NLRP3 inflammasome-associated EIF2AK2 gene and inflammatory bowel disease. Molecular Medicine Reports, 2015, 11, 4579-4584.	1.1	10
121	Synergistic Actions of Microglia and Astrocytes in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 45, 1001-1014.	1.2	41
122	Low-frequency magnetic fields do not aggravate disease in mouse models of Alzheimer's disease and amyotrophic lateral sclerosis. Scientific Reports, 2015, 5, 8585.	1.6	11
123	A novel human model of the neurodegenerative disease <scp>GM1</scp> gangliosidosis using induced pluripotent stem cells demonstrates inflammasome activation. Journal of Pathology, 2015, 237, 98-110.	2.1	40
124	NLRP3 inflammasome is expressed by astrocytes in the SOD1 mouse model of ALS and in human sporadic ALS patients. Glia, 2015, 63, 2260-2273.	2.5	201
125	Does Infection-Induced Immune Activation Contribute to Dementia?. , 2015, 6, 342.		34
126	Neuroinflammation in Alzheimer's disease. Neuropsychiatric Disease and Treatment, 2015, 11, 243.	1.0	221
127	Metabolic Risk Factors of Sporadic Alzheimer's Disease: Implications in the Pathology, Pathogenesis and Treatment., 2015, 6, 282.		101
128	Alzheimer's Disease: Mechanism and Approach to Cell Therapy. International Journal of Molecular Sciences, 2015, 16, 26417-26451.	1.8	82
129	Microglial cell dysregulation in brain aging and neurodegeneration. Frontiers in Aging Neuroscience, 2015, 7, 124.	1.7	421

#	Article	IF	Citations
130	Systemic Inflammation and the Brain: Novel Roles of Genetic, Molecular, and Environmental Cues as Drivers of Neurodegeneration. Frontiers in Cellular Neuroscience, 2015, 9, 28.	1.8	248
131	The Role of Stefin B in Neuro-inflammation. Frontiers in Cellular Neuroscience, 2015, 9, 458.	1.8	21
132	Neuropathic Pain Phenotype Does Not Involve the NLRP3 Inflammasome and Its End Product Interleukin- $1\hat{1}^2$ in the Mice Spared Nerve Injury Model. PLoS ONE, 2015, 10, e0133707.	1.1	30
133	Ablation of CCAAT/Enhancer-Binding Protein Delta (C/EBPD): Increased Plaque Burden in a Murine Alzheimer's Disease Model. PLoS ONE, 2015, 10, e0134228.	1.1	5
134	Lessons from Microglia Aging for the Link between Inflammatory Bone Disorders and Alzheimer's Disease. Journal of Immunology Research, 2015, 2015, 1-9.	0.9	25
135	NLRP3 Inflammasome: Activation and Regulation in Age-Related Macular Degeneration. Mediators of Inflammation, 2015, 2015, 1-11.	1.4	79
136	Role of Genetic Alterations in the <i>NLRP3 </i> and <i>CARD8 </i> Genes in Health and Disease. Mediators of Inflammation, 2015, 2015, 1-10.	1.4	57
137	Role of Inflammasomes in Intestinal Inflammation and Crohn $\hat{E}$ 4s Disease. Inflammatory Bowel Diseases, 2015, 21, 173-181.	0.9	70
138	Type 2 diabetes as a protein misfolding disease. Trends in Molecular Medicine, 2015, 21, 439-449.	3.5	255
139	Soluble amyloid triggers a myeloid differentiation factor 88 and interferon regulatory factor 7 dependent neuronal type-1 interferon response in vitro. Journal of Neuroinflammation, 2015, 12, 71.	3.1	21
140	Loss of MyD88 alters neuroinflammatory response and attenuates early Purkinje cell loss in a spinocerebellar ataxia type 6 mouse model. Human Molecular Genetics, 2015, 24, 4780-4791.	1.4	29
141	Innate Immunity Fights Alzheimer's Disease. Trends in Neurosciences, 2015, 38, 674-681.	4.2	97
142	Reduction of microbleeds by immunosuppression in a patient with $A\hat{l}^2$ -related vascular inflammation. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e165.	3.1	9
143	Arginase $1+$ microglia reduce $A\hat{l}^2$ plaque deposition during IL- $1\hat{l}^2$ -dependent neuroinflammation. Journal of Neuroinflammation, 2015, 12, 203.	3.1	111
144	Blocking IGF Signaling in Adult Neurons Alleviates Alzheimer's Disease Pathology through Amyloid-Î <sup>2</sup> Clearance. Journal of Neuroscience, 2015, 35, 11500-11513.	1.7	124
145	Amyloid fibrils are the molecular trigger of inflammation in Parkinson's disease. Biochemical Journal, 2015, 471, 323-333.	1.7	144
146	Immune cell dynamics in the CNS: Learning from the zebrafish. Glia, 2015, 63, 719-735.	2.5	49
147	Microglial priming and enhanced reactivity to secondary insult in aging, and traumatic CNS injury, and neurodegenerative disease. Neuropharmacology, 2015, 96, 29-41.	2.0	313

#	Article	IF	Citations
148	Megacities air pollution problems: Mexico City Metropolitan Area critical issues on the central nervous system pediatric impact. Environmental Research, 2015, 137, 157-169.	3.7	101
149	Emerging roles of the $\hat{I}^3$ -secretase-notch axis in inflammation. , 2015, 147, 80-90.		24
150	Long-term treatment with Ginkgo biloba extract EGb 761 improves symptoms and pathology in a transgenic mouse model of Alzheimer's disease. Brain, Behavior, and Immunity, 2015, 46, 121-131.	2.0	110
151	Nitric oxide synthase in innate and adaptive immunity: an update. Trends in Immunology, 2015, 36, 161-178.	2.9	657
152	The ketone metabolite β-hydroxybutyrate blocks NLRP3 inflammasome–mediated inflammatory disease. Nature Medicine, 2015, 21, 263-269.	15.2	1,400
153	IL-10 Alters Immunoproteostasis in APP Mice, Increasing Plaque Burden and Worsening Cognitive Behavior. Neuron, 2015, 85, 519-533.	3.8	292
154	Neuroinflammatory changes negatively impact on LTP: A focus on IL- $1\hat{l}^2$ . Brain Research, 2015, 1621, 197-204.	1.1	76
155	Innate immunity in Alzheimer's disease. Nature Immunology, 2015, 16, 229-236.	7.0	619
156	Peroxyauraptenol Inhibits Inflammation and NLRP3 Inflammasome Activation by Inhibiting Reactive Oxygen Species Generation and Preserving Mitochondrial Integrity. Journal of Agricultural and Food Chemistry, 2015, 63, 1210-1219.	2.4	26
157	The Evolving Biology of Microglia in Alzheimer's Disease. Neurotherapeutics, 2015, 12, 81-93.	2.1	63
158	Adipose tissue as an immunological organ. Obesity, 2015, 23, 512-518.	1.5	320
159	TYROBP in Alzheimer's Disease. Molecular Neurobiology, 2015, 51, 820-826.	1.9	79
160	PKR downregulation prevents neurodegeneration and $\hat{l}^2$ -amyloid production in a thiamine-deficient model. Cell Death and Disease, 2015, 6, e1594-e1594.	2.7	32
161	The Role of Neuroinflammation in Dementias. Current Neurology and Neuroscience Reports, 2015, 15, 17.	2.0	112
162	Neurovascular Protection by Telmisartan via Reducing Neuroinflammation in Stroke-Resistant Spontaneously Hypertensive Rat Brain after Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 537-547.	0.7	33
163	Neuronal NLRP1 inflammasome activation of Caspase-1 coordinately regulates inflammatory interleukin-1-beta production and axonal degeneration-associated Caspase-6 activation. Cell Death and Differentiation, 2015, 22, 1676-1686.	5.0	223
164	Iron Toxicity in the Retina Requires Alu RNA and the NLRP3 Inflammasome. Cell Reports, 2015, 11, 1686-1693.	2.9	78
165	Neuroglial Transmission. Physiological Reviews, 2015, 95, 695-726.	13.1	160

#	Article	IF	CITATIONS
166	TDP-43 activates microglia through NF-κB and NLRP3 inflammasome. Experimental Neurology, 2015, 273, 24-35.	2.0	174
167	Lipidomic evidence that lowering the typical dietary palmitate to oleate ratio in humans decreases the leukocyte production of proinflammatory cytokines and muscle expression of redox-sensitive genes. Journal of Nutritional Biochemistry, 2015, 26, 1599-1606.	1.9	32
168	Current and future implications of basic and translational research on amyloid- $\hat{l}^2$ peptide production and removal pathways. Molecular and Cellular Neurosciences, 2015, 66, 3-11.	1.0	56
169	Deficient NLRP3 and AIM2 Inflammasome Function in Autoimmune NZB Mice. Journal of Immunology, 2015, 195, 1233-1241.	0.4	32
170	Rifampicin attenuates rotenone-induced inflammation via suppressing NLRP3 inflammasome activation in microglia. Brain Research, 2015, 1622, 43-50.	1.1	38
171	Cytokine-producing microglia have an altered beta-amyloid load in aged APP/PS1 Tg mice. Brain, Behavior, and Immunity, 2015, 48, 86-101.	2.0	102
172	Anti-inflammatory Action of Calorie Restriction Underlies the Retardation of Aging and Age-Related Diseases. Healthy Ageing and Longevity, 2015, , 49-68.	0.2	1
173	NALP3 inflammasome activation in protein misfolding diseases. Life Sciences, 2015, 135, 9-14.	2.0	32
174	Neuronal hyperactivity – A key defect in Alzheimer's disease?. BioEssays, 2015, 37, 624-632.	1.2	182
175	Overview of Neurodegenerative Disorders and Susceptibility Factors in Neurodegenerative Processes. , 2015, , 197-210.		1
176	Inflammasomes: mechanism of action, role in disease, and therapeutics. Nature Medicine, 2015, 21, 677-687.	15.2	2,476
177	NLRP3 at the interface of metabolism and inflammation. Immunological Reviews, 2015, 265, 53-62.	2.8	245
178	Prostaglandin E2 Inhibits NLRP3 Inflammasome Activation through EP4 Receptor and Intracellular Cyclic AMP in Human Macrophages. Journal of Immunology, 2015, 194, 5472-5487.	0.4	140
179	Migration of blood cells to $\hat{l}^2$ -amyloid plaques in Alzheimer's disease. Experimental Gerontology, 2015, 65, 8-15.	1.2	76
180	Protective effect of telmisartan on neurovascular unit and inflammasome in stroke-resistant spontaneously hypertensive rats. Neurological Research, 2015, 37, 491-501.	0.6	16
181	The dynamics of monocytes and microglia in Alzheimer's disease. Alzheimer's Research and Therapy, 2015, 7, 41.	3.0	168
182	Drivers of ageâ€related inflammation and strategies for healthspan extension. Immunological Reviews, 2015, 265, 63-74.	2.8	217
183	Sulfhydryl-mediated redox signaling in inflammation: role in neurodegenerative diseases. Archives of Toxicology, 2015, 89, 1439-1467.	1.9	32

#	Article	IF	CITATIONS
184	Regulation of inflammasome activation. Immunological Reviews, 2015, 265, 6-21.	2.8	813
185	Co-morbidity and systemic inflammation as drivers of cognitive decline: new experimental models adopting a broader paradigm in dementia research. Alzheimer's Research and Therapy, 2015, 7, 33.	3.0	150
186	Resveratrol inhibits the acetylated $\hat{l}\pm$ -tubulin-mediated assembly of the NLRP3-inflammasome. International Immunology, 2015, 27, 425-434.	1.8	80
187	Immune attack: the role of inflammation in Alzheimer disease. Nature Reviews Neuroscience, 2015, 16, 358-372.	4.9	1,677
188	Neuroinflammation in Alzheimer's disease. Lancet Neurology, The, 2015, 14, 388-405.	4.9	4,129
189	Inflammasome-Induced IL- $\hat{1}^2$ Secretion in Microglia Is Characterized by Delayed Kinetics and Is Only Partially Dependent on Inflammatory Caspases. Journal of Neuroscience, 2015, 35, 678-687.	1.7	73
190	Neuroprotective effects of dietary restriction: Evidence and mechanisms. Seminars in Cell and Developmental Biology, 2015, 40, 106-114.	2.3	79
191	Cancer and Dementia. Alzheimer Disease and Associated Disorders, 2015, 29, 177-182.	0.6	83
192	AIM2 and NLRC4 inflammasomes contribute with ASC to acute brain injury independently of NLRP3. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4050-4055.	3.3	211
193	Neuronal stress signaling and elF2α phosphorylation as molecular links between Alzheimer's disease and diabetes. Progress in Neurobiology, 2015, 129, 37-57.	2.8	65
194	Nanoparticle-based caspase sensors. Nanomedicine, 2015, 10, 483-501.	1.7	11
195	Is membrane homeostasis the missing link between inflammation and neurodegenerative diseases?. Cellular and Molecular Life Sciences, 2015, 72, 4795-4805.	2.4	33
196	Paeoniflorin Atttenuates Amyloidogenesis and the Inflammatory Responses in a Transgenic Mouse Model of Alzheimer's Disease. Neurochemical Research, 2015, 40, 1583-1592.	1.6	55
197	Inflammatory caspases: key regulators of inflammation and cell death. Biological Chemistry, 2015, 396, 193-203.	1.2	74
198	β-amyloid, microglia, and the inflammasome in Alzheimer's disease. Seminars in Immunopathology, 2015, 37, 607-611.	2.8	162
199	Myeloid Cells in Alzheimer's Disease: Culprits, Victims or Innocent Bystanders?. Trends in Neurosciences, 2015, 38, 659-668.	4.2	60
201	Impact of peripheral myeloid cells on amyloid-β pathology in Alzheimer's disease–like mice. Journal of Experimental Medicine, 2015, 212, 1811-1818.	4.2	99
202	Early Upregulation of NLRP3 in the Brain of Neonatal Mice Exposed to Hypoxia-Ischemia: No Early Neuroprotective Effects of NLRP3 Deficiency. Neonatology, 2015, 108, 211-219.	0.9	34

#	Article	IF	CITATIONS
203	IFNâ€Î³ promotes Ï" phosphorylation without affecting mature tangles. FASEB Journal, 2015, 29, 4384-4398.	0.2	23
204	The Inflammasomes and Autoinflammatory Syndromes. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 395-424.	9.6	241
205	Intraneuronal $\hat{Al^2}$ accumulation induces hippocampal neuron hyperexcitability through A-type K+ current inhibition mediated by activation of caspases and GSK-3. Neurobiology of Aging, 2015, 36, 886-900.	1.5	78
206	Alleviating Effects of Bushen-Yizhi Formula on Ibotenic Acid-Induced Cholinergic Impairments in Rat. Rejuvenation Research, 2015, 18, 111-127.	0.9	20
207	Programmed Necrosis in the Cross Talk of Cell Death and Inflammation. Annual Review of Immunology, 2015, 33, 79-106.	9.5	298
208	Role of Inflammation in Neurodegenerative Diseases. , 2015, , 380-395.		2
209	DAMPs and neurodegeneration. Ageing Research Reviews, 2015, 24, 17-28.	5 <b>.</b> 0	53
210	Double Negative (IgG+IgDâ^CD27â^') B Cells are Increased in a Cohort of Moderate-Severe Alzheimer's Disease Patients and Show a Pro-Inflammatory Trafficking Receptor Phenotype. Journal of Alzheimer's Disease, 2015, 44, 1241-1251.	1.2	49
211	Toll-Like Receptor 2 and NLRP3 Cooperate To Recognize a Functional Bacterial Amyloid, Curli. Infection and Immunity, 2015, 83, 693-701.	1.0	96
212	Redox Regulation of NLRP3 Inflammasomes: ROS as Trigger or Effector?. Antioxidants and Redox Signaling, 2015, 22, 1111-1129.	2.5	630
213	A Novel Flow Cytometric Method To Assess Inflammasome Formation. Journal of Immunology, 2015, 194, 455-462.	0.4	90
214	Role of Inflammasome Activation in the Pathophysiology of Vascular Diseases of the Neurovascular Unit. Antioxidants and Redox Signaling, 2015, 22, 1188-1206.	2.5	66
215	The role of the immune system in neurodegenerative disorders: Adaptive or maladaptive?. Brain Research, 2015, 1617, 155-173.	1.1	78
216	Is Alzheimer's Associated Amyloid Beta an Innate Immune Protein. , 0, , .		1
217	Small Heterodimer Partner and Innate Immune Regulation. Endocrinology and Metabolism, 2016, 31, 17.	1.3	21
218	Recent Developments in Treating Alzheimer's Disease. , 2016, 06, .		0
219	Perspectives on the Tertiary Prevention Strategy for Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 307-316.	0.7	15
220	Resveratrol Protects against Sepsis-Associated Encephalopathy and Inhibits the NLRP3/IL- $1\hat{l}^2$ Axis in Microglia. Mediators of Inflammation, 2016, 2016, 1-10.	1.4	110

#	Article	IF	CITATIONS
221	NLRP3 Inflammasome Activation in the Brain after Global Cerebral Ischemia and Regulation by $17 < i > \hat{l}^2 < /i >$ -Estradiol. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-17.	1.9	64
222	NLRP3 Activation Was Regulated by DNA Methylation Modification during <i>Mycobacterium tuberculosis </i> Infection. BioMed Research International, 2016, 2016, 1-10.	0.9	59
223	Microglia Ontology and Signaling. Frontiers in Cell and Developmental Biology, 2016, 4, 72.	1.8	59
224	Inflammasomes and Their Role in Innate Immunity of Sexually Transmitted Infections. Frontiers in Immunology, 2016, 7, 540.	2.2	16
225	Role of the Retromer Complex in Neurodegenerative Diseases. Frontiers in Aging Neuroscience, 2016, 8, 42.	1.7	20
226	CB2 Cannabinoid Receptor As Potential Target against Alzheimer's Disease. Frontiers in Neuroscience, 2016, 10, 243.	1.4	92
227	The Relationship between NALP3 and Autoinflammatory Syndromes. International Journal of Molecular Sciences, 2016, 17, 725.	1.8	39
228	Shikonin Suppresses NLRP3 and AIM2 Inflammasomes by Direct Inhibition of Caspase-1. PLoS ONE, 2016, 11, e0159826.	1.1	25
229	Calcium-Sensing Receptors of Human Neural Cells Play Crucial Roles in Alzheimer's Disease. Frontiers in Physiology, 2016, 7, 134.	1.3	35
230	Mitochondrial reactive oxygen species and inflammation: Molecular mechanisms, diseases and promising therapies. International Journal of Biochemistry and Cell Biology, 2016, 81, 281-293.	1.2	147
231	Myelinâ€specific <scp>T</scp> cells induce interleukinâ€1beta expression in lesionâ€reactive microglialâ€like cells in zones of axonal degeneration. Glia, 2016, 64, 407-424.	2.5	28
232	Hydroxytyrosol mildly improve cognitive function independent of APP processing in APP/PS1 mice. Molecular Nutrition and Food Research, 2016, 60, 2331-2342.	1.5	65
233	Nuclear DNA damage-triggered NLRP3 inflammasome activation promotes UVB-induced inflammatory responses in human keratinocytes. Biochemical and Biophysical Research Communications, 2016, 477, 329-335.	1.0	64
234	Design, Synthesis, and Evaluation of Acrylamide Derivatives as Direct NLRP3 Inflammasome Inhibitors. ChemMedChem, 2016, 11, 1790-1803.	1.6	62
235	Glial alterations from early to late stages in a model of $\langle scp \rangle A \langle scp \rangle l$ zheimer's disease: Evidence of autophagy involvement in $\langle scp \rangle A \langle scp \rangle \hat{l}^2$ internalization. Hippocampus, 2016, 26, 194-210.	0.9	64
236	Modulation of inflammasome activity by <i>Porphyromonas gingivalis</i> in periodontitis and associated systemic diseases. Journal of Oral Microbiology, 2016, 8, 30385.	1.2	79
237	The Nucleotide Oligomerization Domain-Like Receptors in Kidney Injury. Kidney Diseases (Basel,) Tj ETQq0 0 0 rgl	BT <sub>1</sub> /Overlo	ock <sub>8</sub> 10 Tf 50 1
238	High Resolution Dissection of Reactive Glial Nets in Alzheimer's Disease. Scientific Reports, 2016, 6, 24544.	1.6	56

#	Article	IF	CITATIONS
239	Cytoplasmic Sensing in Innate Immunity. , 2016, , 710-726.		0
240	AIM 2 inflammasomes regulate neuronal morphology and influence anxiety and memory in mice. Scientific Reports, 2016, 6, 32405.	1.6	39
241	A rat model of ataxia-telangiectasia: evidence for a neurodegenerative phenotype. Human Molecular Genetics, 2017, 26, ddw371.	1.4	59
242	Inflammasome Involvement in Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 54, 45-53.	1.2	54
243	DAMPs, MAMPs, and NAMPs in plant innate immunity. BMC Plant Biology, 2016, 16, 232.	1.6	251
244	Expression of IL- $1\hat{1}^2$ in rhesus EAE and MS lesions is mainly induced in the CNS itself. Journal of Neuroinflammation, 2016, 13, 138.	3.1	55
245	Interferons and inflammasomes: Cooperation and counterregulation in disease. Journal of Allergy and Clinical Immunology, 2016, 138, 37-46.	1.5	68
246	Measuring IL- $1\hat{l}^2$ Processing by Bioluminescence Sensors II: The iGLuc System. Methods in Molecular Biology, 2016, 1417, 97-113.	0.4	5
247	The intersection of cell death and inflammasome activation. Cellular and Molecular Life Sciences, 2016, 73, 2349-2367.	2.4	139
248	MicroRNA-7 targets Nod-like receptor protein 3 inflammasome to modulate neuroinflammation in the pathogenesis of Parkinson's disease. Molecular Neurodegeneration, 2016, 11, 28.	4.4	347
249	TREM2-mediated early microglial response limits diffusion and toxicity of amyloid plaques. Journal of Experimental Medicine, 2016, 213, 667-675.	4.2	565
250	The mechanisms of Mallory–Denk body formation are similar to the formation of aggresomes in Alzheimer's disease and other neurodegenerative disorders. Experimental and Molecular Pathology, 2016, 100, 426-433.	0.9	11
251	IL-33 ameliorates Alzheimer's disease-like pathology and cognitive decline. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2705-13.	3.3	247
252	Copper Exposure Perturbs Brain Inflammatory Responses and Impairs Clearance of Amyloid-Beta. Toxicological Sciences, 2016, 152, 194-204.	1.4	75
253	Genomics of Alzheimer Disease. JAMA Neurology, 2016, 73, 867.	4.5	105
254	Thoughts on Obesity and Brain Glucose. Cell, 2016, 165, 773-775.	13.5	5
255	Neuroprotective effect of asiatic acid against spinal cord injury in rats. Life Sciences, 2016, 157, 45-51.	2.0	47
256	Mitochondria and the NLRP3 inflammasome: physiological and pathological relevance. Archives of Pharmacal Research, 2016, 39, 1503-1518.	2.7	148

#	Article	IF	CITATIONS
257	Multitasking Microglia and Alzheimer's Disease: Diversity, Tools and Therapeutic Targets. Journal of Molecular Neuroscience, 2016, 60, 390-404.	1.1	12
258	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. Journal of Neuroscience Research, 2016, 94, 1588-1603.	1.3	101
259	Microglia contributes to plaque growth by cell death due to uptake of amyloid $\hat{l}^2$ in the brain of Alzheimer's disease mouse model. Glia, 2016, 64, 2274-2290.	2.5	147
260	Inflammasomes link vascular disease with neuroinflammation and brain disorders. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1668-1685.	2.4	129
261	Microglia communication: Parallels between aging and Alzheimer's disease. Clinical and Experimental Neuroimmunology, 2016, 7, 114-125.	0.5	60
262	Targeting innate immunity for neurodegenerative disorders of the central nervous system. Journal of Neurochemistry, 2016, 138, 653-693.	2.1	106
263	The pathogenic role of the inflammasome in neurodegenerative diseases. Journal of Neurochemistry, 2016, 136, 29-38.	2.1	253
264	The contribution of neuroinflammation to amyloid toxicity in Alzheimer's disease. Journal of Neurochemistry, 2016, 136, 457-474.	2.1	331
265	Multifaceted roles of neuroinflammation: the need to consider both sides of the coin. Journal of Neurochemistry, 2016, 136, 5-9.	2.1	17
266	Uncoupling protein 2 modulation of the NLRP3 inflammasome in astrocytes and its implications in depression. Redox Biology, 2016, 9, 178-187.	3.9	60
267	The human-specific <i>CASP4</i> gene product contributes to Alzheimer-related synaptic and behavioural deficits. Human Molecular Genetics, 2016, 25, 4315-4327.	1.4	21
268	Interactions between inflammation, sex steroids, and Alzheimer's disease risk factors. Frontiers in Neuroendocrinology, 2016, 43, 60-82.	2.5	81
269	Cerebrovascular complications of diabetes: focus on cognitive dysfunction. Clinical Science, 2016, 130, 1807-1822.	1.8	63
270	A novel "complement–metabolism–inflammasome axis―as a key regulator of immune cell effector function. European Journal of Immunology, 2016, 46, 1563-1573.	1.6	107
271	Sulforaphane attenuates activation of NLRP3 and NLRC4 inflammasomes but not AIM2 inflammasome. Cellular Immunology, 2016, 306-307, 53-60.	1.4	47
272	Ursodeoxycholic acid impairs atherogenesis and promotes plaque regression by cholesterol crystal dissolution in mice. Biochemical and Biophysical Research Communications, 2016, 478, 356-362.	1.0	23
273	Vitamin B6 Prevents IL- $1\hat{l}^2$ Protein Production by Inhibiting NLRP3 Inflammasome Activation. Journal of Biological Chemistry, 2016, 291, 24517-24527.	1.6	81
274	Knockout of Ccr2 alleviates photoreceptor cell death in rodent retina exposed to chronic blue light. Cell Death and Disease, 2016, 7, e2468-e2468.	2.7	28

#	Article	IF	CITATIONS
275	Chronic Neuroinflammation Underlying Pathogenesis of Alzheimer's Disease. , 2016, , 661-671.		1
276	25-hydroxycholesterol contributes to cerebral inflammation of X-linked adrenoleukodystrophy through activation of the NLRP3 inflammasome. Nature Communications, 2016, 7, 13129.	5.8	124
277	The "ins and outs―of complementâ€driven immune responses. Immunological Reviews, 2016, 274, 16-32.	2.8	99
278	Fenamate NSAIDs inhibit the NLRP3 inflammasome and protect against Alzheimer's disease in rodent models. Nature Communications, 2016, 7, 12504.	5.8	328
279	Network-based in silico drug efficacy screening. Nature Communications, 2016, 7, 10331.	5.8	394
280	Antibiotic-induced perturbations in gut microbial diversity influences neuro-inflammation and amyloidosis in a murine model of Alzheimer's disease. Scientific Reports, 2016, 6, 30028.	1.6	469
281	Deletion of the type-1 interferon receptor in APPSWE/PS1î"E9 mice preserves cognitive function and alters glial phenotype. Acta Neuropathologica Communications, 2016, 4, 72.	2.4	58
282	An NLRP3-specific inflammasome inhibitor attenuates crystal-induced kidney fibrosis inÂmice. Kidney International, 2016, 90, 525-539.	2.6	144
283	Activation of phagocytic activity in astrocytes by reduced expression of the inflammasome component ASC and its implication in a mouse model of Alzheimer disease. Journal of Neuroinflammation, 2016, 13, 20.	3.1	73
284	Crystallopathies. New England Journal of Medicine, 2016, 374, 2465-2476.	13.9	110
285	T helper 1 immunity requires complement-driven NLRP3 inflammasome activity in CD4 <sup>+</sup> T cells. Science, 2016, 352, aad1210.	6.0	395
286	Mitochondrial Signaling and Neurodegeneration. , 2016, , 107-137.		6
287	Molecular and genetic inflammation networks in major human diseases. Molecular BioSystems, 2016, 12, 2318-2341.	2.9	49
288	A Fluorescent Reporter Mouse for Inflammasome Assembly Demonstrates an Important Role for Cell-Bound and Free ASC Specks during InÂVivo Infection. Cell Reports, 2016, 16, 571-582.	2.9	99
289	Obesity and sex interact in the regulation of Alzheimer's disease. Neuroscience and Biobehavioral Reviews, 2016, 67, 102-118.	2.9	65
290	Inflammation in central nervous system diseases. Clinical and Experimental Neuroimmunology, 2016, 7, 18-27.	0.5	1
291	Immune-mediated processes in neurodegeneration: where do we stand?. Journal of Neurology, 2016, 263, 1683-1701.	1.8	36
292	NLRP3 inflammasome activation drives bystander cone photoreceptor cell death in a P23H rhodopsin model of retinal degeneration. Human Molecular Genetics, 2016, 25, 1501-1516.	1.4	83

#	Article	IF	CITATIONS
293	Atorvastatin ameliorates cognitive impairment, $\hat{Al^2}1$ -42 production and Tau hyperphosphorylation in APP/PS1 transgenic mice. Metabolic Brain Disease, 2016, 31, 693-703.	1.4	15
294	Mitochondria-Targeting Ceria Nanoparticles as Antioxidants for Alzheimer's Disease. ACS Nano, 2016, 10, 2860-2870.	7.3	481
295	The role of autophagy in modulation of neuroinflammation in microglia. Neuroscience, 2016, 319, 155-167.	1.1	148
296	Luteinizing hormone downregulation but not estrogen replacement improves ovariectomy-associated cognition and spine density loss independently of treatment onset timing. Hormones and Behavior, 2016, 78, 60-66.	1.0	26
297	Cerebral Innate Immunity., 2016,, 361-386.		0
298	The NLRP3 and NLRP1 inflammasomes are activated in Alzheimer's disease. Molecular Neurodegeneration, 2016, 11, 23.	4.4	349
299	The inflammasome NLRP3 plays a protective role against a viral immunopathological lesion. Journal of Leukocyte Biology, 2016, 99, 647-657.	1.5	37
300	APOE*E2 allele delays age of onset in PSEN1 E280A Alzheimer's disease. Molecular Psychiatry, 2016, 21, 916-924.	4.1	89
301	Activation of the NLRP3 inflammasome by cellular labile iron. Experimental Hematology, 2016, 44, 116-124.	0.2	68
302	Inhibiting the Inflammasome: A Chemical Perspective. Journal of Medicinal Chemistry, 2016, 59, 1691-1710.	2.9	113
303	Viral gene transfer of APPsî± rescues synaptic failure in an Alzheimer's disease mouse model. Acta Neuropathologica, 2016, 131, 247-266.	3.9	131
304	Potential of tocotrienols in the prevention and therapy of Alzheimer's disease. Journal of Nutritional Biochemistry, 2016, 31, 1-9.	1.9	33
305	Sulforaphane exerts its anti-inflammatory effect against amyloid- $\hat{l}^2$ peptide via STAT-1 dephosphorylation and activation of Nrf2/HO-1 cascade in human THP-1 macrophages. Neurobiology of Aging, 2016, 38, 1-10.	1.5	77
306	Tissue-Plasminogen Activator Attenuates Alzheimer's Disease-Related Pathology Development in APPswe/PS1 Mice. Neuropsychopharmacology, 2016, 41, 1297-1307.	2.8	26
307	Microglia in Health and Disease. Cold Spring Harbor Perspectives in Biology, 2016, 8, a020560.	2.3	211
308	The Expression Changes of Inflammasomes in the Aging Rat Kidneys. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 747-756.	1.7	26
309	Microglia in Alzheimer's disease: A multifaceted relationship. Brain, Behavior, and Immunity, 2016, 55, 138-150.	2.0	98
310	Dissecting the Contribution of Vascular Alterations and Aging to Alzheimer's Disease. Molecular Neurobiology, 2016, 53, 3793-3811.	1.9	48

#	Article	IF	Citations
311	Sterile signals generate weaker and delayed macrophage NLRP3 inflammasome responses relative to microbial signals. Cellular and Molecular Immunology, 2017, 14, 118-126.	4.8	42
312	Caspase-1 Deficiency Alleviates Dopaminergic Neuronal Death via Inhibiting Caspase-7/AIF Pathway in MPTP/p Mouse Model of Parkinson's Disease. Molecular Neurobiology, 2017, 54, 4292-4302.	1.9	67
313	Targeting neuroinflammation in Alzheimer's disease: evidence for NSAIDs and novel therapeutics. Expert Review of Neurotherapeutics, 2017, 17, 17-32.	1.4	73
314	Inflammation in Alzheimer's disease: Lessons learned from microglia-depletion models. Brain, Behavior, and Immunity, 2017, 61, 1-11.	2.0	266
315	The mechanism of NLRP3 inflammasome initiation: Trimerization but not dimerization of the NLRP3 pyrin domain induces robust activation of IL- $1\hat{l}^2$ . Biochemical and Biophysical Research Communications, 2017, 483, 823-828.	1.0	17
316	Dual role of interleukinâ $\in$ 1 $\hat{l}^2$ in islet amyloid formation and its $\hat{l}^2$ â $\in$ cell toxicity: $<$ scp $>$ I $<$ /scp $>$ mplications for type 2 diabetes and islet transplantation. Diabetes, Obesity and Metabolism, 2017, 19, 682-694.	2.2	36
317	Autophagy regulates MAVS signaling activation in a phosphorylation-dependent manner in microglia. Cell Death and Differentiation, 2017, 24, 276-287.	5.0	55
318	Inflammasome Priming in Sterile Inflammatory Disease. Trends in Molecular Medicine, 2017, 23, 165-180.	3.5	193
320	Immune Sensors and Effectors of Health and Disease. , 2017, , 93-105.		2
321	The role of peripheral immune cells in the CNS in steady state and disease. Nature Neuroscience, 2017, 20, 136-144.	7.1	468
322	Inflammasomes in Myeloid Cells: Warriors Within. Microbiology Spectrum, 2017, 5, .	1.2	21
323	Ultraviolet Radiationâ€Induced Downregulation of SERCA2 Mediates Activation of NLRP3 Inflammasome in Basal Cell Carcinoma. Photochemistry and Photobiology, 2017, 93, 1025-1033.	1.3	23
324	Segmentation of digitized histological sections for quantification of the muscularized vasculature in the mouse hind limb. Journal of Microscopy, 2017, 266, 89-103.	0.8	3
325	Alzheimer's disease as an inflammatory disease. Biomolecular Concepts, 2017, 8, 37-43.	1.0	173
326	<scp>NLRP</scp> 3 p.Q705K and <scp>CARD</scp> 8 p.C10X single nucleotide polymorphisms are not associated with susceptibility to rheumatoid arthritis: a metaâ€analysis. International Journal of Rheumatic Diseases, 2017, 20, 1481-1491.	0.9	12
327	Immunization with Bacillus Calmette-Guérin (BCG) alleviates neuroinflammation and cognitive deficits in APP/PS1 mice via the recruitment of inflammation-resolving monocytes to the brain. Neurobiology of Disease, 2017, 101, 27-39.	2.1	49
328	Reestablishing microglia function: good news for Alzheimer's therapy?. EMBO Journal, 2017, 36, 565-567.	3.5	2
329	Recent Progress in Alzheimer's Disease Research, Part 1: Pathology. Journal of Alzheimer's Disease, 2017, 57, 1-28.	1.2	75

#	Article	IF	Citations
330	Crystal nephropathies: mechanisms of crystal-induced kidney injury. Nature Reviews Nephrology, 2017, 13, 226-240.	4.1	148
331	NLRP3 inflammasome activation is associated with proliferative diabetic retinopathy. Acta Ophthalmologica, 2017, 95, 803-808.	0.6	112
332	Effects of COX1-2/5-LOX blockade in Alzheimer transgenic 3xTg-AD mice. Inflammation Research, 2017, 66, 389-398.	1.6	37
333	The role of NLRP3-CASP1 in inflammasome-mediated neuroinflammation and autophagy dysfunction in manganese-induced, hippocampal-dependent impairment of learning and memory ability. Autophagy, 2017, 13, 914-927.	4.3	165
334	Psychosocial stress on neuroinflammation and cognitive dysfunctions in Alzheimer's disease: the emerging role for microglia?. Neuroscience and Biobehavioral Reviews, 2017, 77, 148-164.	2.9	101
335	Reduction of Abeta amyloid pathology in APPPS1 transgenic mice in the absence of gut microbiota. Scientific Reports, 2017, 7, 41802.	1.6	580
336	Role of neuroinflammation in neurodegeneration: new insights. Alzheimer's Research and Therapy, 2017, 9, 14.	3.0	197
337	Placental hemostasis and sterile inflammation: New insights into gestational vascular disease. Thrombosis Research, 2017, 151, S30-S33.	0.8	21
338	Microglia Function in the Central Nervous System During Health and Neurodegeneration. Annual Review of Immunology, 2017, 35, 441-468.	9.5	1,450
339	Amyloid-beta peptide decreases expression and function of glutamate transporters in nervous system cells. International Journal of Biochemistry and Cell Biology, 2017, 85, 75-84.	1.2	25
340	Inflammasomes: Key Mediators of Lung Immunity. Annual Review of Physiology, 2017, 79, 471-494.	5.6	52
341	NLR members NLRC4 and NLRP3 mediate sterile inflammasome activation in microglia and astrocytes. Journal of Experimental Medicine, 2017, 214, 1351-1370.	4.2	284
342	Neuroinflammation as a therapeutic target in neurodegenerative diseases., 2017,, 49-80.		7
343	Immune hyperreactivity of ${\rm Al}^2$ plaque-associated microglia in Alzheimer's disease. Neurobiology of Aging, 2017, 55, 115-122.	1.5	205
345	Amelioration of amyloid-β-induced deficits by DcR3 in an Alzheimer's disease model. Molecular Neurodegeneration, 2017, 12, 30.	4.4	18
346	Cytokine networks in neuroinflammation. Nature Reviews Immunology, 2017, 17, 49-59.	10.6	479
347	Editor's Highlight: Nlrp3 Is Required for Inflammatory Changes and Nigral Cell Loss Resulting From Chronic Intragastric Rotenone Exposure in Mice. Toxicological Sciences, 2017, 159, 64-75.	1.4	45
348	Deletion of the Inflammasome Sensor <b><i>Aim2</i></b> Mitigates AÎ <sup>2</sup> Deposition and Microglial Activation but Increases Inflammatory Cytokine Expression in an Alzheimer Disease Mouse Model. NeuroImmunoModulation, 2017, 24, 29-39.	0.9	47

#	Article	IF	CITATIONS
349	Chemical synthesis of the innate immune modulator – bacterial d - glycero -β- d - manno-heptose-1,7-bisphosphate (HBP). Tetrahedron Letters, 2017, 58, 2826-2829.	0.7	15
350	Amyloidogenic proteins associated with neurodegenerative diseases activate the NLRP3 inflammasome. International Immunopharmacology, 2017, 49, 155-160.	1.7	39
351	The intracellular chloride channel proteins CLIC1 and CLIC4 induce IL- $1^{\hat{1}^2}$ transcription and activate the NLRP3 inflammasome. Journal of Biological Chemistry, 2017, 292, 12077-12087.	1.6	122
352	Inflammation and metabolism in tissue repair and regeneration. Science, 2017, 356, 1026-1030.	6.0	808
353	Early interleukin-6 enhances hepatic ketogenesis in APP/PSEN1dE9 mice via 3-hydroxy-3-methylglutary-CoA synthase 2 signaling activation by p38/nuclear factor <sup>1</sup> B p65. Neurobiology of Aging, 2017, 56, 115-126.	1.5	8
354	Cytokines and cytokine networks target neurons to modulate long-term potentiation. Cytokine and Growth Factor Reviews, 2017, 34, 27-33.	3.2	81
355	Personalized genetics of the cholinergic blockade of neuroinflammation. Journal of Neurochemistry, 2017, 142, 178-187.	2.1	29
356	Inflammasome activation by nucleic acids and nucleosomes in sterile inflammation… or is it sterile?. FEBS Journal, 2017, 284, 2363-2374.	2.2	16
357	From dysfunctional endoplasmic reticulum-mitochondria coupling to neurodegeneration. Neurochemistry International, 2017, 109, 171-183.	1.9	54
358	Blockade of Notch signaling promotes acetaminophen-induced liver injury. Immunologic Research, 2017, 65, 739-749.	1.3	29
359	The RNA-binding protein Tristetraprolin (TTP) is a critical negative regulator of the NLRP3 inflammasome. Journal of Biological Chemistry, 2017, 292, 6869-6881.	1.6	53
360	Inhibiting the NLRP3 inflammasome with MCC950 promotes non-phlogistic clearance of amyloid- $\hat{l}^2$ and cognitive function in APP/PS1 mice. Brain, Behavior, and Immunity, 2017, 61, 306-316.	2.0	371
361	Inflammasomes as therapeutic targets for <scp>A</scp> lzheimer's disease. Brain Pathology, 2017, 27, 223-234.	2,1	110
362	Inflammasome activation and innate immunity in <scp>A</scp> Izheimer's disease. Brain Pathology, 2017, 27, 220-222.	2.1	119
363	The function of NODâ€like receptors in central nervous system diseases. Journal of Neuroscience Research, 2017, 95, 1565-1573.	1.3	25
364	Microglia in Physiology and Disease. Annual Review of Physiology, 2017, 79, 619-643.	5.6	1,011
365	The role of caloric load and mitochondrial homeostasis in the regulation of the NLRP3 inflammasome. Cellular and Molecular Life Sciences, 2017, 74, 1777-1791.	2.4	28
366	Inflammasome activation in multiple sclerosis and experimental autoimmune encephalomyelitis ( <scp>EAE</scp> ). Brain Pathology, 2017, 27, 213-219.	2.1	120

#	Article	IF	CITATIONS
367	What do we know about the inflammasome in humans?. Brain Pathology, 2017, 27, 192-204.	2.1	35
368	Mechanisms of Organ Injury and Repair by Macrophages. Annual Review of Physiology, 2017, 79, 593-617.	5.6	424
369	NLRP3 Phosphorylation Is an Essential Priming Event for Inflammasome Activation. Molecular Cell, 2017, 68, 185-197.e6.	4.5	334
370	Edaravone Attenuates the Proinflammatory Response in Amyloid- $\hat{l}^2$ -Treated Microglia by Inhibiting NLRP3 Inflammasome-Mediated IL-1 $\hat{l}^2$ Secretion. Cellular Physiology and Biochemistry, 2017, 43, 1113-1125.	1.1	55
371	Activation of the <scp>NLRP</scp> 3 inflammasome in microglia: the role of ceramide. Journal of Neurochemistry, 2017, 143, 534-550.	2.1	101
372	Molecular Integration of Incretin and Glucocorticoid Action Reverses Immunometabolic Dysfunction and Obesity. Cell Metabolism, 2017, 26, 620-632.e6.	7.2	66
373	Identification of a selective and direct NLRP3 inhibitor to treat inflammatory disorders. Journal of Experimental Medicine, 2017, 214, 3219-3238.	4.2	485
374	Advanced glycation end products impair NLRP3 inflammasome–mediated innate immune responses in macrophages. Journal of Biological Chemistry, 2017, 292, 20437-20448.	1.6	46
375	Co-Localization of Glia Maturation Factor with NLRP3 Inflammasome and Autophagosome Markers in Human Alzheimer's Disease Brain. Journal of Alzheimer's Disease, 2017, 60, 1143-1160.	1.2	79
376	Mitochondrial impairment in microglia amplifies NLRP3 inflammasome proinflammatory signaling in cell culture and animal models of Parkinson's disease. Npj Parkinson's Disease, 2017, 3, 30.	2.5	189
377	The Ketone Body $\hat{I}^2$ -Hydroxybutyrate Does Not Inhibit Synuclein Mediated Inflammasome Activation in Microglia. Journal of Neurolmmune Pharmacology, 2017, 12, 568-574.	2.1	30
378	Î <sup>2</sup> -Hydroxybutyrate: A Signaling Metabolite. Annual Review of Nutrition, 2017, 37, 51-76.	4.3	478
379	Vaccination strategies in tauopathies and synucleinopathies. Journal of Neurochemistry, 2017, 143, 467-488.	2.1	30
380	Ethyl Acetate Extract Components of Bushen-Yizhi Formula Provides Neuroprotection against Scopolamine-induced Cognitive Impairment. Scientific Reports, 2017, 7, 9824.	1.6	22
381	CXCL1 and CXCL2 Regulate NLRP3 Inflammasome Activation via G-Protein–Coupled Receptor CXCR2. Journal of Immunology, 2017, 199, 1660-1671.	0.4	111
382	Amyloid formation disrupts the balance between interleukin- $1\hat{l}^2$ and interleukin-1 receptor antagonist in human islets. Molecular Metabolism, 2017, 6, 833-844.	3.0	25
383	NLRP3 Inflammasome Contributes to Lipopolysaccharide-induced Depressive-Like Behaviors via Indoleamine 2,3-dioxygenase Induction. International Journal of Neuropsychopharmacology, 2017, 20, 896-906.	1.0	45
384	Unraveling the genes implicated in Alzheimer's disease. Biomedical Reports, 2017, 7, 105-114.	0.9	22

#	Article	IF	CITATIONS
385	Impact of aging immune system on neurodegeneration and potential immunotherapies. Progress in Neurobiology, 2017, 157, 2-28.	2.8	39
386	TREM2 Maintains Microglial Metabolic Fitness in Alzheimer's Disease. Cell, 2017, 170, 649-663.e13.	13.5	741
387	Mitochondria–Endoplasmic Reticulum Contact Sites Mediate Innate Immune Responses. Advances in Experimental Medicine and Biology, 2017, 997, 187-197.	0.8	23
388	CLICs-dependent chloride efflux is an essential and proximal upstream event for NLRP3 inflammasome activation. Nature Communications, 2017, 8, 202.	5.8	246
389	Role of pattern recognition receptors of the neurovascular unit in inflamm-aging. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1000-H1012.	1.5	43
390	Age-related changes in microglial physiology: the role for healthy brain ageing and neurodegenerative disorders. E-Neuroforum, 2017, 23, A182-A191.	0.2	13
391	Microgliaâ€ŧargeted stem cell therapies for Alzheimer disease: A preclinical data review. Journal of Neuroscience Research, 2017, 95, 2420-2429.	1.3	24
392	Inflammasomes in neurological diseases: emerging pathogenic and therapeutic concepts. Brain, 2017, 140, 2273-2285.	3.7	134
393	Glial contributions to neurodegeneration in tauopathies. Molecular Neurodegeneration, 2017, 12, 50.	4.4	283
394	Activation of P2X7 receptor and NLRP3 inflammasome assembly in hippocampal glial cells mediates chronic stress-induced depressive-like behaviors. Journal of Neuroinflammation, 2017, 14, 102.	3.1	227
395	MARK4 regulates NLRP3 positioning and inflammasome activation through a microtubule-dependent mechanism. Nature Communications, 2017, 8, 15986.	5.8	104
396	Mitochondria as a centrally positioned hub in the innate immune response. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1090-1097.	1.8	104
397	Inflammasomes, hormesis, and antioxidants in neuroinflammation: Role of NRLP3 in Alzheimer disease. Journal of Neuroscience Research, 2017, 95, 1360-1372.	1.3	120
398	Danger-associated molecular patterns in Alzheimer's disease. Journal of Leukocyte Biology, 2017, 101, 87-98.	1.5	158
399	Dipeptidyl Vinyl Sulfone as a Novel Chemical Tool to Inhibit HMGB1/NLRP3-Inflammasome and Inflamma-miRs in Aβ-Mediated Microglial Inflammation. ACS Chemical Neuroscience, 2017, 8, 89-99.	1.7	38
400	Cell death in the pathogenesis of systemic lupus erythematosus and lupus nephritis. Clinical Immunology, 2017, 185, 59-73.	1.4	163
401	Neuroinflammatory challenges compromise neuronal function in the aging brain: Postoperative cognitive delirium and Alzheimer's disease. Behavioural Brain Research, 2017, 322, 269-279.	1.2	55
402	Neuroinflammation, immune system and Alzheimer disease: searching for the missing link. Aging Clinical and Experimental Research, 2017, 29, 821-831.	1.4	74

#	Article	IF	CITATIONS
403	Inflammasome-Derived Exosomes Activate NF-κB Signaling in Macrophages. Journal of Proteome Research, 2017, 16, 170-178.	1.8	72
404	Activation of the NLRP3 Inflammasome Is Associated with Valosin-Containing Protein Myopathy. Inflammation, 2017, 40, 21-41.	1.7	32
405	Mitochondrial Dysfunction and Biogenesis in Neurodegenerative diseases: Pathogenesis and Treatment. CNS Neuroscience and Therapeutics, 2017, 23, 5-22.	1.9	390
406	Association of brain amyloidosis with pro-inflammatory gut bacterial taxa and peripheral inflammation markers in cognitively impaired elderly. Neurobiology of Aging, 2017, 49, 60-68.	1.5	870
407	Resveratrol alleviates Staphylococcus $\tilde{A}^-\hat{A}_2$ , $\hat{A}_2$ aureus pneumonia by inhibition of the NLRP3 inflammasome. Experimental and Therapeutic Medicine, 2017, 14, 6099-6104.	0.8	16
408	Microglia-derived ASC specks cross-seed amyloid-β in Alzheimer's disease. Nature, 2017, 552, 355-361.	13.7	664
409	CRISPR/Cas9 mediated mutation of mouse IL- $1\hat{l}_{\pm}$ nuclear localisation sequence abolishes expression. Scientific Reports, 2017, 7, 17077.	1.6	2
410	Targeting Neuroinflammation to Treat Alzheimer's Disease. CNS Drugs, 2017, 31, 1057-1082.	2.7	182
411	Protective and therapeutic role of 2-carba-cyclic phosphatidic acid in demyelinating disease. Journal of Neuroinflammation, 2017, 14, 142.	3.1	42
412	Stress-Induced NLRP3 Inflammasome in Human Diseases. Advances in Protein Chemistry and Structural Biology, 2017, 108, 127-162.	1.0	18
413	Interleukin 1 Receptor and Alzheimer's Disease-Related Neuroinflammation. , 0, , .		1
414	Synthesis and Biological Evaluation of Novel Benzimidazole Derivatives and Analogs Targeting the NLRP3 Inflammasome. Molecules, 2017, 22, 213.	1.7	18
415	Recent Advances in the Inhibition of p38 MAPK as a Potential Strategy for the Treatment of Alzheimer's Disease. Molecules, 2017, 22, 1287.	1.7	237
416	Specks of insight into Alzheimer's disease. Nature, 2017, 552, 342-343.	13.7	14
417	NLRP3 Inflammasome in Neurological Diseases, from Functions to Therapies. Frontiers in Cellular Neuroscience, 2017, 11, 63.	1.8	352
418	Old Maids: Aging and Its Impact on Microglia Function. International Journal of Molecular Sciences, 2017, 18, 769.	1.8	163
419	YXQN Reduces Alzheimer's Disease-Like Pathology and Cognitive Decline in APPswePS1dE9 Transgenic Mice. Frontiers in Aging Neuroscience, 2017, 9, 157.	1.7	18
420	The Role of Microglia in Retinal Neurodegeneration: Alzheimer's Disease, Parkinson, and Glaucoma. Frontiers in Aging Neuroscience, 2017, 9, 214.	1.7	348

#	Article	IF	Citations
421	PINK1/Parkin-Dependent Mitochondrial Surveillance: From Pleiotropy to Parkinson's Disease. Frontiers in Molecular Neuroscience, 2017, 10, 120.	1.4	75
422	Memory Training Program Decreases the Circulating Level of Cortisol and Pro-inflammatory Cytokines in Healthy Older Adults. Frontiers in Molecular Neuroscience, 2017, 10, 233.	1.4	6
423	Manual Acupuncture Suppresses the Expression of Proinflammatory Proteins Associated with the NLRP3 Inflammasome in the Hippocampus of SAMP8 Mice. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-8.	0.5	21
424	Microglia-Synapse Pathways: Promising Therapeutic Strategy for Alzheimer's Disease. BioMed Research International, 2017, 2017, 1-11.	0.9	22
425	Contribution of Neuroinflammation in the Pathogenesis of Alzheimer's Disease. , 2017, , 201-245.		0
426	Distinct cytokine patterns may regulate the severity of neonatal asphyxia—an observational study. Journal of Neuroinflammation, 2017, 14, 244.	3.1	19
427	Targeting the NLRP3 inflammasome to attenuate spinal cord injury in mice. Journal of Neuroinflammation, 2017, 14, 207.	3.1	119
428	Nek5 Association with Mitochondria Proteins and Functions: Is It a Nek Family characteristic?. Journal of Cell Signaling, 2017, 02, .	0.3	1
429	Unconventional Pathways of Secretion Contribute to Inflammation. International Journal of Molecular Sciences, 2017, 18, 102.	1.8	43
430	The Foundation of the American Society of Retina Specialists Presidents' Young Investigator Award Lecture. Journal of Vitreoretinal Diseases, 2017, 1, 24-26.	0.2	0
431	MicroRNAâ€'33 regulates the NLRP3 inflammasome signaling pathway in macrophages. Molecular Medicine Reports, 2018, 17, 3318-3327.	1.1	28
432	Microglia in Alzheimer's disease. Journal of Clinical Investigation, 2017, 127, 3240-3249.	3.9	622
433	Microglia in prion diseases. Journal of Clinical Investigation, 2017, 127, 3230-3239.	3.9	89
434	NLRs as Helpline in the Brain: Mechanisms and Therapeutic Implications. Molecular Neurobiology, 2018, 55, 8154-8178.	1.9	14
435	Alzheimer's Disease: Recent Concepts on the Relation of Mitochondrial Disturbances, Excitotoxicity, Neuroinflammation, and Kynurenines. Journal of Alzheimer's Disease, 2018, 62, 523-547.	1.2	75
436	Mitochondria-associated membranes (MAMs) and inflammation. Cell Death and Disease, 2018, 9, 329.	2.7	210
437	Mutual Relationship between Tau and Central Insulin Signalling: Consequences for AD and Tauopathies?. Neuroendocrinology, 2018, 107, 181-195.	1.2	27
438	Preventing synaptic deficits in Alzheimer's disease by inhibiting tumor necrosis factor alpha signaling. IBRO Reports, 2018, 4, 18-21.	0.3	18

#	Article	IF	CITATIONS
439	NLRP3-dependent synaptic plasticity deficit in an Alzheimer's disease amyloidosis model in vivo. Neurobiology of Disease, 2018, 114, 24-30.	2.1	58
440	Hydrogen-rich water improves cognitive impairment gender-dependently in APP/PS1 mice without affecting ${\sf Al}^2$ clearance. Free Radical Research, 2018, 52, 1311-1322.	1.5	32
441	Neuronal SphK1 acetylates COX2 and contributes to pathogenesis in a model of Alzheimer's Disease. Nature Communications, 2018, 9, 1479.	5.8	68
442	<scp>P</scp> arkin deficiency modulates <scp>NLRP</scp> 3 inflammasome activation by attenuating an <scp>A</scp> 20â€dependent negative feedback loop. Glia, 2018, 66, 1736-1751.	2.5	100
443	Expression profile of pattern recognition receptors in skeletal muscle of SOD1 <sup>(G93A)</sup> amyotrophic lateral sclerosis (ALS) mice and sporadic ALS patients. Neuropathology and Applied Neurobiology, 2018, 44, 606-627.	1.8	23
444	Development of a characterised tool kit for the interrogation of NLRP3 inflammasome-dependent responses. Scientific Reports, 2018, 8, 5667.	1.6	27
445	Precision pharmacology for Alzheimer's disease. Pharmacological Research, 2018, 130, 331-365.	3.1	79
446	Inflammation as a Possible Link Between Dyslipidemia and Alzheimer's Disease. Neuroscience, 2018, 376, 127-141.	1.1	25
447	High dietary fat and sucrose result in an extensive and time-dependent deterioration in health of multiple physiological systems in mice. Journal of Biological Chemistry, 2018, 293, 5731-5745.	1.6	65
448	Functional and structural damage of neurons by innate immune mechanisms during neurodegeneration. Cell Death and Disease, 2018, 9, 120.	2.7	79
449	The NLRP3 inflammasome: Role in metabolic disorders and regulation by metabolic pathways. Cancer Letters, 2018, 419, 8-19.	3.2	68
450	The tail of the ventral tegmental area in behavioral processes and in the effect of psychostimulants and drugs of abuse. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 30-38.	2.5	11
451	Myeloperoxidase and Neurological Disorder: A Crosstalk. ACS Chemical Neuroscience, 2018, 9, 421-430.	1.7	50
452	Neuroinflammatory responses in Alzheimer's disease. Journal of Neural Transmission, 2018, 125, 771-779.	1.4	109
453	Enriched physical environment reverses spatial cognitive impairment of socially isolated <scp>APP</scp> swe/ <scp>PS</scp> 1dE9 transgenic mice before amyloidosis onset. CNS Neuroscience and Therapeutics, 2018, 24, 202-211.	1.9	15
454	Western Diet Triggers NLRP3-Dependent Innate Immune Reprogramming. Cell, 2018, 172, 162-175.e14.	13.5	705
455	Astrocytes decrease adult neurogenesis during virus-induced memory dysfunction via IL-1. Nature Immunology, 2018, 19, 151-161.	7.0	105
456	Mitochondria, the NLRP3 Inflammasome, and Sirtuins in Type 2 Diabetes: New Therapeutic TargetsReviewing Editors: <i>Markus Bachschmid, Dylan Burger, Vittorio Calabrese, Amadou Camara, Lukas Kubala, Giuseppe Poli, and Chandan K. Sen </i>  i>. Antioxidants and Redox Signaling, 2018, 29, 749-791.	2.5	74

#	Article	IF	Citations
457	Design, Synthesis and Evaluation of Oxazaborine Inhibitors of the NLRP3 Inflammasome. ChemMedChem, 2018, 13, 312-320.	1.6	23
458	Kv1.3 inhibition as a potential microglia-targeted therapy for Alzheimer's disease: preclinical proof of concept. Brain, 2018, 141, 596-612.	3.7	79
459	Critical role of NLRP3-caspase-1 pathway in age-dependent isoflurane-induced microglial inflammatory response and cognitive impairment. Journal of Neuroinflammation, 2018, 15, 109.	3.1	141
460	Inflammation, insulin signaling and cognitive function in aged APP/PS1 mice. Brain, Behavior, and Immunity, 2018, 70, 423-434.	2.0	56
461	Synthetic glycan-based TLR4 agonists targeting caspase-4/11 for the development of adjuvants and immunotherapeutics. Chemical Science, 2018, 9, 3957-3963.	3.7	17
462	The role of Alu-derived RNAs in Alzheimer's and other neurodegenerative conditions. Medical Hypotheses, 2018, 115, 29-34.	0.8	15
463	Cardiovascular diseases, NLRP3 inflammasome, and western dietary patterns. Pharmacological Research, 2018, 131, 44-50.	3.1	48
464	Tau and neuroinflammation: What impact for Alzheimer's Disease and Tauopathies?. Biomedical Journal, 2018, 41, 21-33.	1.4	262
465	Tranilast directly targets <scp>NLRP</scp> 3 to treat inflammasomeâ€driven diseases. EMBO Molecular Medicine, 2018, 10, .	3.3	325
466	Metabolic Dysfunction in Alzheimer's Disease: From Basic Neurobiology to Clinical Approaches. Journal of Alzheimer's Disease, 2018, 64, S405-S426.	1.2	66
467	Neurodegeneration and <scp>NLRP3</scp> inflammasome expression in the anterior thalamus of <scp>SOD1(G93A) ALS</scp> mice. Brain Pathology, 2018, 28, 14-27.	2.1	50
468	Association of adipocyte enhancerâ€binding protein 1 with <scp>A</scp> lzheimer's disease pathology in human hippocampi. Brain Pathology, 2018, 28, 58-71.	2.1	28
469	Gene deficiency and pharmacological inhibition of caspase-1 confers resilience to chronic social defeat stress via regulating the stability of surface AMPARs. Molecular Psychiatry, 2018, 23, 556-568.	4.1	118
470	Estrogen Attenuates Local Inflammasome Expression and Activation after Spinal Cord Injury. Molecular Neurobiology, 2018, 55, 1364-1375.	1.9	98
471	NLRP3 Inflammasome Inhibitor Ameliorates Amyloid Pathology in a Mouse Model of Alzheimer's Disease. Molecular Neurobiology, 2018, 55, 1977-1987.	1.9	153
472	The Development of Translational Biomarkers as a Tool for Improving the Understanding, Diagnosis and Treatment of Chronic Neuropathic Pain. Molecular Neurobiology, 2018, 55, 2420-2430.	1.9	12
473	The IL- $\hat{l^2}$ phenomena in neuroinflammatory diseases. Journal of Neural Transmission, 2018, 125, 781-795.	1.4	148
474	Type-I interferon pathway in neuroinflammation and neurodegeneration: focus on Alzheimer's disease. Journal of Neural Transmission, 2018, 125, 797-807.	1.4	66

#	ARTICLE	IF	CITATIONS
475	Cell Death Pathways: a Novel Therapeutic Approach for Neuroscientists. Molecular Neurobiology, 2018, 55, 5767-5786.	1.9	114
476	Differential contribution of microglia and monocytes in neurodegenerative diseases. Journal of Neural Transmission, 2018, 125, 809-826.	1.4	84
477	Microglia-Mediated Neuroprotection, TREM2 , and Alzheimer's Disease: Evidence From OpticalÂlmaging. Biological Psychiatry, 2018, 83, 377-387.	0.7	84
478	Sortilin inhibits amyloid pathology by regulating non-specific degradation of APP. Experimental Neurology, 2018, 299, 75-85.	2.0	13
479	Pharmacological inhibition of the NLRP3 inflammasome as a potential target for multiple sclerosis induced central neuropathic pain. Inflammopharmacology, 2018, 26, 77-86.	1.9	62
480	Interleukinâ€10 secreted by mesenchymal stem cells attenuates acute liver failure through inhibiting pyroptosis. Hepatology Research, 2018, 48, E194-E202.	1.8	66
481	Autophagy balances inflammation in innate immunity. Autophagy, 2018, 14, 243-251.	4.3	393
482	Actinidia arguta extract attenuates inflammasome activation: Potential involvement in NLRP3 ubiquitination. Journal of Ethnopharmacology, 2018, 213, 159-165.	2.0	23
483	Seedâ€induced Aβ deposition is modulated by microglia under environmental enrichment in a mouse model of Alzheimer's disease. EMBO Journal, 2018, 37, 167-182.	3.5	87
484	Cathepsin B links oxidative stress to the activation of NLRP3 inflammasome. Experimental Cell Research, 2018, 362, 180-187.	1.2	85
485	Design and application of a fluorogenic assay for monitoring inflammatory caspase activity. Analytical Biochemistry, 2018, 543, 1-7.	1.1	3
486	Microglia in Alzheimer's disease. Journal of Cell Biology, 2018, 217, 459-472.	2.3	1,188
487	Innate Immunity and Neurodegeneration. Annual Review of Medicine, 2018, 69, 437-449.	5.0	221
488	Variability and temporal dynamics of novel object recognition in aging male C57BL/6 mice. Behavioural Processes, 2018, 157, 711-716.	0.5	17
489	Connecting Alzheimer's disease to diabetes: Underlying mechanisms and potential therapeutic targets. Neuropharmacology, 2018, 136, 160-171.	2.0	99
490	Hyperbaric oxygen therapy ameliorates pathophysiology of 3xTg-AD mouse model by attenuating neuroinflammation. Neurobiology of Aging, 2018, 62, 105-119.	1.5	61
491	AMP-Activated Protein Kinase Regulation of the NLRP3 Inflammasome during Aging. Trends in Endocrinology and Metabolism, 2018, 29, 8-17.	3.1	111
492	Repeated daily administration of increasing doses of lipopolysaccharide provides a model of sustained inflammation-induced depressive-like behaviour in mice that is independent of the NLRP3 inflammasome. Behavioural Brain Research, 2018, 352, 99-108.	1.2	22

#	Article	IF	CITATIONS
493	Autophagy impairment by caspase $\hat{l}$ $\hat{l}$ $\hat{l}$ dependent inflammation mediates memory loss in response to $\hat{l}$	1.3	30
494	Notoginsenoside R1 ameliorates diabetic encephalopathy by activating the Nrf2 pathway and inhibiting NLRP3 inflammasome activation. Oncotarget, 2018, 9, 9344-9363.	0.8	54
495	The role of NLRP3 inflammasome in stroke and central poststroke pain. Medicine (United States), 2018, 97, e11861.	0.4	31
496	Expression of MAPK and Inflammasomes in Brain Cells in Experimental Alzheimer's Disease. Human Physiology, 2018, 44, 906-911.	0.1	0
497	3 .Neuropathologie und molekulare Mechanismen. , 2018, , 35-122.		1
498	Klotho controls the brain–immune system interface in the choroid plexus. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11388-E11396.	3.3	96
499	Small, Thin Graphene Oxide Is Anti-inflammatory Activating Nuclear Factor Erythroid 2-Related Factor 2 <i>via</i> Metabolic Reprogramming. ACS Nano, 2018, 12, 11949-11962.	7.3	43
500	Rusty Microglia: Trainers of Innate Immunity in Alzheimer's Disease. Frontiers in Neurology, 2018, 9, 1062.	1.1	25
501	Interplay Between the Unfolded Protein Response and Immune Function in the Development of Neurodegenerative Diseases. Frontiers in Immunology, 2018, 9, 2541.	2.2	32
502	The physiology of foamy phagocytes in multiple sclerosis. Acta Neuropathologica Communications, 2018, 6, 124.	2.4	100
503	Association between Hippocampal Shape, Neuroinflammation, and Cognitive Decline in Alzheimer's Disease. Journal of Alzheimer's Disease, 2018, 66, 1131-1144.	1.2	27
504	NLRP1 and NTN1, Deregulated Blood Differentially Methylated Regions in Mild Cognitive Impairment Patients. Journal of Molecular Neuroscience, 2018, 66, 561-571.	1.1	6
505	Impact of Morphology on Iron Oxide Nanoparticles-Induced Inflammasome Activation in Macrophages. ACS Applied Materials & Samp; Interfaces, 2018, 10, 41197-41206.	4.0	50
506	Exercise-Induced Modulation of Neuroinflammation in Models of Alzheimer's Disease. Brain Plasticity, 2018, 4, 81-94.	1.9	45
507	Microglia in Neurological Diseases: A Road Map to Brain-Disease Dependent-Inflammatory Response. Frontiers in Cellular Neuroscience, 2018, 12, 488.	1.8	482
508	Therapeutic effect of Rho kinase inhibitor FSDâ€'C10 in a mouse model of Alzheimer's disease. Experimental and Therapeutic Medicine, 2018, 16, 3929-3938.	0.8	10
509	Francisella induced microparticulate caspase-1/gasdermin-D activation is regulated by NLRP3 independent of Pyrin. PLoS ONE, 2018, 13, e0209931.	1.1	2
510	The number of remaining teeth as a risk indicator of cognitive impairment: A crossâ€sectional clinical study in ⟨scp⟩Sado Island⟨/scp⟩. Clinical and Experimental Dental Research, 2018, 4, 291-296.	0.8	5

#	Article	IF	CITATIONS
511	Is Alzheimer's Also a Stem Cell Disease? – The Zebrafish Perspective. Frontiers in Cell and Developmental Biology, 2018, 6, 159.	1.8	30
512	NLRP3 lacking the leucine-rich repeat domain can be fully activated via the canonical inflammasome pathway. Nature Communications, 2018, 9, 5182.	5.8	102
513	Brain Iron Homeostasis: A Focus on Microglial Iron. Pharmaceuticals, 2018, 11, 129.	1.7	80
514	Microglia in Alzheimer's Disease: Risk Factors and Inflammation. Frontiers in Neurology, 2018, 9, 978.	1.1	96
515	Study of Potential Anti-Inflammatory Effects of Red Wine Extract and Resveratrol through a Modulation of Interleukin-1-Beta in Macrophages. Nutrients, 2018, 10, 1856.	1.7	34
516	Positive Feedback Loops in Alzheimer's Disease: The Alzheimer's Feedback Hypothesis. Journal of Alzheimer's Disease, 2018, 66, 25-36.	1.2	32
517	NLRP3 inflammasome activation in inflammaging. Seminars in Immunology, 2018, 40, 61-73.	2.7	109
518	Inflammation: the link between comorbidities, genetics, and Alzheimer's disease. Journal of Neuroinflammation, 2018, 15, 276.	3.1	353
519	α1-antitrypsin mitigates NLRP3-inflammasome activation in amyloid β1–42-stimulated murine astrocytes. Journal of Neuroinflammation, 2018, 15, 282.	3.1	53
520	TREM2 — a key player in microglial biology and Alzheimer disease. Nature Reviews Neurology, 2018, 14, 667-675.	4.9	396
521	Association of nodâ€ike receptor proteinâ€3 single nucleotide gene polymorphisms and expression with the susceptibility to relapsing–remitting multiple sclerosis. International Journal of Immunogenetics, 2018, 45, 329-336.	0.8	29
522	Bushen-Yizhi Formula Alleviates Neuroinflammation via Inhibiting NLRP3 Inflammasome Activation in a Mouse Model of Parkinson's Disease. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-12.	0.5	18
523	Neuroinflammation in mouse models of Alzheimer's disease. Clinical and Experimental Neuroimmunology, 2018, 9, 211-218.	0.5	77
524	Caspases orchestrate microglia instrumental functions. Progress in Neurobiology, 2018, 171, 50-71.	2.8	27
525	Targeting of NLRP3 inflammasome with gene editing for the amelioration of inflammatory diseases. Nature Communications, 2018, 9, 4092.	5.8	142
526	NLRP3 Inflammasome-Related Proteins Are Upregulated in the Putamen of Patients With Multiple System Atrophy. Journal of Neuropathology and Experimental Neurology, 2018, 77, 1055-1065.	0.9	26
527	Peripheral immune system in aging and Alzheimer's disease. Molecular Neurodegeneration, 2018, 13, 51.	4.4	143
528	The identity and function of microglia in neurodegeneration. Nature Immunology, 2018, 19, 1048-1058.	7.0	241

#	Article	IF	Citations
529	Caspase-1 inhibition alleviates cognitive impairment and neuropathology in an Alzheimer's disease mouse model. Nature Communications, 2018, 9, 3916.	5.8	187
530	Enriched Physical Environment Attenuates Spatial and Social Memory Impairments of Aged Socially Isolated Mice. International Journal of Neuropsychopharmacology, 2018, 21, 1114-1127.	1.0	35
531	Inflammation: Bridging Age, Menopause and APOEÎμ4 Genotype to Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 312.	1.7	49
532	Targeting NLRP3 (Nucleotide-Binding Domain, Leucine-Rich–Containing Family, Pyrin) Tj ETQq1 1 0.784314 rgB7 Vascular Biology, 2018, 38, 2765-2779.	T /Overloch 1.1	k 10 Tf 50 48
533	Src-family kinase-Cbl axis negatively regulates NLRP3 inflammasome activation. Cell Death and Disease, 2018, 9, 1109.	2.7	26
534	The Early Events That Initiate β-Amyloid Aggregation in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 359.	1.7	85
535	The Meningeal Lymphatic System: A New Player in Neurophysiology. Neuron, 2018, 100, 375-388.	3.8	306
536	Effects of Quercetin Intervention on Cognition Function in APP/PS1 Mice was Affected by Vitamin D Status. Molecular Nutrition and Food Research, 2018, 62, e1800621.	1.5	41
537	Cull(atsm) Attenuates Neuroinflammation. Frontiers in Neuroscience, 2018, 12, 668.	1.4	26
538	Microglia in Alzheimer's Disease: A Role for Ion Channels. Frontiers in Neuroscience, 2018, 12, 676.	1.4	31
539	Early Life Stress and Epigenetics in Late-onset Alzheimer's Dementia: A Systematic Review. Current Genomics, 2018, 19, 522-602.	0.7	65
540	Cerebral autoinflammatory disease treated with anakinra. Annals of Clinical and Translational Neurology, 2018, 5, 1428-1433.	1.7	18
541	Unravelling the glial response in the pathogenesis of Alzheimer's disease. FASEB Journal, 2018, 32, 5766-5777.	0.2	30
542	Metabolic Syndrome, Brain Insulin Resistance, and Alzheimer's Disease: Thioredoxin Interacting Protein (TXNIP) and Inflammasome as Core Amplifiers. Journal of Alzheimer's Disease, 2018, 66, 857-885.	1.2	29
543	Inflammasome inhibition prevents $\hat{l}_{\pm}$ -synuclein pathology and dopaminergic neurodegeneration in mice. Science Translational Medicine, 2018, 10, .	5.8	493
544	Deletion of aquaporin-4 aggravates brain pathology after blocking of the meningeal lymphatic drainage. Brain Research Bulletin, 2018, 143, 83-96.	1.4	33
545	Bidirectional Microglia–Neuron Communication in Health and Disease. Frontiers in Cellular Neuroscience, 2018, 12, 323.	1.8	329
546	Inflammasome signalling in brain function and neurodegenerative disease. Nature Reviews Neuroscience, 2018, 19, 610-621.	4.9	514

#	Article	IF	CITATIONS
547	CCL17 exerts a neuroimmune modulatory function and is expressed in hippocampal neurons. Glia, 2018, 66, 2246-2261.	2.5	33
548	The Gut-Brain Axis in Alzheimer's Disease and Omega-3. A Critical Overview of Clinical Trials. Nutrients, 2018, 10, 1267.	1.7	62
549	Inflammasomes in CNS Diseases. Experientia Supplementum (2012), 2018, 108, 41-60.	0.5	31
550	Inhibiting Inflammasomes with Small Molecules. Experientia Supplementum (2012), 2018, 108, 343-400.	0.5	2
551	Inflammasomes in Clinical Practice: A Brief Introduction. Experientia Supplementum (2012), 2018, 108, 1-8.	0.5	3
552	Crocin, a natural product attenuates lipopolysaccharide-induced anxiety and depressive-like behaviors through suppressing NF-kB and NLRP3 signaling pathway. Brain Research Bulletin, 2018, 142, 352-359.	1.4	117
553	A Closer Look into the Role of Protein Tau in the Identification of Promising Therapeutic Targets for Alzheimer's Disease. Brain Sciences, 2018, 8, 162.	1.1	8
554	Mitochondria at the Base of Neuronal Innate Immunity in Alzheimer's and Parkinson's Diseases. , 2018, , .		1
555	Implications of Inflammasomes in Human Diseases: NLRP3 Inflammasome and Animal Models. Cornea, 2018, 37, S86-S90.	0.9	3
556	Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. Cell, 2018, 173, 1073-1081.	13.5	765
557	Chronic stress as a risk factor for Alzheimer's disease: Roles of microglia-mediated synaptic remodeling, inflammation, and oxidative stress. Neurobiology of Stress, 2018, 9, 9-21.	1.9	255
558	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. Nature Communications, 2018, 9, 2036.	5.8	152
559	The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. Cellular and Molecular Life Sciences, 2018, 75, 3099-3120.	2.4	24
560	The mitochondrial protease HtrA2 restricts the NLRP3 and AIM2 inflammasomes. Scientific Reports, 2018, 8, 8446.	1.6	19
561	Large supramolecular structures of 33-mer gliadin peptide activate toll-like receptors in macrophages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1417-1427.	1.7	29
562	Is Targeting the Inflammasome a Way Forward for Neuroscience Drug Discovery?. SLAS Discovery, 2018, 23, 991-1017.	1.4	17
563	Unconventional protein secretion $\hat{a} \in ``new insights into the pathogenesis and therapeutic targets of human diseases. Journal of Cell Science, 2018, 131, .$	1.2	81
564	A 3D human triculture system modeling neurodegeneration and neuroinflammation in Alzheimer's disease. Nature Neuroscience, 2018, 21, 941-951.	7.1	458

#	Article	IF	CITATIONS
565	Oridonin is a covalent NLRP3 inhibitor with strong anti-inflammasome activity. Nature Communications, 2018, 9, 2550.	5.8	448
566	Role of Inflammasomes in Neuroimmune and Neurodegenerative Diseases: A Systematic Review. Mediators of Inflammation, 2018, 2018, 1-11.	1.4	52
567	miR-200a Modulates the Expression of the DNA Repair Protein OGG1 Playing a Role in Aging of Primary Human Keratinocytes. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-17.	1.9	28
568	The Microglial Response to Neurodegenerative Disease. Advances in Immunology, 2018, 139, 1-50.	1.1	22
569	Death-associated protein kinase 1 mediates interleukin- $1\hat{l}^2$ production through regulating inlfammasome activation in Bv2 microglial cells and mice. Scientific Reports, 2018, 8, 9930.	1.6	13
570	The Role of Immunosenescence in Neurodegenerative Diseases. Mediators of Inflammation, 2018, 2018, 1-12.	1.4	91
571	Î <sup>2</sup> -Sheet Breaker Peptide-HPYD for the Treatment of Alzheimer's Disease: Primary Studies on Behavioral Test and Transcriptional Profiling. Frontiers in Pharmacology, 2018, 8, 969.	1.6	15
572	Scutellarin Suppresses NLRP3 Inflammasome Activation in Macrophages and Protects Mice against Bacterial Sepsis. Frontiers in Pharmacology, 2017, 8, 975.	1.6	75
573	MiR-223-3p overexpression inhibits cell proliferation and migration by regulating inflammation-associated cytokines in glioblastomas. Pathology Research and Practice, 2018, 214, 1330-1339.	1.0	43
574	GPCRs in NLRP3 Inflammasome Activation, Regulation, and Therapeutics. Trends in Pharmacological Sciences, 2018, 39, 798-811.	4.0	47
575	TREM2-Dependent Effects on Microglia in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 202.	1.7	60
576	SUMO-mediated regulation of NLRP3 modulates inflammasome activity. Nature Communications, 2018, 9, 3001.	5.8	134
577	Posttranslational Regulation of the NLR Family Pyrin Domain-Containing 3 Inflammasome. Frontiers in Immunology, 2018, 9, 1054.	2.2	67
578	RNA Editing and Retrotransposons in Neurology. Frontiers in Molecular Neuroscience, 2018, 11, 163.	1.4	22
579	Emerging Biosensing Technologies for Neuroinflammatory and Neurodegenerative Disease Diagnostics. Frontiers in Molecular Neuroscience, 2018, 11, 164.	1.4	25
580	Inhibiting the NLRP3 Inflammasome Activation with MCC950 Ameliorates Diabetic Encephalopathy in db/db Mice. Molecules, 2018, 23, 522.	1.7	79
581	Nitric Oxide Sensors for Biological Applications. Chemosensors, 2018, 6, 8.	1.8	31
582	Nootkatone, a neuroprotective agent from Alpiniae Oxyphyllae Fructus, improves cognitive impairment in lipopolysaccharide-induced mouse model of Alzheimer's disease. International Immunopharmacology, 2018, 62, 77-85.	1.7	65

#	Article	IF	CITATIONS
583	Is †friendly fire' in the brain provoking Alzheimer's disease?. Nature, 2018, 556, 426-428.	13.7	38
584	The TRPM2 channel nexus from oxidative damage to Alzheimer's pathologies: An emerging novel intervention target for age-related dementia. Ageing Research Reviews, 2018, 47, 67-79.	5.0	39
585	Inflammation and dementia: Using rheumatoid arthritis as a model to develop treatments?. Autoimmunity Reviews, 2018, 17, 919-925.	2.5	40
586	Targeting the NLRP3 inflammasome in inflammatory diseases. Nature Reviews Drug Discovery, 2018, 17, 588-606.	21.5	1,084
587	Neuroinflammation and Neuroimmunomodulation in Alzheimer's Disease. Current Pharmacology Reports, 2018, 4, 408-413.	1.5	0
588	Long Noncoding RNA SNHG1 Promotes Neuroinflammation in Parkinson's Disease via Regulating miR-7/NLRP3 Pathway. Neuroscience, 2018, 388, 118-127.	1.1	125
589	Evidence for the activation of pyroptotic and apoptotic pathways in RPE cells associated with NLRP3 inflammasome in the rodent eye. Journal of Neuroinflammation, 2018, 15, 15.	3.1	57
590	Unconjugated bilirubin induces pyroptosis in cultured rat cortical astrocytes. Journal of Neuroinflammation, 2018, 15, 23.	3.1	47
591	PM2.5 exposure aggravates oligomeric amyloid beta-induced neuronal injury and promotes NLRP3 inflammasome activation in an in vitro model of Alzheimer's disease. Journal of Neuroinflammation, 2018, 15, 132.	3.1	85
592	Soluble AÎ <sup>2</sup> 1-42 suppresses TNF-α and activates NLRP3 inflammasome in THP-1 macrophages. Cytokine, 2018, 111, 84-87.	1.4	5
593	Elongator mutation in mice induces neurodegeneration and ataxia-like behavior. Nature Communications, 2018, 9, 3195.	5.8	40
594	P2X7 as a scavenger receptor for innate phagocytosis in the brain. British Journal of Pharmacology, 2018, 175, 4195-4208.	2.7	50
595	PPARγ Deficiency Suppresses the Release of IL-1β and IL-1α in Macrophages via a Type 1 IFN–Dependent Mechanism. Journal of Immunology, 2018, 201, 2054-2069.	0.4	20
596	Preclinical Development of Crocus sativus-Based Botanical Lead IIIM-141 for Alzheimer's Disease: Chemical Standardization, Efficacy, Formulation Development, Pharmacokinetics, and Safety Pharmacology. ACS Omega, 2018, 3, 9572-9585.	1.6	26
597	NLRP3 expression in mesencephalic neurons and characterization of a rare NLRP3 polymorphism associated with decreased risk of Parkinson's disease. Npj Parkinson's Disease, 2018, 4, 24.	2.5	108
598	Nanomaterial-involved neural stem cell research: Disease treatment, cell labeling, and growth regulation. Biomedicine and Pharmacotherapy, 2018, 107, 583-597.	2.5	10
599	Suppression of Presymptomatic Oxidative Stress and Inflammation in Neurodegeneration by Grape-Derived Polyphenols. Frontiers in Pharmacology, 2018, 9, 867.	1.6	29
600	Tannic acid inhibits NLRP3 inflammasome-mediated IL- $1\hat{l}^2$ production via blocking NF- $\hat{l}^8$ B signaling in macrophages. Biochemical and Biophysical Research Communications, 2018, 503, 3078-3085.	1.0	25

#	Article	IF	Citations
601	Inflammasome-derived cytokine IL18 suppresses amyloid-induced seizures in Alzheimer-prone mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9002-9007.	3.3	41
602	Characterization and comparative analysis of a new mouse microglial cell model for studying neuroinflammatory mechanisms during neurotoxic insults. NeuroToxicology, 2018, 67, 129-140.	1.4	25
603	Contribution of early Alzheimer's diseaseâ€related pathophysiology to the development of acquired epilepsy. European Journal of Neuroscience, 2018, 47, 1534-1562.	1.2	14
604	Dihydromyricetin inhibits microglial activation and neuroinflammation by suppressing <scp>NLRP</scp> 3 inflammasome activation in <scp>APP</scp> / <scp>PS</scp> 1 transgenic mice. CNS Neuroscience and Therapeutics, 2018, 24, 1207-1218.	1.9	77
605	Structural Insights of Benzenesulfonamide Analogues as NLRP3 Inflammasome Inhibitors: Design, Synthesis, and Biological Characterization. Journal of Medicinal Chemistry, 2018, 61, 5412-5423.	2.9	89
606	Cannabinoid Receptor 2-Deficiency Ameliorates Disease Symptoms in a Mouse Model with Alzheimer's Disease-Like Pathology. Journal of Alzheimer's Disease, 2018, 64, 379-392.	1.2	37
607	Neuroinflammation, Type 2 Diabetes, and Dementia., 2018, , 195-209.		4
608	Acute transient cognitive dysfunction and acute brain injury induced by systemic inflammation occur by dissociable IL-1-dependent mechanisms. Molecular Psychiatry, 2019, 24, 1533-1548.	4.1	71
609	Principles of inflammasome priming and inhibition: Implications for psychiatric disorders. Brain, Behavior, and Immunity, 2018, 73, 66-84.	2.0	88
610	Acceleration of NLRP3 inflammasome by chronic cerebral hypoperfusion in Alzheimer's disease model mouse. Neuroscience Research, 2019, 143, 61-70.	1.0	21
611	The Involvement of NLRP3 on the Effects of Minocycline in an AD-Like Pathology Induced by $\hat{I}^2$ -Amyloid Oligomers Administered to Mice. Molecular Neurobiology, 2019, 56, 2606-2617.	1.9	31
612	MPTP-driven NLRP3 inflammasome activation in microglia plays a central role in dopaminergic neurodegeneration. Cell Death and Differentiation, 2019, 26, 213-228.	5.0	260
613	Caspase 1 activity influences juvenile Batten disease ( <scp>CLN</scp> 3) pathogenesis. Journal of Neurochemistry, 2019, 148, 652-668.	2.1	6
614	New role of P2X7 receptor in an Alzheimer's disease mouse model. Molecular Psychiatry, 2019, 24, 108-125.	4.1	118
615	Microglia in Neurodegenerative Disorders. Methods in Molecular Biology, 2019, 2034, 57-67.	0.4	39
616	The basis of cellular and regional vulnerability in Alzheimer's disease. Acta Neuropathologica, 2019, 138, 729-749.	3.9	73
617	Neuroinflammatory Processes, A1 Astrocyte Activation and Protein Aggregation in the Retina of Alzheimer's Disease Patients, Possible Biomarkers for Early Diagnosis. Frontiers in Neuroscience, 2019, 13, 925.	1.4	98
618	Overview of Mechanisms Underlying Neuroimmune Diseases. , 2019, , 3-62.		1

#	Article	IF	CITATIONS
619	Microglia. Methods in Molecular Biology, 2019, , .	0.4	1
620	Galectin-3 is required for the microglia-mediated brain inflammation in a model of Huntington's disease. Nature Communications, 2019, 10, 3473.	5.8	153
621	Physical Exercise Inhibits Inflammation and Microglial Activation. Cells, 2019, 8, 691.	1.8	132
622	Blocking Inflammasome Activation Caused by $\hat{l}^2$ -Amyloid Peptide ( $\hat{Al^2}$ ) and Islet Amyloid Polypeptide (IAPP) through an IAPP Mimic. ACS Chemical Neuroscience, 2019, 10, 3703-3717.	1.7	16
623	Choline Supplementation Ameliorates Behavioral Deficits and Alzheimer's Diseaseâ€Like Pathology in Transgenic <i>APP/PS1</i> Mice. Molecular Nutrition and Food Research, 2019, 63, e1801407.	1.5	31
624	AIM2 deletion promotes neuroplasticity and spatial memory of mice. Brain Research Bulletin, 2019, 152, 85-94.	1.4	23
625	Malva parviflora extract ameliorates the deleterious effects of a highÂfat diet on the cognitive deficit in a mouse model of Alzheimer's disease by restoring microglial function via a PPAR-γ-dependent mechanism. Journal of Neuroinflammation, 2019, 16, 143.	3.1	48
626	Modulation of Innate Immunity by Amyloidogenic Peptides. Trends in Immunology, 2019, 40, 762-780.	2.9	6
627	5xFAD Mice Display Sex-Dependent Inflammatory Gene Induction During the Prodromal Stage of Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 70, 1259-1274.	1.2	30
628	A 2A Râ€induced transcriptional deregulation in astrocytes: An in vitro study. Glia, 2019, 67, 2329-2342.	2.5	28
629	High-Density Lipoproteins Decrease Proinflammatory Activity and Modulate the Innate Immune Response. Journal of Interferon and Cytokine Research, 2019, 39, 760-770.	0.5	25
630	Systemic inflammation impairs microglial AÎ $^2$ clearance through $<$ scp $>$ NLRP $<$ /scp $>$ 3 inflammasome. EMBO Journal, 2019, 38, e101064.	3.5	226
631	Amentoflavone Affects Epileptogenesis and Exerts Neuroprotective Effects by Inhibiting NLRP3 Inflammasome. Frontiers in Pharmacology, 2019, 10, 856.	1.6	63
632	Circulatory miR-223-3p Discriminates Between Parkinson's and Alzheimer's Patients. Scientific Reports, 2019, 9, 9393.	1.6	35
633	Mangiferin: A multipotent natural product preventing neurodegeneration in Alzheimer's and Parkinson's disease models. Pharmacological Research, 2019, 146, 104336.	3.1	67
634	Obovatol inhibits NLRP3, AIM2, and non-canonical inflammasome activation. Phytomedicine, 2019, 63, 153019.	2.3	22
635	Neurodegenerative disorders and sterile inflammation: lessons from a Drosophila model. Journal of Biochemistry, 2019, 166, 213-221.	0.9	13
636	The Post-amyloid Era in Alzheimer's Disease: Trust Your Gut Feeling. Frontiers in Aging Neuroscience, 2019, 11, 143.	1.7	41

#	Article	IF	CITATIONS
637	Resveratrol Suppresses A $\hat{I}^2$ -Induced Microglial Activation Through the TXNIP/TRX/NLRP3 Signaling Pathway. DNA and Cell Biology, 2019, 38, 874-879.	0.9	63
638	Genetic variability in response to amyloid beta deposition influences Alzheimer's disease risk. Brain Communications, 2019, 1, fcz022.	1.5	67
639	Discovery of Second-Generation NLRP3 Inflammasome Inhibitors: Design, Synthesis, and Biological Characterization. Journal of Medicinal Chemistry, 2019, 62, 9718-9731.	2.9	37
640	Reformulating Pro-Oxidant Microglia in Neurodegeneration. Journal of Clinical Medicine, 2019, 8, 1719.	1.0	47
641	A novel ï¬,uorescent recombinant cell-based biosensor for screening NLRP3 inflammasome inhibitors. Sensors and Actuators B: Chemical, 2019, 301, 126864.	4.0	5
642	Robust Two-Dimensional Spatial-Variant Map-Drift Algorithm for UAV SAR Autofocusing. Remote Sensing, 2019, 11, 340.	1.8	25
643	Gut microbiota mediated allostasis prevents stress-induced neuroinflammatory risk factors of Alzheimer's disease. Progress in Molecular Biology and Translational Science, 2019, 168, 147-181.	0.9	21
644	Inflammasomeâ€mediated innate immunity in Alzheimer's disease. FASEB Journal, 2019, 33, 13075-13084.	0.2	55
645	<i>N</i> , <i>N</i> ′-Diacetyl- <i>p</i> -phenylenediamine restores microglial phagocytosis and improves cognitive defects in Alzheimer's disease transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23426-23436.	3.3	34
646	The potential role of necroptosis in inflammaging and aging. GeroScience, 2019, 41, 795-811.	2.1	81
647	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	1.6	766
648	Fascaplysin Derivatives Are Potent Multitarget Agents against Alzheimer's Disease: <i>in Vitro</i> and <i>in Vivo</i> Evidence. ACS Chemical Neuroscience, 2019, 10, 4741-4756.	1.7	34
649	Research on AC losses of racetrack superconducting coils applied to high-temperature superconducting motors. Superconductor Science and Technology, 2019, 32, 115010.	1.8	7
650	Entanglement of CCR5 and Alzheimer's Disease. Frontiers in Aging Neuroscience, 2019, 11, 209.	1.7	21
651	Supplementation with Nicotinamide Riboside Reduces Brain Inflammation and Improves Cognitive Function in Diabetic Mice. International Journal of Molecular Sciences, 2019, 20, 4196.	1.8	35
652	Extracellular Vesicles: A Possible Link between HIV and Alzheimer's Disease-Like Pathology in HIV Subjects?. Cells, 2019, 8, 968.	1.8	37
653	Specific Inhibition of the NLRP3 Inflammasome as an Antiinflammatory Strategy in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1381-1391.	2.5	74
654	Is Innate Memory a Double-Edge Sword in Alzheimer's Disease? A Reappraisal of New Concepts and Old Data. Frontiers in Immunology, 2019, 10, 1768.	2.2	20

#	Article	IF	CITATIONS
655	Astragaloside IV ameliorates motor deficits and dopaminergic neuron degeneration via inhibiting neuroinflammation and oxidative stress in a Parkinson's disease mouse model. International Immunopharmacology, 2019, 75, 105651.	1.7	59
656	In Vivo Phagocytosis Analysis of Amyloid Beta. Methods in Molecular Biology, 2019, 2034, 287-292.	0.4	10
657	Neurodegeneration and Neuro-Regeneration—Alzheimer's Disease and Stem Cell Therapy. International Journal of Molecular Sciences, 2019, 20, 4272.	1.8	78
658	Sodium oligomannate therapeutically remodels gut microbiota and suppresses gut bacterial amino acids-shaped neuroinflammation to inhibit Alzheimer's disease progression. Cell Research, 2019, 29, 787-803.	5.7	706
659	Immunology of the ageing kidney. Nature Reviews Nephrology, 2019, 15, 625-640.	4.1	73
660	Study protocol: ASCRIBED: the impact of Acute SystematiC inflammation upon cerebRospinal fluld and blood BiomarkErs of brain inflammation and injury in dementia: a study in acute hip fracture patients. BMC Neurology, 2019, 19, 223.	0.8	5
661	Microglial Drug Targets in AD: Opportunities and Challenges in Drug Discovery and Development. Frontiers in Pharmacology, 2019, 10, 840.	1.6	25
662	Inflammasomes: Threat-Assessment Organelles of the Innate Immune System. Immunity, 2019, 51, 609-624.	6.6	118
663	Neurosteroids as regulators of neuroinflammation. Frontiers in Neuroendocrinology, 2019, 55, 100788.	2.5	133
664	Roles of HSV-1 infection-induced microglial immune responses in CNS diseases: friends or foes?. Critical Reviews in Microbiology, 2019, 45, 581-594.	2.7	29
665	Microglia in Brain Development, Homeostasis, and Neurodegeneration. Annual Review of Genetics, 2019, 53, 263-288.	3.2	121
666	Upregulation of Thioredoxin-Interacting Protein in Brain of Amyloid- $\hat{l}^2$ Protein Precursor/Presenilin 1 Transgenic Mice and Amyloid- $\hat{l}^2$ Treated Neuronal Cells. Journal of Alzheimer's Disease, 2019, 72, 139-150.	1.2	28
667	Glutathione Transferase Omega-1 Regulates NLRP3 Inflammasome Activation through NEK7 Deglutathionylation. Cell Reports, 2019, 29, 151-161.e5.	2.9	58
668	Heat Shock Proteins and Inflammasomes. International Journal of Molecular Sciences, 2019, 20, 4508.	1.8	45
669	Pleiotropic Roles of P2X7 in the Central Nervous System. Frontiers in Cellular Neuroscience, 2019, 13, 401.	1.8	35
670	NLRP3 inflammasome in fibroblasts links tissue damage with inflammation in breast cancer progression and metastasis. Nature Communications, 2019, 10, 4375.	5.8	190
671	Alzheimer Disease: An Update on Pathobiology and Treatment Strategies. Cell, 2019, 179, 312-339.	13.5	1,675
672	Overexpressed CD39 mitigates sepsisâ€'induced kidney epithelial cell injury via suppressing the activation of NLR family pyrin domain containing 3. International Journal of Molecular Medicine, 2019, 44, 1707-1718.	1.8	10

#	Article	IF	Citations
673	Is Alzheimer's disease an inflammasomopathy?. Ageing Research Reviews, 2019, 56, 100966.	5.0	67
674	Microglia Biology: One Century of Evolving Concepts. Cell, 2019, 179, 292-311.	13.5	772
675	Stavudine Reduces NLRP3 Inflammasome Activation and Modulates Amyloid- $\hat{l}^2$ Autophagy. Journal of Alzheimer's Disease, 2019, 72, 401-412.	1.2	32
676	Ketone Administration for Seizure Disorders: History and Rationale for Ketone Esters and Metabolic Alternatives. Frontiers in Neuroscience, 2019, 13, 1041.	1.4	39
677	Exosomal miRNAs in central nervous system diseases: biomarkers, pathological mediators, protective factors and therapeutic agents. Progress in Neurobiology, 2019, 183, 101694.	2.8	127
678	Microglia in Alzheimer Disease: Well-Known Targets and New Opportunities. Frontiers in Aging Neuroscience, 2019, 11, 233.	1.7	228
679	PD-1/PD-L1 checkpoint blockade harnesses monocyte-derived macrophages to combat cognitive impairment in a tauopathy mouse model. Nature Communications, 2019, 10, 465.	5.8	112
680	Stressing out the mitochondria: Mechanistic insights into NLRP3 inflammasome activation. Journal of Leukocyte Biology, 2019, 105, 377-399.	1.5	75
681	Inhibition of LTP-Induced Translation by IL- $1\hat{1}^2$ Reduces the Level of Newly Synthesized Proteins in Hippocampal Dendrites. ACS Chemical Neuroscience, 2019, 10, 1197-1203.	1.7	10
682	Drug Development for Alzheimer's Disease: Microglia Induced Neuroinflammation as a Target?. International Journal of Molecular Sciences, 2019, 20, 558.	1.8	99
683	Inflammatory mechanisms in neurodegeneration. Journal of Neurochemistry, 2019, 149, 562-581.	2.1	85
684	Mitochondrial Stress-Initiated Aberrant Activation of the NLRP3 Inflammasome Regulates the Functional Deterioration of Hematopoietic Stem Cell Aging. Cell Reports, 2019, 26, 945-954.e4.	2.9	98
685	Biotechnological Applications of Polyhydroxyalkanoates. , 2019, , .		24
686	Baicalin mitigates cognitive impairment and protects neurons from microgliaâ€mediated neuroinflammation via suppressing <scp>NLRP</scp> 3 inflammasomes and <scp>TLR</scp> 4/ <scp>NF</scp> â€PB signaling pathway. CNS Neuroscience and Therapeutics, 2019, 25, 575-590.	1.9	213
687	Memory Enhancers. , 2019, , 171-205.		0
688	Aggregated Tau activates NLRP3–ASC inflammasome exacerbating exogenously seeded and non-exogenously seeded Tau pathology in vivo. Acta Neuropathologica, 2019, 137, 599-617.	3.9	259
689	Mitochondria: the indispensable players in innate immunity and guardians of the inflammatory response. Journal of Cell Communication and Signaling, 2019, 13, 303-318.	1.8	103
690	<p>Long-term icariin treatment ameliorates cognitive deficits via CD4<sup>+</sup> T cell-mediated immuno-inflammatory responses in APP/PS1 mice</p> . Clinical Interventions in Aging, 2019, Volume 14, 817-826.	1.3	21

#	Article	IF	Citations
691	Phytochemicals as Novel Therapeutic Strategies for NLRP3 Inflammasome-Related Neurological, Metabolic, and Inflammatory Diseases. International Journal of Molecular Sciences, 2019, 20, 2876.	1.8	67
692	Caspase-1 involves in bilirubin-induced injury of cultured rat cortical neurons. Pediatric Research, 2019, 86, 492-499.	1.1	5
693	Oleocanthal-Rich Extra-Virgin Olive Oil Restores the Blood–Brain Barrier Function through NLRP3 Inflammasome Inhibition Simultaneously with Autophagy Induction in TgSwDI Mice. ACS Chemical Neuroscience, 2019, 10, 3543-3554.	1.7	39
694	Upregulation of the NLRC4 inflammasome contributes to poor prognosis in glioma patients. Scientific Reports, 2019, 9, 7895.	1.6	23
695	TRPV1 mediates astrocyte activation and interleukin- $\hat{l}^2$ release induced by hypoxic ischemia (HI). Journal of Neuroinflammation, 2019, 16, 114.	3.1	57
696	NLRP3 Promotes Glioma Cell Proliferation and Invasion via the Interleukin-1β/NF-κB p65 Signals. Oncology Research, 2019, 27, 557-564.	0.6	29
697	The role of inflammasomes in kidney disease. Nature Reviews Nephrology, 2019, 15, 501-520.	4.1	196
698	Cytotoxic Curli Intermediates Form during Salmonella Biofilm Development. Journal of Bacteriology, 2019, 201, .	1.0	12
699	ABAD/ $17\hat{l}^2$ -HSD10 reduction contributes to the protective mechanism of huperzine a on the cerebral mitochondrial function in APP/PS1 mice. Neurobiology of Aging, 2019, 81, 77-87.	1.5	19
700	NLRP3 inflammasome and lipid metabolism analysis based on UPLC-Q-TOF-MS in gouty nephropathy. International Journal of Molecular Medicine, 2019, 44, 172-184.	1.8	15
701	FTY720 Inhibits MPP+-Induced Microglial Activation by Affecting NLRP3 Inflammasome Activation. Journal of NeuroImmune Pharmacology, 2019, 14, 478-492.	2.1	43
702	Silymarin's Inhibition and Treatment Effects for Alzheimer's Disease. Molecules, 2019, 24, 1748.	1.7	34
703	Neuregulin-1 Fosters Supportive Interactions between Microglia and Neural Stem/Progenitor Cells. Stem Cells International, 2019, 2019, 1-20.	1.2	9
704	The Role of Neuronal NLRP1 Inflammasome in Alzheimer's Disease: Bringing Neurons into the Neuroinflammation Game. Molecular Neurobiology, 2019, 56, 7741-7753.	1.9	78
705	Naringenin Produces Neuroprotection Against LPS-Induced Dopamine Neurotoxicity via the Inhibition of Microglial NLRP3 Inflammasome Activation. Frontiers in Immunology, 2019, 10, 936.	2.2	61
706	Microglia-mediated neuroinflammation in neurodegenerative diseases. Seminars in Cell and Developmental Biology, 2019, 94, 112-120.	2.3	472
707	Microglial mitophagy mitigates neuroinflammation in Alzheimer's disease. Neurochemistry International, 2019, 129, 104469.	1.9	72
708	Next Generation Precision Medicine: CRISPR-mediated Genome Editing for the Treatment of Neurodegenerative Disorders. Journal of Neurolmmune Pharmacology, 2019, 14, 608-641.	2.1	22

#	Article	IF	CITATIONS
709	Inflammasomes in neuroinflammatory and neurodegenerative diseases. EMBO Molecular Medicine, 2019, $11$ , .	3.3	457
710	Icariin Attenuates M1 Activation of Microglia and Aβ Plaque Accumulation in the Hippocampus and Prefrontal Cortex by Up-Regulating PPARγ in Restraint/Isolation-Stressed APP/PS1 Mice. Frontiers in Neuroscience, 2019, 13, 291.	1.4	34
711	Neurochemical Aspects of Alzheimer's Type of Dementia. , 2019, , 73-112.		1
712	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimer's disease. Acta Neuropathologica, 2019, 138, 251-273.	3.9	187
713	Natural products as a potential modulator of microglial polarization in neurodegenerative diseases. Pharmacological Research, 2019, 145, 104253.	3.1	71
714	Treadmill Exercise Decreases $\hat{A}^2$ Deposition and Counteracts Cognitive Decline in APP/PS1 Mice, Possibly via Hippocampal Microglia Modifications. Frontiers in Aging Neuroscience, 2019, 11, 78.	1.7	66
715	Microglia responses to interleukinâ€6 and type I interferons in neuroinflammatory disease. Glia, 2019, 67, 1821-1841.	2.5	63
716	Clinical and Pathological Benefit of Twendee X in Alzheimer's Disease Transgenic Mice with Chronic Cerebral Hypoperfusion. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 1993-2002.	0.7	17
717	Fyn kinase regulates misfolded $\hat{l}_{\pm}$ -synuclein uptake and NLRP3 inflammasome activation in microglia. Journal of Experimental Medicine, 2019, 216, 1411-1430.	4.2	169
718	Exosome-like Nanoparticles from Ginger Rhizomes Inhibited NLRP3 Inflammasome Activation. Molecular Pharmaceutics, 2019, 16, 2690-2699.	2.3	127
719	Interleukin-1 and Related Cytokines in the Regulation of Inflammation and Immunity. Immunity, 2019, 50, 778-795.	6.6	639
720	Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.	1.7	45
721	Chrysanthemum indicum extract inhibits NLRP3 and AIM2 inflammasome activation via regulating ASC phosphorylation. Journal of Ethnopharmacology, 2019, 239, 111917.	2.0	23
722	Harnessing Immunoproteostasis to Treat Neurodegenerative Disorders. Neuron, 2019, 101, 1003-1015.	3.8	29
723	An AIE-active theranostic probe for light-up detection of $A\hat{l}^2$ aggregates and protection of neuronal cells. Journal of Materials Chemistry B, 2019, 7, 2434-2441.	2.9	36
724	Liraglutide and its Neuroprotective Propertiesâ€"Focus on Possible Biochemical Mechanisms in Alzheimer's Disease and Cerebral Ischemic Events. International Journal of Molecular Sciences, 2019, 20, 1050.	1.8	50
725	Pretreatment with a Heat-Killed Probiotic Modulates the NLRP3 Inflammasome and Attenuates Colitis-Associated Colorectal Cancer in Mice. Nutrients, 2019, 11, 516.	1.7	73
726	Interplay between Mitophagy and Inflammasomes in Neurological Disorders. ACS Chemical Neuroscience, 2019, 10, 2195-2208.	1.7	19

#	Article	IF	CITATIONS
727	Soluble TREM2 ameliorates pathological phenotypes by modulating microglial functions in an Alzheimer's disease model. Nature Communications, 2019, 10, 1365.	5.8	217
728	Neurexin 3 transmembrane and soluble isoform expression and splicing haplotype are associated with neuron inflammasome and Alzheimer's disease. Alzheimer's Research and Therapy, 2019, 11, 28.	3.0	27
729	TRPM2 Channel in Microglia as a New Player in Neuroinflammation Associated With a Spectrum of Central Nervous System Pathologies. Frontiers in Pharmacology, 2019, 10, 239.	1.6	39
730	Shared genes between Alzheimer's disease and ischemic stroke. CNS Neuroscience and Therapeutics, 2019, 25, 855-864.	1.9	36
731	Herpes Simplex Virus Type 1 Infection of the Central Nervous System: Insights Into Proposed Interrelationships With Neurodegenerative Disorders. Frontiers in Cellular Neuroscience, 2019, 13, 46.	1.8	104
732	Activation of microglia and astrocytes: a roadway to neuroinflammation and Alzheimer's disease. Inflammopharmacology, 2019, 27, 663-677.	1.9	276
733	The Potential Role of the NLRP3 Inflammasome Activation as a Link Between Mitochondria ROS Generation and Neuroinflammation in Postoperative Cognitive Dysfunction. Frontiers in Cellular Neuroscience, 2019, 13, 73.	1.8	101
734	Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.	3.1	125
735	A novel small molecular NLRP3 inflammasome inhibitor alleviates neuroinflammatory response following traumatic brain injury. Journal of Neuroinflammation, 2019, 16, 81.	3.1	127
736	Choline Uptake and Metabolism Modulate Macrophage IL- $\hat{l}^2$ and IL-18 Production. Cell Metabolism, 2019, 29, 1350-1362.e7.	7.2	140
737	Microglia in Alzheimer's disease: A target for immunotherapy. Journal of Leukocyte Biology, 2019, 106, 219-227.	1.5	78
738	Assessing the role of <i>Porphyromonas gingivalis</i> in periodontitis to determine a causative relationship with Alzheimer's disease. Journal of Oral Microbiology, 2019, 11, 1563405.	1.2	111
739	Mitophagy inhibits amyloid-β and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. Nature Neuroscience, 2019, 22, 401-412.	7.1	1,008
740	Microglial inflammation and phagocytosis in Alzheimer's disease: Potential therapeutic targets. British Journal of Pharmacology, 2019, 176, 3515-3532.	2.7	85
741	Thioredoxin-Interacting Protein (TXNIP) Associated NLRP3 Inflammasome Activation in Human Alzheimer's Disease Brain. Journal of Alzheimer's Disease, 2019, 68, 255-265.	1.2	77
742	Modeling caspase-1 inhibition: Implications for catalytic mechanism and drug design. European Journal of Medicinal Chemistry, 2019, 169, 159-167.	2.6	8
743	Lipid-Activated Nuclear Receptors. Methods in Molecular Biology, 2019, , .	0.4	0
744	The LPS/D-Galactosamine-Induced Fulminant Hepatitis Model to Assess the Role of Ligand-Activated Nuclear Receptors on the NLRP3 Inflammasome Pathway In Vivo. Methods in Molecular Biology, 2019, 1951, 189-207.	0.4	7

#	ARTICLE	IF	CITATIONS
745	Priming Microglia for Innate Immune Memory in the Brain. Trends in Immunology, 2019, 40, 358-374.	2.9	145
746	Mast Cells in Stress, Pain, Blood-Brain Barrier, Neuroinflammation and Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2019, 13, 54.	1.8	85
747	Endoplasmic reticulum stress and NLRP3 inflammasome: Crosstalk in cardiovascular and metabolic disorders. Journal of Cellular Physiology, 2019, 234, 14773-14782.	2.0	30
748	Regulation of autophagy as a therapy for immunosenescenceâ€driven cancer and neurodegenerative diseases: The role of exercise. Journal of Cellular Physiology, 2019, 234, 14883-14895.	2.0	20
749	Genetic Risk Factors for Alzheimer Disease: Emerging Roles of Microglia in Disease Pathomechanisms. Advances in Experimental Medicine and Biology, 2019, 1118, 83-116.	0.8	34
750	Inhibition of Bruton's Tyrosine Kinase Modulates Microglial Phagocytosis: Therapeutic Implications for Alzheimer's Disease. Journal of NeuroImmune Pharmacology, 2019, 14, 448-461.	2.1	53
751	$\hat{I}^3$ -Secretase and its modulators: Twenty years and beyond. Neuroscience Letters, 2019, 701, 162-169.	1.0	46
752	Interaction between autophagy and the NLRP3 inflammasome. Acta Biochimica Et Biophysica Sinica, 2019, 51, 1087-1095.	0.9	64
753	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
754	NLRP3 inflammasome activation drives tau pathology. Nature, 2019, 575, 669-673.	13.7	782
755	Eicosapentaenoic Acid-Enriched Phosphatidylcholine Mitigated A $\hat{l}^2$ 1-42-Induced Neurotoxicity via Autophagy-Inflammasome Pathway. Journal of Agricultural and Food Chemistry, 2019, 67, 13767-13774.	2.4	27
756	Dysfunctional Mitochondria and Mitophagy as Drivers of Alzheimer's Disease Pathogenesis. Frontiers in Aging Neuroscience, 2019, 11, 311.	1.7	130
757	Neuroimmune interactions in Alzheimer's diseaseâ€"New frontier with old challenges?. Progress in Molecular Biology and Translational Science, 2019, 168, 183-201.	0.9	12
758	Update of inflammasome activation in microglia/macrophage in aging and agingâ€related disease. CNS Neuroscience and Therapeutics, 2019, 25, 1299-1307.	1.9	41
759	Methylene blue inhibits Caspase-6 activity, and reverses Caspase-6-induced cognitive impairment and neuroinflammation in aged mice. Acta Neuropathologica Communications, 2019, 7, 210.	2.4	25
760	Vitamin D Receptor Inhibits NLRP3 Activation by Impeding Its BRCC3-Mediated Deubiquitination. Frontiers in Immunology, 2019, 10, 2783.	2.2	73
761	EGb 761 inhibits Aβ1–42-induced neuroinflammatory response by suppressing P38 MAPK signaling pathway in BV-2 microglial cells. NeuroReport, 2019, 30, 434-440.	0.6	14
762	Friend, Foe or Both? Immune Activity in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2019, 11, 337.	1.7	63

#	Article	IF	CITATIONS
763	URB597 protects against NLRP3 inflammasome activation by inhibiting autophagy dysfunction in a rat model of chronic cerebral hypoperfusion. Journal of Neuroinflammation, 2019, 16, 260.	3.1	74
764	The NLRP3 inflammasome: a new player in neurological diseases. Turkish Journal of Biology, 2019, 43, 349-359.	2.1	31
765	Targeting Neuroinflammation as a Therapeutic Strategy for Alzheimer's Disease: Mechanisms, Drug Candidates, and New Opportunities. ACS Chemical Neuroscience, 2019, 10, 872-879.	1.7	90
766	2′,3′-Dideoxycytidine, a DNA Polymerase-β Inhibitor, Reverses Memory Deficits in a Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 67, 515-525.	1.2	13
767	Niclosamide activates the NLRP3 inflammasome by intracellular acidification and mitochondrial inhibition. Communications Biology, 2019, 2, 2.	2.0	21
768	Spatial Training Ameliorates Long-Term Alzheimer's Disease-Like Pathological Deficits by Reducing NLRP3 Inflammasomes in PR5 Mice. Neurotherapeutics, 2019, 16, 450-464.	2.1	14
769	Involvement of NLRP3 inflammasome in methamphetamine-induced microglial activation through miR-143/PUMA axis. Toxicology Letters, 2019, 301, 53-63.	0.4	25
770	The NLRP3 inflammasome is involved in the neuroprotective mechanism of neural stem cells against microglia-mediated toxicity in SH-SY5Y cells via the attenuation of tau hyperphosphorylation and amyloidogenesis. NeuroToxicology, 2019, 70, 91-98.	1.4	22
771	RORÎ <sup>3</sup> regulates the NLRP3 inflammasome. Journal of Biological Chemistry, 2019, 294, 10-19.	1.6	26
772	Neuroimmune nexus of depression and dementia: Shared mechanisms and therapeutic targets. British Journal of Pharmacology, 2019, 176, 3558-3584.	2.7	17
773	Beclin1â€driven autophagy modulates the inflammatory response of microglia via <scp>NLRP</scp> 3. EMBO Journal, 2019, 38, .	3.5	161
774	Innate Immune Stimulation in Cancer Therapy. Hematology/Oncology Clinics of North America, 2019, 33, 215-231.	0.9	8
775	Programmed Necrosis and Disease:We interrupt your regular programming to bring you necroinflammation. Cell Death and Differentiation, 2019, 26, 25-40.	5.0	106
776	Pathogen-Induced Hormetic Responses. , 2019, , 161-170.		1
777	Fastigial nucleus stimulation ameliorates cognitive impairment via modulating autophagy and inflammasomes activation in a rat model of vascular dementia. Journal of Cellular Biochemistry, 2019, 120, 5108-5117.	1.2	13
778	Ancient herbal component may be a novel therapeutic for gouty arthritis. Journal of Leukocyte Biology, 2019, 105, 7-9.	1.5	6
779	Role and mechanism of the nod-like receptor family pyrin domain-containing 3 inflammasome in oral disease. Archives of Oral Biology, 2019, 97, 1-11.	0.8	9
780	NLRP3/Caspase-1 Pathway-Induced Pyroptosis Mediated Cognitive Deficits in a Mouse Model of Sepsis-Associated Encephalopathy. Inflammation, 2019, 42, 306-318.	1.7	145

#	ARTICLE	IF	CITATIONS
781	Chronic Amyloid $\hat{l}^2$ Oligomer Infusion Evokes Sustained Inflammation and Microglial Changes in the Rat Hippocampus via NLRP3. Neuroscience, 2019, 405, 35-46.	1.1	26
782	Dl-3-n-Butylphthalide Inhibits NLRP3 Inflammasome and Mitigates Alzheimer's-Like Pathology <i>via</i> Nrf2-TXNIP-TrX Axis. Antioxidants and Redox Signaling, 2019, 30, 1411-1431.	2.5	139
783	TNFÎ $\pm$ and IL-1Î $^2$ but not IL-18 Suppresses Hippocampal Long-Term Potentiation Directly at the Synapse. Neurochemical Research, 2019, 44, 49-60.	1.6	60
784	MicroRNAs as important regulators of the NLRP3 inflammasome. Progress in Biophysics and Molecular Biology, 2020, 150, 50-61.	1.4	46
785	Mitochondria at the interface between neurodegeneration and neuroinflammation. Seminars in Cell and Developmental Biology, 2020, 99, 163-171.	2.3	74
786	LncRNA H19 initiates microglial pyroptosis and neuronal death in retinal ischemia/reperfusion injury. Cell Death and Differentiation, 2020, 27, 176-191.	5.0	160
787	Microglial phagocytosis in aging and Alzheimer's disease. Journal of Neuroscience Research, 2020, 98, 284-298.	1.3	79
788	Activation of PPARA-mediated autophagy reduces Alzheimer disease-like pathology and cognitive decline in a murine model. Autophagy, 2020, 16, 52-69.	4.3	193
789	Functional crosstalk between nonâ€canonical caspaseâ€11 and canonical NLRP3 inflammasomes during infectionâ€mediated inflammation. Immunology, 2020, 159, 142-155.	2.0	50
790	NLRP3-dependent pyroptosis is required for HIV-1 gp120-induced neuropathology. Cellular and Molecular Immunology, 2020, 17, 283-299.	4.8	78
791	Apelin/APJ system: A novel promising target for neurodegenerative diseases. Journal of Cellular Physiology, 2020, 235, 638-657.	2.0	32
792	Cell Death and Neurodegeneration. Cold Spring Harbor Perspectives in Biology, 2020, 12, a036434.	2.3	60
793	Involvement of NLRC4 inflammasome through caspase-1 and IL- $\hat{l}^2$ augments neuroinflammation and contributes to memory impairment in an experimental model of Alzheimer's like disease. Brain Research Bulletin, 2020, 154, 81-90.	1.4	28
794	Iron potentiates microglial interleukinâ $\in$ 1 $\hat{i}^2$ secretion induced by amyloidâ $\in$ 1 $\hat{i}^2$ . Journal of Neurochemistry, 2020, 154, 177-189.	2.1	27
795	Targeting the NLRP3 Inflammasome in Neuroinflammation: Health Promoting Effects of Dietary Phytochemicals in Neurological Disorders. Molecular Nutrition and Food Research, 2020, 64, e1900550.	1.5	27
796	Edaravone Administration Confers Neuroprotection after Experimental Intracerebral Hemorrhage in Rats via NLRP3 Suppression. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104468.	0.7	28
797	Development of small molecule inhibitors targeting NLRP3 inflammasome pathway for inflammatory diseases. European Journal of Medicinal Chemistry, 2020, 185, 111822.	2.6	90
798	Extracellular ADP augments microglial inflammasome and NFâ€PB activation via the P2Y12 receptor. European Journal of Immunology, 2020, 50, 205-219.	1.6	38

#	Article	IF	CITATIONS
799	NG2 glia are required for maintaining microglia homeostatic state. Glia, 2020, 68, 345-355.	2.5	52
800	The microglial NLRP3 inflammasome is activated by amyotrophic lateral sclerosis proteins. Glia, 2020, 68, 407-421.	2.5	133
801	The role of innate immune responses and neuroinflammation in amyloid accumulation and progression of Alzheimer's disease. Immunology and Cell Biology, 2020, 98, 28-41.	1.0	231
802	Novel preventive mechanisms of vitamin B6 against inflammation, inflammasome, and chronic diseases. , 2020, , 283-299.		9
803	Control of Inflammation by Calorie Restriction Mimetics: On the Crossroad of Autophagy and Mitochondria. Cells, 2020, 9, 82.	1.8	62
804	Recent Progress in Autocatalytic Ceria Nanoparticles-Based Translational Research on Brain Diseases. ACS Applied Nano Materials, 2020, 3, 1043-1062.	2.4	27
805	Increased inflammation in BA21 brain tissue from African Americans with Alzheimer's disease. Metabolic Brain Disease, 2020, 35, 121-133.	1.4	9
806	Interaction between hyperphosphorylated tau and pyroptosis in forskolin and streptozotocin induced AD models. Biomedicine and Pharmacotherapy, 2020, 121, 109618.	2.5	27
807	Picrorhiza kurroa Prevents Memory Deficits by Inhibiting NLRP3 Inflammasome Activation and BACE1 Expression in 5xFAD Mice. Neurotherapeutics, 2020, 17, 189-199.	2.1	30
808	Mechanisms of action of amyloid-beta and its precursor protein in neuronal cell death. Metabolic Brain Disease, 2020, 35, 11-30.	1.4	54
809	Fiery Cell Death: Pyroptosis in the Central Nervous System. Trends in Neurosciences, 2020, 43, 55-73.	4.2	205
810	Inhibition of Amyloid-Beta Production, Associated Neuroinflammation, and Histone Deacetylase 2-Mediated Epigenetic Modifications Prevent Neuropathology in Alzheimer's Disease in vitro Model. Frontiers in Aging Neuroscience, 2019, 11, 342.	1.7	31
811	Vascular Risk Factors and Alzheimer's Disease: Blood-Brain Barrier Disruption, Metabolic Syndromes, and Molecular Links. Journal of Alzheimer's Disease, 2020, 73, 39-58.	1.2	42
812	The HDAC3 inhibitor RGFP966 ameliorated ischemic brain damage by downregulating the AIM2 inflammasome. FASEB Journal, 2020, 34, 648-662.	0.2	56
813	Soluble ${\rm A\hat{l}^2}$ oligomers and protofibrils induce NLRP3 inflammasome activation in microglia. Journal of Neurochemistry, 2020, 155, 650-661.	2.1	91
814	Cyclophosphamide-induced cystitis results in NLRP3-mediated inflammation in the hippocampus and symptoms of depression in rats. American Journal of Physiology - Renal Physiology, 2020, 318, F354-F362.	1.3	19
815	The Protective Effects of Up-Regulating Prostacyclin Biosynthesis on Neuron Survival in Hippocampus. Journal of NeuroImmune Pharmacology, 2020, 15, 292-308.	2.1	1
816	Positron Emission Tomography in the Inflamed Cerebellum: Addressing Novel Targets among G Protein-Coupled Receptors and Immune Receptors. Pharmaceutics, 2020, 12, 925.	2.0	2

#	Article	IF	CITATIONS
817	NLRP3-dependent microglial training impaired the clearance of amyloid-beta and aggravated the cognitive decline in Alzheimer's disease. Cell Death and Disease, 2020, 11, 849.	2.7	38
818	The Dichotomous Role of Inflammation in the CNS: A Mitochondrial Point of View. Biomolecules, 2020, 10, 1437.	1.8	20
819	Microglia in Alzheimer's Disease in the Context of Tau Pathology. Biomolecules, 2020, 10, 1439.	1.8	56
820	14,15-Epoxyeicosatrienoic Acid Alleviates Pathology in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2020, 40, 8188-8203.	1.7	25
821	NLRP3 Is Involved in the Maintenance of Cerebral Pericytes. Frontiers in Cellular Neuroscience, 2020, 14, 276.	1.8	6
822	Metabolic Dysregulation Contributes to the Progression of Alzheimer's Disease. Frontiers in Neuroscience, 2020, 14, 530219.	1.4	94
823	The ligand-gated ion channel P2X7 receptor mediates NLRP3/caspase-1-mediated pyroptosis in cerebral cortical neurons of juvenile rats with sepsis. Brain Research, 2020, 1748, 147109.	1,1	18
824	NLRP3 inflammasome inhibition with MCC950 improves insulin sensitivity and inflammation in a mouse model of frontotemporal dementia. Neuropharmacology, 2020, 180, 108305.	2.0	19
825	The critical role of the hippocampal NLRP3 inflammasome in social isolation-induced cognitive impairment in male mice. Neurobiology of Learning and Memory, 2020, 175, 107301.	1.0	24
826	Mechanisms of NLRP3 priming in inflammaging and age related diseases. Cytokine and Growth Factor Reviews, 2020, 55, 15-25.	3.2	66
827	Immunomodulatory Effects of Diterpenes and Their Derivatives Through NLRP3 Inflammasome Pathway: A Review. Frontiers in Immunology, 2020, 11, 572136.	2.2	32
828	Microglial Immunometabolism in Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2020, 14, 563446.	1.8	27
829	Proteostasis Disturbances and Inflammation in Neurodegenerative Diseases. Cells, 2020, 9, 2183.	1.8	26
830	The involvement of NLRP3 inflammasome in the treatment of Alzheimer's disease. Ageing Research Reviews, 2020, 64, 101192.	5.0	107
831	Modeling the Interaction between the Microenvironment and Tumor Cells in Brain Tumors. Neuron, 2020, 108, 1025-1044.	3.8	31
832	Anti-inflammatories in Alzheimer's diseaseâ€"potential therapy or spurious correlate?. Brain Communications, 2020, 2, fcaa109.	1.5	52
833	Cbl Negatively Regulates NLRP3 Inflammasome Activation through GLUT1-Dependent Glycolysis Inhibition. International Journal of Molecular Sciences, 2020, 21, 5104.	1.8	14
834	The microbiome and cytosolic innate immune receptors. Immunological Reviews, 2020, 297, 207-224.	2.8	32

#	Article	IF	Citations
835	Nutraceutical Compounds Targeting Inflammasomes in Human Diseases. International Journal of Molecular Sciences, 2020, 21, 4829.	1.8	18
836	Posttreatment of Maresin1 Inhibits NLRP3 inflammasome activation via promotion of NLRP3 ubiquitination. FASEB Journal, 2020, 34, 11944-11956.	0.2	16
837	Inflammasomes and Cell Death: Common Pathways in Microparticle Diseases. Trends in Molecular Medicine, 2020, 26, 1003-1020.	3.5	36
838	Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 40.	4.4	438
839	Slc6a3-dependent expression of a CAPS-associated Nlrp3 allele results in progressive behavioral abnormalities and neuroinflammation in aging mice. Journal of Neuroinflammation, 2020, 17, 213.	3.1	10
840	Scutellarin Ameliorates Renal Injury via Increasing CCN1 Expression and Suppressing NLRP3 Inflammasome Activation in Hyperuricemic Mice. Frontiers in Pharmacology, 2020, 11, 584942.	1.6	19
841	Tau Pathology Drives Dementia Risk-Associated Gene Networks toward Chronic Inflammatory States and Immunosuppression. Cell Reports, 2020, 33, 108398.	2.9	57
842	Can We Treat Neuroinflammation in Alzheimer's Disease?. International Journal of Molecular Sciences, 2020, 21, 8751.	1.8	43
843	Therapeutic Strategies to Target Calcium Dysregulation in Alzheimer's Disease. Cells, 2020, 9, 2513.	1.8	22
844	The good, the bad, and the opportunities of the complement system in neurodegenerative disease. Journal of Neuroinflammation, 2020, 17, 354.	3.1	133
845	Lipopolysaccharide Recognition in the Crossroads of TLR4 and Caspase-4/11 Mediated Inflammatory Pathways. Frontiers in Immunology, 2020, 11, 585146.	2.2	94
846	Modulation of β-Amyloid Fibril Formation in Alzheimer's Disease by Microglia and Infection. Frontiers in Molecular Neuroscience, 2020, 13, 609073.	1.4	35
847	Effects of Oat Fiber Intervention on Cognitive Behavior in LDLR <sup>â€"/â€"</sup> Mice Modeling Atherosclerosis by Targeting the Microbiomeâ€"Gutâ€"Brain Axis. Journal of Agricultural and Food Chemistry, 2020, 68, 14480-14491.	2.4	24
848	Furosemide as a Probe Molecule for the Treatment of Neuroinflammation in Alzheimer's Disease. ACS Chemical Neuroscience, 2020, 11, 4152-4168.	1.7	21
849	An allosteric interleukin-1 receptor modulator mitigates inflammation and photoreceptor toxicity in a model of retinal degeneration. Journal of Neuroinflammation, 2020, 17, 359.	3.1	10
850	The NLRP3 inflammasome inhibitor OLT1177 rescues cognitive impairment in a mouse model of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32145-32154.	3.3	150
851	Oligodendroglial glycolytic stress triggers inflammasome activation and neuropathology in Alzheimer $\hat{a} \in \mathbb{T}^M$ s disease. Science Advances, 2020, 6, .	4.7	79
852	Danger-Sensing/Patten Recognition Receptors and Neuroinflammation in Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 9036.	1.8	30

#	Article	IF	CITATIONS
853	Molecular Level Insight Into the Benefit of Myricetin and Dihydromyricetin Uptake in Patients With Alzheimer's Diseases. Frontiers in Aging Neuroscience, 2020, 12, 601603.	1.7	29
854	Interleukinâ€12/23 deficiency differentially affects pathology in male and female Alzheimer's diseaseâ€ike mice. EMBO Reports, 2020, 21, e48530.	2.0	24
855	Aquilariae Lignum Methylene Chloride Fraction Attenuates IL- $\hat{l}^2$ -Driven Neuroinflammation in BV2 Microglial Cells. International Journal of Molecular Sciences, 2020, 21, 5465.	1.8	8
856	Selective inhibition of NLRP3 inflammasome by designed peptide originating from ASC. FASEB Journal, 2020, 34, 11068-11086.	0.2	13
857	Therapeutic modulation of inflammasome pathways. Immunological Reviews, 2020, 297, 123-138.	2.8	135
858	The Immunomodulatory Metabolite Itaconate Modifies NLRP3 and Inhibits Inflammasome Activation. Cell Metabolism, 2020, 32, 468-478.e7.	7.2	283
859	Recent advances in the NEK7-licensed NLRP3 inflammasome activation: Mechanisms, role in diseases and related inhibitors. Journal of Autoimmunity, 2020, 113, 102515.	3.0	48
860	Key Mechanisms and Potential Targets of the NLRP3 Inflammasome in Neurodegenerative Diseases. Frontiers in Integrative Neuroscience, 2020, 14, 37.	1.0	48
861	Tranilast Directly Targets NLRP3 to Protect Melanocytes From Keratinocyte-Derived IL-1Î <sup>2</sup> Under Oxidative Stress. Frontiers in Cell and Developmental Biology, 2020, 8, 588.	1.8	22
862	mRNA profiling reveals the potential mechanism of TIPE2 in attenuating cognitive deficits in APP/PS1 mice. International Immunopharmacology, 2020, 87, 106792.	1.7	6
863	Circadian Control of Inflammasome Pathways: Implications for Circadian Medicine. Frontiers in Immunology, 2020, 11, 1630.	2.2	45
864	Microglia and astrocyte dysfunction in parkinson's disease. Neurobiology of Disease, 2020, 144, 105028.	2.1	177
865	Ursolic acid protects chondrocytes, exhibits anti-inflammatory properties via regulation of the NF- $\hat{\mathbb{P}}$ B/NLRP3 inflammasome pathway and ameliorates osteoarthritis. Biomedicine and Pharmacotherapy, 2020, 130, 110568.	2.5	48
866	Beta-amyloid activates NLRP3 inflammasome via TLR4 in mouse microglia. Neuroscience Letters, 2020, 736, 135279.	1.0	84
867	Magnolol Ameliorates Behavioral Impairments and Neuropathology in a Transgenic Mouse Model of Alzheimer's Disease. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-17.	1.9	25
868	Vagus Nerve Stimulation Attenuates Early Traumatic Brain Injury by Regulating the NF-κB/NLRP3 Signaling Pathway. Neurorehabilitation and Neural Repair, 2020, 34, 831-843.	1.4	30
869	NLRP3 Inflammasomes in Parkinson's disease and their Regulation by Parkin. Neuroscience, 2020, 446, 323-334.	1.1	48
870	Selective inhibition of the K <sup>+</sup> efflux sensitive NLRP3 pathway by Cl <sup>â^'</sup> channel modulation. Chemical Science, 2020, 11, 11720-11728.	3.7	9

#	Article	IF	CITATIONS
871	Proton-driven transformable nanovaccine for cancer immunotherapy. Nature Nanotechnology, 2020, 15, 1053-1064.	15.6	194
872	NLRP3 inflammasome mediates 2,5-hexanedione-induced neurotoxicity through regulation of macrophage infiltration in rats. Chemico-Biological Interactions, 2020, 330, 109232.	1.7	7
873	Downregulation of ROCK2 attenuates alcohol-induced inflammation and oxidative stress in astrocytes. International Journal of Neuroscience, 2022, 132, 521-530.	0.8	4
874	Klotho overexpression improves amyloid $\hat{\mathbf{a}} \in \hat{\mathbf{i}}^2$ clearance and cognition in the APP/PS1 mouse model of Alzheimer's disease. Aging Cell, 2020, 19, e13239.	3.0	51
875	β-Hydroxybutyrate inhibits inflammasome activation to attenuate Alzheimer's disease pathology. Journal of Neuroinflammation, 2020, 17, 280.	3.1	117
876	The Role of Microglia and the Nlrp3 Inflammasome in Alzheimer's Disease. Frontiers in Neurology, 2020, 11, 570711.	1.1	120
877	Discovery of a series of ester-substituted NLRP3 inflammasome inhibitors. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127560.	1.0	18
878	The NLRP3 inflammasome: Mechanism of action, role in disease and therapies. Molecular Aspects of Medicine, 2020, 76, 100889.	2.7	195
879	Increases of iASPP-Keap1 interaction mediated by syringin enhance synaptic plasticity and rescue cognitive impairments via stabilizing Nrf2 in Alzheimer's models. Redox Biology, 2020, 36, 101672.	3.9	24
880	Blood biomarkers indicate that the preclinical stages of Alzheimer's disease present overlapping molecular features. Scientific Reports, 2020, 10, 15612.	1.6	23
881	Environmental Nanoparticles, SARS-CoV-2 Brain Involvement, and Potential Acceleration of Alzheimer's and Parkinson's Diseases in Young Urbanites Exposed to Air Pollution. Journal of Alzheimer's Disease, 2020, 78, 479-503.	1.2	28
882	Interleukin- $1\hat{l}^2$ Drives Cellular Senescence of Rat Astrocytes Induced by Oligomerized Amyloid $\hat{l}^2$ Peptide and Oxidative Stress. Frontiers in Neurology, 2020, 11, 929.	1.1	28
883	Hematopoietic Cell Kinase (HCK) Is Essential for NLRP3 Inflammasome Activation and Lipopolysaccharide-Induced Inflammatory Response In Vivo. Frontiers in Pharmacology, 2020, 11, 581011.	1.6	17
884	Potential Role of Extracellular CIRP in Alcohol-Induced Alzheimer's Disease. Molecular Neurobiology, 2020, 57, 5000-5010.	1.9	10
885	NLRP3 Sensing of Diverse Inflammatory Stimuli Requires Distinct Structural Features. Frontiers in Immunology, 2020, 11, 1828.	2.2	23
886	Mitochondrial Dysfunction and Alzheimer's Disease: Role of Microglia. Frontiers in Aging Neuroscience, 2020, 12, 252.	1.7	95
887	Neuroinflammation Mediated by NLRP3 Inflammasome After Intracerebral Hemorrhage and Potential Therapeutic Targets. Molecular Neurobiology, 2020, 57, 5130-5149.	1.9	57
888	Mechanisms of NLRP3 Inflammasome Activation: Its Role in the Treatment of Alzheimer's Disease. Neurochemical Research, 2020, 45, 2560-2572.	1.6	65

#	Article	IF	CITATIONS
889	Protection of MCC950 against Alzheimer's disease via inhibiting neuronal pyroptosis in SAMP8 mice. Experimental Brain Research, 2020, 238, 2603-2614.	0.7	34
890	Target Dysbiosis of Gut Microbes as a Future Therapeutic Manipulation in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 544235.	1.7	38
891	Caspase-1 has a critical role in blood-brain barrier injury and its inhibition contributes to multifaceted repair. Journal of Neuroinflammation, 2020, 17, 267.	3.1	34
892	Pre-symptomatic Caspase-1 inhibitor delays cognitive decline in a mouse model of Alzheimer disease and aging. Nature Communications, 2020, 11, 4571.	5.8	50
893	Potentially Pathogenic Calcium Oxalate Dihydrate and Titanium Dioxide Crystals in the Alzheimer's Disease Entorhinal Cortex. Journal of Alzheimer's Disease, 2020, 77, 547-550.	1.2	7
894	NLRP3 Inflammasome: A Potential Therapeutic Target in Fine Particulate Matter-Induced Neuroinflammation in Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 77, 923-934.	1.2	9
895	Gender Differences of NLRP1 Inflammasome in Mouse Model of Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 512097.	1.7	9
896	The Gut-Brain Axis: How Microbiota and Host Inflammasome Influence Brain Physiology and Pathology. Frontiers in Immunology, 2020, 11, 604179.	2.2	337
897	Experimental Evidence of the Benefits of Acupuncture for Alzheimer's Disease: An Updated Review. Frontiers in Neuroscience, 2020, 14, 549772.	1.4	24
898	Upregulation of Nucleotide-Binding Oligomerization Domain-, LRR- and Pyrin Domain-Containing Protein 3 in Motoneurons Following Peripheral Nerve Injury in Mice. Frontiers in Pharmacology, 2020, 11, 584184.	1.6	6
899	Therapeutic Targeting Strategies for Early- to Late-Staged Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 9591.	1.8	24
900	Review: In vitro Cell Platform for Understanding Developmental Toxicity. Frontiers in Genetics, 2020, 11, 623117.	1.1	6
901	AIM2 inflammasome mediates hallmark neuropathological alterations and cognitive impairment in a mouse model of vascular dementia. Molecular Psychiatry, 2021, 26, 4544-4560.	4.1	71
902	An epoxide hydrolase inhibitor reduces neuroinflammation in a mouse model of Alzheimer's disease. Science Translational Medicine, 2020, 12, .	5.8	77
903	Ellagic Acid Protects Dopamine Neurons via Inhibition of NLRP3 Inflammasome Activation in Microglia. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	1.9	26
904	Exploring the Multifaceted Therapeutic Potential of Withaferin A and Its Derivatives. Biomedicines, 2020, 8, 571.	1.4	49
905	Thioredoxin-Interacting Protein (TXNIP) with Focus on Brain and Neurodegenerative Diseases. International Journal of Molecular Sciences, 2020, 21, 9357.	1.8	74
906	Insulin Resistance at the Crossroad of Alzheimer Disease Pathology: A Review. Frontiers in Endocrinology, 2020, 11, 560375.	1.5	39

#	Article	IF	Citations
907	Clustering of Alzheimer's and Parkinson's disease based on genetic burden of shared molecular mechanisms. Scientific Reports, 2020, 10, 19097.	1.6	11
908	Dopamine D1 receptor agonist A-68930 ameliorates $\hat{A^2}$ 1-42-induced cognitive impairment and neuroinflammation in mice. International Immunopharmacology, 2020, 88, 106963.	1.7	18
909	Contradictory Effects of NLRP3 Inflammasome Regulatory Mechanisms in Colitis. International Journal of Molecular Sciences, 2020, 21, 8145.	1.8	16
910	Evolution of the Research Literature and the Scientific Community of Alzheimer's Disease from 1983-2017: A 35-Year Survey. Journal of Alzheimer's Disease, 2020, 75, 1105-1134.	1.2	2
911	Inhibition of the NLRP3-inflammasome prevents cognitive deficits in experimental autoimmune encephalomyelitis mice via the alteration of astrocyte phenotype. Cell Death and Disease, 2020, 11, 377.	2.7	104
912	Exosomes in Food: Health Benefits and Clinical Relevance in Diseases. Advances in Nutrition, 2020, 11, 687-696.	2.9	52
913	Switch Off "Parallel Circuit― Insight of New Strategy of Simultaneously Suppressing Canonical and Noncanonical Inflammation Activation in Endotoxemic Mice. Advanced Biology, 2020, 4, 2000037.	3.0	5
914	Short Exposure to Ethanol Diminishes Caspase-1 and ASC Activation in Human HepG2 Cells In Vitro. International Journal of Molecular Sciences, 2020, 21, 3196.	1.8	12
915	Integrin CD11b mediates locus coeruleus noradrenergic neurodegeneration in a mouse Parkinson's disease model. Journal of Neuroinflammation, 2020, 17, 148.	3.1	23
916	MicroRNA-223 targets NLRP3 to relieve inflammation and alleviate spinal cord injury. Life Sciences, 2020, 254, 117796.	2.0	23
917	N-AS-triggered SPMs are direct regulators of microglia in a model of Alzheimer's disease. Nature Communications, 2020, 11, 2358.	5.8	31
918	Association of <i>IL1R2</i> rs34043159 with sporadic Alzheimer's disease in southern Han Chinese. European Journal of Neurology, 2020, 27, 1844-1847.	1.7	6
919	Effect of Caloric Restriction on the in vivo Functional Properties of Aging Microglia. Frontiers in Immunology, 2020, 11, 750.	2.2	23
920	The Role of P2X7 Receptor in Alzheimer's Disease. Frontiers in Molecular Neuroscience, 2020, 13, 94.	1.4	44
921	MCC950 Inhibits NLRP3 Inflammasome and Alleviates Axonal Injures in Early Stages of Diffuse Axonal Injury in Rats. Neurochemical Research, 2020, 45, 2020-2031.	1.6	12
922	Targeting Infectious Agents as a Therapeutic Strategy in Alzheimer's Disease. CNS Drugs, 2020, 34, 673-695.	2.7	19
923	Microbiota-gut-brain axis in health and disease: Is NLRP3 inflammasome at the crossroads of microbiota-gut-brain communications?. Progress in Neurobiology, 2020, 191, 101806.	2.8	87
924	The dichotomous role of the gut microbiome in exacerbating and ameliorating neurodegenerative disorders. Expert Review of Neurotherapeutics, 2020, 20, 673-686.	1.4	26

#	Article	IF	CITATIONS
925	A Role of Low-Density Lipoprotein Receptor-Related Protein 4 (LRP4) in Astrocytic A $\hat{l}^2$ Clearance. Journal of Neuroscience, 2020, 40, 5347-5361.	1.7	35
926	Targeting NLRP3 Inflammasome Reduces Age-Related Experimental Alveolar Bone Loss. Journal of Dental Research, 2020, 99, 1287-1295.	2.5	53
927	Exercise benefits on Alzheimer's disease: State-of-the-science. Ageing Research Reviews, 2020, 62, 101108.	5.0	153
928	Enduring Changes in Neuronal Function upon Systemic Inflammation Are NLRP3 Inflammasome Dependent. Journal of Neuroscience, 2020, 40, 5480-5494.	1.7	36
929	Immediate and long-term consequences of COVID-19 infections for the development of neurological disease. Alzheimer's Research and Therapy, 2020, 12, 69.	3.0	367
930	Focus on the Role of NLRP3 Inflammasome in Diseases. International Journal of Molecular Sciences, 2020, 21, 4223.	1.8	162
931	Alzheimer's-associated PLCγ2 is a signaling node required for both TREM2 function and the inflammatory response in human microglia. Nature Neuroscience, 2020, 23, 927-938.	7.1	142
932	IL-33 and its decoy sST2 in patients with Alzheimer's disease and mild cognitive impairment. Journal of Neuroinflammation, 2020, 17, 174.	3.1	36
933	25-Hydroxycholesterol amplifies microglial IL- $\hat{1}^2$ production in an apoE isoform-dependent manner. Journal of Neuroinflammation, 2020, 17, 192.	3.1	57
934	Cellular Models and Assays to Study NLRP3 Inflammasome Biology. International Journal of Molecular Sciences, 2020, 21, 4294.	1.8	29
935	Emerging role of microRNAs in ischemic stroke with comorbidities. Experimental Neurology, 2020, 331, 113382.	2.0	44
936	Down-regulation of DJ-1 Augments Neuroinflammation via Nrf2/Trx1/NLRP3 Axis in MPTP-induced Parkinson's Disease Mouse Model. Neuroscience, 2020, 442, 253-263.	1.1	22
937	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia in vivo but Not in vitro. Frontiers in Cell and Developmental Biology, 2020, 8, 114.	1.8	16
938	High-intensity interval training and moderate-intensity continuous training alleviate $\hat{l}^2$ -amyloid deposition by inhibiting NLRP3 inflammasome activation in APPswe/PS1dE9 mice. NeuroReport, 2020, 31, 425-432.	0.6	21
939	Genetic Ablation of Hematopoietic Cell Kinase Accelerates Alzheimer's Disease–Like Neuropathology in Tg2576 Mice. Molecular Neurobiology, 2020, 57, 2447-2460.	1.9	15
940	Neuroimmune Connections in Aging and Neurodegenerative Diseases. Trends in Immunology, 2020, 41, 300-312.	2.9	111
941	HJ22, a Novel derivative of piperine, Attenuates ibotenic acid-induced cognitive impairment, oxidativestress, apoptosis and inflammation via inhibiting the protein-protein interaction of Keap1-Nrf2. International Immunopharmacology, 2020, 83, 106383.	1.7	18
942	Role of dietary fatty acids in microglial polarization in Alzheimer's disease. Journal of Neuroinflammation, 2020, 17, 93.	3.1	57

#	Article	IF	CITATIONS
943	AIM2 inflammasome contributes to brain injury and chronic post-stroke cognitive impairment in mice. Brain, Behavior, and Immunity, 2020, 87, 765-776.	2.0	86
944	Neurodegenerative Susceptibility During Maternal Nutritional Programing: Are Central and Peripheral Innate Immune Training Relevant?. Frontiers in Neuroscience, 2020, 14, 13.	1.4	7
945	The dual reno- and neuro-protective effects of dimethyl fumarate against uremic encephalopathy in a renal ischemia/reperfusion model. Pharmacological Reports, 2020, 72, 969-983.	1.5	11
946	The Roles of Monocyte and Monocyte-Derived Macrophages in Common Brain Disorders. BioMed Research International, 2020, 2020, 1-11.	0.9	19
947	The NLRP3 Inflammasome as a Critical Actor in the Inflammaging Process. Cells, 2020, 9, 1552.	1.8	33
948	An interplay between immune response and neurodegenerative disease progression: An assessment using Drosophila as a model. Journal of Neuroimmunology, 2020, 346, 577302.	1.1	11
949	Stress-induced NLRP3 inflammasome activation negatively regulates fear memory in mice. Journal of Neuroinflammation, 2020, 17, 205.	3.1	64
950	Neurovascular Inflammaging in Health and Disease. Cells, 2020, 9, 1614.	1.8	44
951	Cell death in chronic inflammation: breaking the cycle to treat rheumatic disease. Nature Reviews Rheumatology, 2020, 16, 496-513.	3.5	74
952	Synthesis and biological evaluation of parthenolide derivatives with reduced toxicity as potential inhibitors of the NLRP3 inflammasome. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127399.	1.0	12
953	Resting State fMRI and Improved Deep Learning Algorithm for Earlier Detection of Alzheimer's Disease. IEEE Access, 2020, 8, 115383-115392.	2.6	40
954	The role of innate immunity in Alzheimer's disease. Immunological Reviews, 2020, 297, 225-246.	2.8	70
955	Microglia heterogeneity and neurodegeneration: The emerging paradigm of the role of immunity in Alzheimer's disease. Journal of Neuroimmunology, 2020, 341, 577185.	1.1	58
956	Vaccines targeting the primary amino acid sequence and conformational epitope of amyloidâ€Î² had distinct effects on neuropathology and cognitive deficits in EAE/AD mice. British Journal of Pharmacology, 2020, 177, 2860-2871.	2.7	7
957	Human-Induced Neurons from Presenilin 1 Mutant Patients Model Aspects of Alzheimer's Disease Pathology. International Journal of Molecular Sciences, 2020, 21, 1030.	1.8	11
958	NLRP3 Inflammasome and Inflammatory Diseases. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	131
959	Extracellular vesicle-mediated amyloid transfer to neural progenitor cells: implications for RAGE and HIV infection. Molecular Brain, 2020, 13, 21.	1.3	11
960	Healthy Effects of Plant Polyphenols: Molecular Mechanisms. International Journal of Molecular Sciences, 2020, 21, 1250.	1.8	265

#	Article	IF	CITATIONS
961	The strategies of targeting the NLRP3 inflammasome to treat inflammatory diseases. Advances in Immunology, 2020, 145, 55-93.	1.1	44
962	Inhibiting NLRP3 inflammasome with MCC950 ameliorates perioperative neurocognitive disorders, suppressing neuroinflammation in the hippocampus in aged mice. International Immunopharmacology, 2020, 82, 106317.	1.7	33
963	Inflammasome and Cognitive Symptoms in Human Diseases: Biological Evidence from Experimental Research. International Journal of Molecular Sciences, 2020, 21, 1103.	1.8	16
964	The rOXâ€stars of inflammation: links between the inflammasome and mitochondrial meltdown. Clinical and Translational Immunology, 2020, 9, e01109.	1.7	35
965	$\hat{l}^2$ -Lapachone attenuates cognitive impairment and neuroinflammation in beta-amyloid induced mouse model of Alzheimer's disease. International Immunopharmacology, 2020, 81, 106300.	1.7	19
966	Molecular Mechanism of Apoptosis by Amyloid $\hat{I}^2$ -Protein Fibrils Formed on Neuronal Cells. ACS Chemical Neuroscience, 2020, 11, 796-805.	1.7	28
967	Central and Peripheral Metabolic Defects Contribute to the Pathogenesis of Alzheimer's Disease: Targeting Mitochondria for Diagnosis and Prevention. Antioxidants and Redox Signaling, 2020, 32, 1188-1236.	2.5	61
968	Glial Cellsâ€"The Strategic Targets in Amyotrophic Lateral Sclerosis Treatment. Journal of Clinical Medicine, 2020, 9, 261.	1.0	51
969	Zinc promotes functional recovery after spinal cord injury by activating Nrf2/HO-1 defense pathway and inhibiting inflammation of NLRP3 in nerve cells. Life Sciences, 2020, 245, 117351.	2.0	59
970	Role of zinc dyshomeostasis in inflammasome formation in cultured cortical cells following lipopolysaccharide or oxygen-glucose deprivation/reperfusion exposure. Neurobiology of Disease, 2020, 137, 104771.	2.1	12
971	Nicotinamide Adenine Dinucleotide Phosphate Oxidase and Neurodegenerative Diseases: Mechanisms and Therapy. Antioxidants and Redox Signaling, 2020, 33, 374-393.	2.5	22
972	AMPK, a Regulator of Metabolism and Autophagy, Is Activated by Lysosomal Damage via a Novel Galectin-Directed Ubiquitin Signal Transduction System. Molecular Cell, 2020, 77, 951-969.e9.	4.5	103
973	Amyloids in Site-Specific Autoimmune Reactions and Inflammatory Responses. Frontiers in Immunology, 2019, 10, 2980.	2.2	7
974	The Roles of the NLRP3 Inflammasome in Neurodegenerative and Metabolic Diseases and in Relevant Advanced Therapeutic Interventions. Genes, 2020, 11, 131.	1.0	46
975	Discovery and optimization of 4-oxo-2-thioxo-thiazolidinones as NOD-like receptor (NLR) family, pyrin domain-containing protein 3 (NLRP3) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127021.	1.0	11
976	An Acetylation Switch of the NLRP3 Inflammasome Regulates Aging-Associated Chronic Inflammation and Insulin Resistance. Cell Metabolism, 2020, 31, 580-591.e5.	7.2	213
977	Immunotherapies for Aging-Related Neurodegenerative Diseasesâ€"Emerging Perspectives and New Targets. Neurotherapeutics, 2020, 17, 935-954.	2.1	40
978	The Amyloid-beta rich CNS environment alters myeloid cell functionality independent of their origin. Scientific Reports, 2020, 10, 7152.	1.6	3

#	Article	IF	Citations
979	Tetrahydroxy stilbene glycoside alleviated inflammatory damage by mitophagy via AMPK related PINK1/Parkin signaling pathway. Biochemical Pharmacology, 2020, 177, 113997.	2.0	29
980	ER stress activates immunosuppressive network: implications for aging and Alzheimer's disease. Journal of Molecular Medicine, 2020, 98, 633-650.	1.7	60
981	Chronic cerebral hypoperfusion activates AIM2 and NLRP3 inflammasome. Brain Research, 2020, 1736, 146779.	1.1	24
982	NLRP3 inflammasome and glia maturation factor coordinately regulate neuroinflammation and neuronal loss in MPTP mouse model of Parkinson's disease. International Immunopharmacology, 2020, 83, 106441.	1.7	36
983	NLRP3 inflammasome as a novel therapeutic target for Alzheimer's disease. Signal Transduction and Targeted Therapy, 2020, 5, 37.	7.1	61
984	Lysophospholipids and Their G-Coupled Protein Signaling in Alzheimer's Disease: From Physiological Performance to Pathological Impairment. Frontiers in Molecular Neuroscience, 2020, 13, 58.	1.4	23
985	Inhibition of formyl peptide receptors improves the outcome in a mouse model of Alzheimer disease. Journal of Neuroinflammation, 2020, 17, 131.	3.1	27
986	Leishmania infantum infection reduces the amyloid $\hat{l}^242$ -stimulated NLRP3 inflammasome activation. Brain, Behavior, and Immunity, 2020, 88, 597-605.	2.0	12
987	Pharmacological approaches to mitigate neuroinflammation in Alzheimer's disease. International Immunopharmacology, 2020, 84, 106479.	1.7	73
988	Natural compounds flavonoids as modulators of inflammasomes in chronic diseases. International Immunopharmacology, 2020, 84, 106498.	1.7	51
989	MicroRNA-374a-5p inhibits neuroinflammation in neonatal hypoxic-ischemic encephalopathy via regulating NLRP3 inflammasome targeted Smad6. Life Sciences, 2020, 252, 117664.	2.0	24
990	Hippocampal Deficits in Amyloid-β-Related Rodent Models of Alzheimer's Disease. Frontiers in Neuroscience, 2020, 14, 266.	1.4	44
991	TLR4 Cross-Talk With NLRP3 Inflammasome and Complement Signaling Pathways in Alzheimer's Disease. Frontiers in Immunology, 2020, 11, 724.	2.2	174
992	IL-33-PU.1 Transcriptome Reprogramming Drives Functional State Transition and Clearance Activity of Microglia in Alzheimer's Disease. Cell Reports, 2020, 31, 107530.	2.9	65
993	Relationship between proinflammatory cytokines (Il-1beta, Il-18) and leukocyte telomere length in mild cognitive impairment and Alzheimer's disease. Experimental Gerontology, 2020, 136, 110945.	1.2	30
994	10-Hydroxydecanoic acid inhibits LPS-induced inflammation by targeting p53 in microglial cells. International Immunopharmacology, 2020, 84, 106501.	1.7	11
995	Carnosol inhibits inflammasome activation by directly targeting HSP90 to treat inflammasome-mediated diseases. Cell Death and Disease, 2020, 11, 252.	2.7	40
996	Reparative Effects of Stem Cell Factor and Granulocyte Colony-Stimulating Factor in Aged APP/PS1 Mice. , 2020, 11, 1423.		9

#	Article	IF	CITATIONS
997	Apolipoprotein E4 and meningeal lymphatics in Alzheimer disease: a conceptual framework. Molecular Psychiatry, 2021, 26, 1075-1097.	4.1	42
998	Role of Microglia in Regulating Cholesterol and Tau Pathology in Alzheimer's Disease. Cellular and Molecular Neurobiology, 2021, 41, 651-668.	1.7	10
999	Inflammatory cytokines derived from peripheral blood contribute to the modified electroconvulsive therapy-induced cognitive deficits in major depressive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 475-485.	1.8	24
1000	Organelle-specific autophagy in inflammatory diseases: a potential therapeutic target underlying the quality control of multiple organelles. Autophagy, 2021, 17, 385-401.	4.3	195
1001	Therapeutic role of inflammasome inhibitors in neurodegenerative disorders. Brain, Behavior, and Immunity, 2021, 91, 771-783.	2.0	26
1002	Repeated propofol exposure-induced neuronal damage and cognitive impairment in aged rats by activation of NF-Î <sup>®</sup> B pathway and NLRP3 inflammasome. Neuroscience Letters, 2021, 740, 135461.	1.0	17
1003	Targeting microglial autophagic degradation in NLRP3 inflammasome-mediated neurodegenerative diseases. Ageing Research Reviews, 2021, 65, 101202.	5.0	104
1004	Pristimerin protects against inflammation and metabolic disorder in mice through inhibition of NLRP3 inflammasome activation. Acta Pharmacologica Sinica, 2021, 42, 975-986.	2.8	21
1005	Albiflorin Attenuates Mood Disorders Under Neuropathic Pain State by Suppressing the Hippocampal NLRP3 Inflammasome Activation During Chronic Constriction Injury. International Journal of Neuropsychopharmacology, 2021, 24, 64-76.	1.0	24
1006	Tissue-specific features of microglial innate immune responses. Neurochemistry International, 2021, 142, 104924.	1.9	8
1007	Genome-wide identification of novel long non-coding RNAs and their possible roles in hypoxic zebrafish brain. Genomics, 2021, 113, 29-43.	1.3	9
1008	Synaptic elimination by microglia and disturbed higher brain functions. Neurochemistry International, 2021, 142, 104901.	1.9	29
1009	Dissecting the non-neuronal cell contribution to Parkinson's disease pathogenesis using induced pluripotent stem cells. Cellular and Molecular Life Sciences, 2021, 78, 2081-2094.	2.4	8
1010	Protective Activity of $\hat{A^2}$ on Cell Cultures (PC12 and THP-1 after Differentiation) Preincubated with Lipopolysaccharide (LPS). Molecular Neurobiology, 2021, 58, 1453-1464.	1.9	17
1011	Physical exercise prevents amyloid $\hat{l}^21\hat{a}^240$ -induced disturbances in NLRP3 inflammasome pathway in the hippocampus of mice. Metabolic Brain Disease, 2021, 36, 351-359.	1.4	22
1012	2,5-hexanedione induces NLRP3 inflammasome activation and neurotoxicity through NADPH oxidase-dependent pathway. Free Radical Biology and Medicine, 2021, 162, 561-570.	1.3	9
1013	The NLRP3 inflammasome triggers sterile neuroinflammation and Alzheimer's disease. Current Opinion in Immunology, 2021, 68, 116-124.	2.4	91
1014	Extracellular Adenosine Triphosphate (eATP) and Its Metabolite, Extracellular Adenosine (eAdo), as Opposing "Yin–Yang―Regulators of Nlrp3 Inflammasome in the Trafficking of Hematopoietic Stem/Progenitor Cells. Frontiers in Immunology, 2020, 11, 603942.	2.2	7

#	Article	IF	CITATIONS
1015	Strategies for Targeting the NLRP3 Inflammasome in the Clinical and Preclinical Space. Journal of Medicinal Chemistry, 2021, 64, 101-122.	2.9	67
1016	Neuroinflammation and microglial activation in Alzheimer disease: where do we go from here?. Nature Reviews Neurology, 2021, 17, 157-172.	4.9	1,242
1017	Development of Novel Tetrahydroquinoline Inhibitors of NLRP3 Inflammasome for Potential Treatment of DSS-Induced Mouse Colitis. Journal of Medicinal Chemistry, 2021, 64, 871-889.	2.9	36
1018	An overview of disease models for NLRP3 inflammasome over-activation. Expert Opinion on Drug Discovery, 2021, 16, 429-446.	2.5	10
1019	Attenuation of the extracellular matrix restores microglial activity during the early stage of amyloidosis. Glia, 2021, 69, 182-200.	2.5	12
1020	Novel Targets for Alzheimer's Disease: A View Beyond Amyloid. Annual Review of Medicine, 2021, 72, 15-28.	5.0	22
1021	The inhibitor effect of RKIP on inflammasome activation and inflammasome-dependent diseases. Cellular and Molecular Immunology, 2021, 18, 992-1004.	4.8	22
1022	Lychee seed polyphenol protects the <scp>bloodâ€"brain</scp> barrier through inhibiting Aβ(25â€"35)â€induced <scp>NLRP3</scp> inflammasome activation via the <scp>AMPK</scp> / <scp>mTOR</scp> / <scp>ULK1â€mediated</scp> autophagy in <scp>bEnd</scp> .3 cells and <scp>APP</scp> / <scp>PS1</scp> mice. Phytotherapy Research. 2021. 35, 954-973.	2.8	36
1023	Vaccination with $(1\hat{a}\in 11)$ E2 in alum efficiently induces an antibody response to $\hat{l}^2$ -amyloid without affecting brain $\hat{l}^2$ -amyloid load and microglia activation in 3xTg mice. Aging Clinical and Experimental Research, 2021, 33, 1383-1387.	1.4	3
1024	The Potential Roles of Redox Enzymes in Alzheimer's Disease: Focus on Thioredoxin. ASN Neuro, 2021, 13, 175909142199435.	1.5	11
1025	Particulate matter aggravates Alzheimer's disease by activating the NLRP3 inflammasome to release ASC specks. Environmental Science: Nano, 2021, 8, 2177-2190.	2.2	5
1026	Peripherally misfolded proteins exacerbate ischemic stroke-induced neuroinflammation and brain injury. Journal of Neuroinflammation, 2021, 18, 29.	3.1	12
1027	Decoding Mast Cell-Microglia Communication in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 1093.	1.8	40
1028	Ubiquitin signalling in neurodegeneration: mechanisms and therapeutic opportunities. Cell Death and Differentiation, 2021, 28, 570-590.	5.0	197
1029	Echinatin effectively protects against NLRP3 inflammasome–driven diseases by targeting HSP90. JCI Insight, 2021, 6, .	2.3	52
1030	Myricetin as a Promising Molecule for the Treatment of Post-Ischemic Brain Neurodegeneration. Nutrients, 2021, 13, 342.	1.7	21
1031	Effect of Increased IL-1β on Expression of HK in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 1306.	1.8	13
1032	Lytic Cell Death in Specific Microglial Subsets Is Required for Preventing Atypical Behavior in Mice. ENeuro, 2021, 8, ENEURO.0342-20.2020.	0.9	0

#	Article	IF	Citations
1033	Glia-Like Cells from Human Mesenchymal Stem Cells Protect Neural Stem Cells in an <i>In Vitro</i> Model of Alzheimer's Disease by Reducing NLRP-3 Inflammasome. Dementia and Neurocognitive Disorders, 2021, 20, 1.	0.4	2
1034	Fucoxanthin from microalgae Phaeodactylum tricornutum inhibits pro-inflammatory cytokines by regulating both NF- $\hat{l}^2$ B and NLRP3 inflammasome activation. Scientific Reports, 2021, 11, 543.	1.6	36
1035	Role of Neuroinflammation in Neurodegenerative Disorders. , 2021, , 41-49.		2
1036	NLRP3 Inflammasome Blockade Reduces Cocaine-Induced Microglial Activation and Neuroinflammation. Molecular Neurobiology, 2021, 58, 2215-2230.	1.9	22
1037	Structural insights of sulfonamide-based NLRP3 inflammasome inhibitors: design, synthesis, and biological characterization. Medicinal Chemistry Research, 2021, 30, 473-482.	1.1	1
1038	Can NLRP3 inhibitors improve on dexamethasone for the treatment of COVID-19?. Current Research in Pharmacology and Drug Discovery, 2021, 2, 100048.	1.7	6
1039	Expression of NLRP3 Inflammasomes in Neurogenic Niche Contributes to the Effect of Spatial Learning in Physiological Conditions but Not in Alzheimer's Type Neurodegeneration. Cellular and Molecular Neurobiology, 2021, , 1.	1.7	8
1040	The roles of NLRP3 inflammasome-mediated signaling pathways in hyperuricemic nephropathy. Molecular and Cellular Biochemistry, 2021, 476, 1377-1386.	1.4	22
1041	Bibliometric Analysis of the Inflammasome and Pyroptosis in Brain. Frontiers in Pharmacology, 2020, 11, 626502.	1.6	58
1042	Therapeutic regulation of the NLRP3 inflammasome in chronic inflammatory diseases. Archives of Pharmacal Research, 2021, 44, 16-35.	2.7	60
1043	Dl-3-n-butylphthalide inhibits neuroinflammation by stimulating foxp3 and Ki-67 in an ischemic stroke model. Aging, 2021, 13, 3763-3778.	1.4	17
1044	Brain inflammasomes in depression. , 2021, , 139-147.		1
1045	Caspase-1: an important player and possible target for repair of the blood-brain barrier underlying neurodegeneration. Neural Regeneration Research, 2021, 16, 2390.	1.6	6
1046	Caspase-1/IL-1β represses membrane transport of GluA1 by inhibiting the interaction between Stargazin and GluA1 in Alzheimer's disease. Molecular Medicine, 2021, 27, 8.	1.9	9
1047	Inflamm-Aging and Brain Insulin Resistance: New Insights and Role of Life-style Strategies on Cognitive and Social Determinants in Aging and Neurodegeneration. Frontiers in Neuroscience, 2020, 14, 618395.	1.4	25
1048	Positive Feedback Regulation of Microglial Glucose Metabolism by Histone H4 Lysine 12 Lactylation in Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	49
1049	Anxiolytic effects of NLRP3 inflammasome inhibition in a model of chronic sleep deprivation. Translational Psychiatry, 2021, 11, 52.	2.4	19
1050	Pathophysiological Clues to How the Emergent SARS-CoV-2 Can Potentially Increase the Susceptibility to Neurodegeneration. Molecular Neurobiology, 2021, 58, 2379-2394.	1.9	38

#	Article	IF	CITATIONS
1052	Limonin Attenuates LPS-Induced Hepatotoxicity by Inhibiting Pyroptosis <i>via</i> NLRP3/Gasdermin D Signaling Pathway. Journal of Agricultural and Food Chemistry, 2021, 69, 982-991.	2.4	27
1053	Sulfur-containing therapeutics in the treatment of Alzheimer's disease. Medicinal Chemistry Research, 2021, 30, 305-352.	1.1	20
1054	Resolvin D1 ameliorates Inflammation-Mediated Blood-Brain Barrier Disruption After Subarachnoid Hemorrhage in rats by Modulating A20 and NLRP3 Inflammasome. Frontiers in Pharmacology, 2020, 11, 610734.	1.6	23
1055	Prospective Role of Polyphenolic Compounds in the Treatment of Neurodegenerative Diseases. CNS and Neurological Disorders - Drug Targets, 2021, 20, 430-450.	0.8	29
1056	Targeting the NLRP3 Inflammasome via BTK. Frontiers in Cell and Developmental Biology, 2021, 9, 630479.	1.8	24
1057	Inflammatory Mechanisms in Parkinson's Disease: From Pathogenesis to Targeted Therapies. Neuroscientist, 2022, 28, 485-506.	2.6	14
1058	Discovery of carbon-11 labeled sulfonamide derivative: A PET tracer for imaging brain NLRP3 inflammasome. Bioorganic and Medicinal Chemistry Letters, 2021, 34, 127777.	1.0	14
1059	Intracerebral Hemorrhage and Diabetes Mellitus: Blood-Brain Barrier Disruption, Pathophysiology and Cognitive Impairments. CNS and Neurological Disorders - Drug Targets, 2021, 20, 312-326.	0.8	11
1060	Anti-NLRP3 Inflammasome Natural Compounds: An Update. Biomedicines, 2021, 9, 136.	1.4	12
1061	Editorial: Cognitive Dysfunctions in Psychiatric Disorders: Brain-Immune Interaction Mechanisms and Integrative Therapeutic Approaches. Frontiers in Integrative Neuroscience, 2021, 15, 649425.	1.0	0
1062	Targeting Microglia-Synapse Interactions in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 2342.	1.8	36
1063	Microbiome or Infections: Amyloid-Containing Biofilms as a Trigger for Complex Human Diseases. Frontiers in Immunology, 2021, 12, 638867.	2.2	61
1064	Microglia Fighting for Neurological and Mental Health: On the Central Nervous System Frontline of COVID-19 Pandemic. Frontiers in Cellular Neuroscience, 2021, 15, 647378.	1.8	27
1065	Mitochondrial Oxidative Stress and "Mito-Inflammation― Actors in the Diseases. Biomedicines, 2021, 9, 216.	1.4	63
1066	The Role of the Inflammasome in Neurodegenerative Diseases. Molecules, 2021, 26, 953.	1.7	71
1067	The influence of the R47H triggering receptor expressed on myeloid cells 2 variant on microglial exosome profiles. Brain Communications, 2021, 3, fcab009.	1.5	7
1068	Zinc Status Alters Alzheimer's Disease Progression through NLRP3-Dependent Inflammation. Journal of Neuroscience, 2021, 41, 3025-3038.	1.7	41
1069	Microglia control small vessel calcification via TREM2. Science Advances, 2021, 7, .	4.7	22

#	Article	IF	CITATIONS
1070	1,2,4-Trimethoxybenzene selectively inhibits NLRP3 inflammasome activation and attenuates experimental autoimmune encephalomyelitis. Acta Pharmacologica Sinica, 2021, 42, 1769-1779.	2.8	15
1071	Recent Progress on the Discovery of NLRP3 Inhibitors and their Therapeutic Potential. Current Medicinal Chemistry, 2021, 28, 569-582.	1.2	17
1072	A Fundamental Role for Oxidants and Intracellular Calcium Signals in Alzheimer's Pathogenesis—And How a Comprehensive Antioxidant Strategy May Aid Prevention of This Disorder. International Journal of Molecular Sciences, 2021, 22, 2140.	1.8	11
1073	NLRP3 deficiency-induced hippocampal dysfunction and anxiety-like behavior in mice. Brain Research, 2021, 1752, 147220.	1.1	18
1074	Neuroinflammation in Prion Disease. International Journal of Molecular Sciences, 2021, 22, 2196.	1.8	20
1075	Iron loading is a prominent feature of activated microglia in Alzheimer's disease patients. Acta Neuropathologica Communications, 2021, 9, 27.	2.4	79
1076	Pre-Clinical Neuroprotective Evidences and Plausible Mechanisms of Sulforaphane in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 2929.	1.8	31
1077	Antimicrobial Peptide LL-37 Drives Rosacea-Like Skin Inflammation in an NLRP3-Dependent Manner. Journal of Investigative Dermatology, 2021, 141, 2885-2894.e5.	0.3	30
1078	Lactic Acid Fermentation Is Required for NLRP3 Inflammasome Activation. Frontiers in Immunology, 2021, 12, 630380.	2.2	29
1079	<i>DJ‑1</i> affects oxidative stress and pyroptosis in hippocampal neurons of Alzheimer's disease mouse model by regulating the Nrf2 pathway. Experimental and Therapeutic Medicine, 2021, 21, 557.	0.8	14
1080	Effect of low-intensity motor balance and coordination exercise on cognitive functions, hippocampal $A\hat{l}^2$ deposition, neuronal loss, neuroinflammation, and oxidative stress in a mouse model of Alzheimer's disease. Experimental Neurology, 2021, 337, 113590.	2.0	23
1081	The intricate biophysical puzzle of caspase-1 activation. Archives of Biochemistry and Biophysics, 2021, 699, 108753.	1.4	13
1082	Chalcone and its analogs: Therapeutic and diagnostic applications in Alzheimer's disease. Bioorganic Chemistry, 2021, 108, 104681.	2.0	71
1083	SGK1 inhibition in glia ameliorates pathologies and symptoms in Parkinson disease animal models. EMBO Molecular Medicine, 2021, 13, e13076.	3.3	52
1084	Chronic intraperitoneal injection of polyethylene glycol 200 in mice induces hippocampal neuroinflammation. Drug and Chemical Toxicology, 2021, , 1-8.	1.2	2
1086	Neurodegenerative Disease and the NLRP3 Inflammasome. Frontiers in Pharmacology, 2021, 12, 643254.	1.6	107
1087	Necroptosis, pyroptosis and apoptosis: an intricate game of cell death. Cellular and Molecular Immunology, 2021, 18, 1106-1121.	4.8	733
1088	<scp>TTP488</scp> ameliorates <scp>NLRP3</scp> â€associated inflammation, viability, apoptosis, and <scp>ROS</scp> production in an Alzheimer's disease cell model by mediating the <scp>JAK1</scp> / <scp>STAT3</scp> / <scp>NFκB</scp> / <scp>IRF3</scp> pathway. Cell Biochemistry and Function. 2021. 39. 555-561.	1.4	7

#	Article	IF	CITATIONS
1089	A Novel Anti-Inflammatory d-Peptide Inhibits Disease Phenotype Progression in an ALS Mouse Model. Molecules, 2021, 26, 1590.	1.7	6
1091	Inflammation and Insulin Resistance as Risk Factors and Potential Therapeutic Targets for Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 653651.	1.4	30
1092	Bavachin enhances NLRP3 inflammasome activation induced by ATP or nigericin and causes idiosyncratic hepatotoxicity. Frontiers of Medicine, 2021, 15, 594-607.	1.5	27
1093	Microbiota-derived short chain fatty acids modulate microglia and promote $\hat{Al^2}$ plaque deposition. ELife, 2021, 10, .	2.8	148
1094	Alterations in the Gut-Microbial-Inflammasome-Brain Axis in a Mouse Model of Alzheimer's Disease. Cells, 2021, 10, 779.	1.8	46
1095	Curcuma Longa, the "Golden Spice―to Counteract Neuroinflammaging and Cognitive Decline—What Have We Learned and What Needs to Be Done. Nutrients, 2021, 13, 1519.	1.7	11
1096	Cytokine signaling convergence regulates the microglial state transition in Alzheimer's disease. Cellular and Molecular Life Sciences, 2021, 78, 4703-4712.	2.4	23
1097	Precision Nutrition for Alzheimer's Prevention in ApoE4 Carriers. Nutrients, 2021, 13, 1362.	1.7	36
1098	Melatonin attenuates smoking-induced atherosclerosis by activating the Nrf2 pathway via NLRP3 inflammasomes in endothelial cells. Aging, 2021, 13, 11363-11380.	1.4	37
1099	A novel nutritional mixture, MBN, prevents memory impairment via inhibiting NLRP3 inflammasome formation in $5xFAD$ transgenic mice. Nutritional Neuroscience, $2021$ , , $1$ -8.	1.5	2
1100	Immunomodulatory Effects of Dopamine in Inflammatory Diseases. Frontiers in Immunology, 2021, 12, 663102.	2.2	49
1101	Evaluation of the prevention and treatment effects of acupuncture-moxibustion for Alzheimer disease based on various mouse models. Journal of Acupuncture and Tuina Science, 2021, 19, 147-156.	0.1	1
1102	Alzheimer's Disease: New Concepts on the Role of Autoimmunity and NLRP3 Inflammasome in the Pathogenesis of the Disease. Current Neuropharmacology, 2021, 19, 498-512.	1.4	16
1103	Chaihu-Longgu-Muli Decoction exerts an antiepileptic effect in rats by improving pyroptosis in hippocampal neurons. Journal of Ethnopharmacology, 2021, 270, 113794.	2.0	20
1104	Targeting innate immunity to protect and cure Alzheimer's disease: opportunities and pitfalls. Molecular Psychiatry, 2021, 26, 5504-5515.	4.1	22
1105	The role of P2X7R in neuroinflammation and implications in Alzheimer's disease. Life Sciences, 2021, 271, 119187.	2.0	16
1106	Microglial Function and Regulation during Development, Homeostasis and Alzheimer's Disease. Cells, 2021, 10, 957.	1.8	24
1108	Soluble α-synuclein–antibody complexes activate the NLRP3 inflammasome in hiPSC-derived microglia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	69

#	Article	IF	CITATIONS
1109	Tetrahydrobioterin (BH4) Pathway: From Metabolism to Neuropsychiatry. Current Neuropharmacology, 2021, 19, 591-609.	1.4	33
1110	Dietary Fiber Drives IL-1β–Dependent Peritonitis Induced by Bacteroides fragilis via Activation of the NLRP3 Inflammasome. Journal of Immunology, 2021, 206, 2441-2452.	0.4	1
1111	Inhibition of Long Non-Coding RNA KCNQ1OT1 Attenuates Neuroinflammation and Neuronal Apoptosis Through Regulating NLRP3 Expression via Sponging miR-30e-3p. Journal of Inflammation Research, 2021, Volume 14, 1731-1742.	1.6	20
1112	TRPV1 sustains microglial metabolic reprogramming in Alzheimer's disease. EMBO Reports, 2021, 22, e52013.	2.0	46
1113	Insulin Resistance and Diabetes Mellitus in Alzheimer's Disease. Cells, 2021, 10, 1236.	1.8	73
1114	Nanomedicine against Alzheimer's and Parkinson's Disease. Current Pharmaceutical Design, 2021, 27, 1507-1545.	0.9	7
1115	Bacille Calmette-Gu $\tilde{A}$ @rin attenuates vascular amyloid pathology and maximizes synaptic preservation in APP/PS1 mice following active amyloid- $\hat{l}^2$ immunotherapy. Neurobiology of Aging, 2021, 101, 94-108.	1.5	8
1116	Cross-Talk of the CNS With Immune Cells and Functions in Health and Disease. Frontiers in Neurology, 2021, 12, 672455.	1.1	30
1117	Lysosome Function in Cardiovascular Diseases. Cellular Physiology and Biochemistry, 2021, 55, 277-300.	1.1	7
1118	Cartilaginous endplate avulsion is associated with modic changes and endplate defects, and residual back and leg pain following lumbar discectomy. Osteoarthritis and Cartilage, 2021, 29, 707-717.	0.6	12
1119	Inflammation Drives Alzheimer's Disease: Emphasis on 5-lipoxygenase Pathways. Current Neuropharmacology, 2021, 19, 885-895.	1.4	6
1120	Mechanism of Gene-Environment Interactions Driving Glial Activation in Parkinson's Diseases. Current Environmental Health Reports, 2021, 8, 203-211.	3.2	4
1121	Cathepsin B aggravates acute pancreatitis by activating the NLRP3 inflammasome and promoting the caspase-1-induced pyroptosis. International Immunopharmacology, 2021, 94, 107496.	1.7	24
1122	An emerging role for microglia in stressâ€effects on memory. European Journal of Neuroscience, 2022, 55, 2491-2518.	1.2	23
1123	Transcriptional signature in microglia associated with $\hat{Al^2}$ plaque phagocytosis. Nature Communications, 2021, 12, 3015.	5.8	142
1124	The Role of the Effects of Autophagy on NLRP3 Inflammasome in Inflammatory Nervous System Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 657478.	1.8	28
1125	RRx-001 ameliorates inflammatory diseases by acting as a potent covalent NLRP3 inhibitor. Cellular and Molecular Immunology, 2021, 18, 1425-1436.	4.8	62
1126	Cord-Blood-Derived Professional Antigen-Presenting Cells: Functions and Applications in Current and Prospective Cell Therapies. International Journal of Molecular Sciences, 2021, 22, 5923.	1.8	0

#	Article	IF	CITATIONS
1127	Distinct Features of Brain-Resident Macrophages: Microglia and Non-Parenchymal Brain Macrophages. Molecules and Cells, 2021, 44, 281-291.	1.0	36
1128	Roles and Mechanisms of Gut Microbiota in Patients With Alzheimer's Disease. Frontiers in Aging Neuroscience, 2021, 13, 650047.	1.7	70
1129	P2X7 receptor and the NLRP3 inflammasome: Partners in crime. Biochemical Pharmacology, 2021, 187, 114385.	2.0	84
1130	SET8 mitigates hepatic ischemia/reperfusion injury in mice by suppressing MARK4/NLRP3 inflammasome pathway. Life Sciences, 2021, 273, 119286.	2.0	12
1131	Re-emphasizing early Alzheimer's disease pathology starting in select entorhinal neurons, with a special focus on mitophagy. Ageing Research Reviews, 2021, 67, 101307.	5.0	62
1132	Haploinsufficiency of microglial MyD88 ameliorates Alzheimer's pathology and vascular disorders in APP / PS1 â€transgenic mice. Glia, 2021, 69, 1987-2005.	2.5	6
1133	Inflammasome NLRP3 Potentially Links Obesity-Associated Low-Grade Systemic Inflammation and Insulin Resistance with Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 5603.	1.8	25
1134	Microglia in Aging and Alzheimer's Disease: A Comparative Species Review. Cells, 2021, 10, 1138.	1.8	57
1135	Expression and Cell Type-specific Localization of Inflammasome Sensors in the Spinal Cord of SOD1(G93A) Mice and Sporadic Amyotrophic lateral sclerosis Patients. Neuroscience, 2021, 463, 288-302.	1.1	8
1136	Vitamin K2 Holds Promise for Alzheimer's Prevention and Treatment. Nutrients, 2021, 13, 2206.	1.7	21
1138	The involvement of NLRP3 inflammasome in the treatment of neurodegenerative diseases. Biomedicine and Pharmacotherapy, 2021, 138, 111428.	2.5	29
1139	A comprehensive review on clinical and mechanistic pathophysiological aspects of COVID-19 Malady: How far have we come?. Virology Journal, 2021, 18, 120.	1.4	6
1140	Aggregated Tau-PHF6 (VQIVYK) Potentiates NLRP3 Inflammasome Expression and Autophagy in Human Microglial Cells. Cells, 2021, 10, 1652.	1.8	26
1141	The interaction between autophagy and neuroinflammation in major depressive disorder: From pathophysiology to therapeutic implications. Pharmacological Research, 2021, 168, 105586.	3.1	34
1142	Chronic stress and <scp>A</scp>  zheimer's disease: the interplay between the hypothalamic–pituitary–adrenal axis, genetics and microglia. Biological Reviews, 2021, 96, 2209-2228.	4.7	37
1143	Role of Neuron and Glia in Alzheimer's Disease and Associated Vascular Dysfunction. Frontiers in Aging Neuroscience, 2021, 13, 653334.	1.7	28
1144	Acute systemic inflammation exacerbates neuroinflammation in Alzheimer's disease: $\text{IL}\hat{a}\in\hat{I}^2$ drives amplified responses in primed astrocytes and neuronal network dysfunction. Alzheimer's and Dementia, 2021, 17, 1735-1755.	0.4	87
1145	Pharmacological Inhibition of the Nod-Like Receptor Family Pyrin Domain Containing 3 Inflammasome with MCC950. Pharmacological Reviews, 2021, 73, 968-1000.	7.1	87

#	Article	IF	Citations
1146	Total glucosides of paeony protects THP-1 macrophages against monosodium urate-induced inflammation via MALAT1/miR-876-5p/NLRP3 signaling cascade in gouty arthritis. Biomedicine and Pharmacotherapy, 2021, 138, 111413.	2.5	20
1147	Formulated Chinese medicine Shaoyao Gancao Tang reduces NLRP1 and NLRP3 in Alzheimer's disease cell and mouse models for neuroprotection and cognitive improvement. Aging, 2021, 13, 15620-15637.	1.4	32
1148	NLRP3 and Infections: $\hat{1}^2$ -Amyloid in Inflammasome beyond Neurodegeneration. International Journal of Molecular Sciences, 2021, 22, 6984.	1.8	21
1149	Evidence for the Role of Mitochondrial DNA Release in the Inflammatory Response in Neurological Disorders. International Journal of Molecular Sciences, 2021, 22, 7030.	1.8	38
1150	CD22 Blockage Restores Age-Related Impairments of Microglia Surveillance Capacity. Frontiers in Immunology, 2021, 12, 684430.	2.2	16
1151	Neuroimmune cleanup crews in brain injury. Trends in Immunology, 2021, 42, 480-494.	2.9	27
1152	Enduring glucocorticoid-evoked exacerbation of synaptic plasticity disruption in male rats modelling early Alzheimer's disease amyloidosis. Neuropsychopharmacology, 2021, 46, 2170-2179.	2.8	12
1153	Curcumin Alleviates Cerebral Ischemia-reperfusion Injury by Inhibiting NLRP1-dependent Neuronal Pyroptosis. Current Neurovascular Research, 2021, 18, 189-196.	0.4	20
1154	TLR and IKK Complex–Mediated Innate Immune Signaling Inhibits Stress Granule Assembly. Journal of Immunology, 2021, 207, 115-124.	0.4	2
1155	Role of Withaferin A and Its Derivatives in the Management of Alzheimer's Disease: Recent Trends and Future Perspectives. Molecules, 2021, 26, 3696.	1.7	22
1156	Photoactivation of TGFβ/SMAD signaling pathway ameliorates adult hippocampal neurogenesis in Alzheimer's disease model. Stem Cell Research and Therapy, 2021, 12, 345.	2.4	18
1157	Beta-Hydroxybutyrate, Friend or Foe for Stressed Hearts. Frontiers in Aging, 2021, 2, .	1.2	20
1158	The Unfolded Protein Response in Immune Cells as an Emerging Regulator of Neuroinflammation. Frontiers in Aging Neuroscience, 2021, 13, 682633.	1.7	23
1159	Chrysomycin A Attenuates Neuroinflammation by Down-Regulating NLRP3/Cleaved Caspase-1 Signaling Pathway in LPS-Stimulated Mice and BV2 Cells. International Journal of Molecular Sciences, 2021, 22, 6799.	1.8	16
1160	Immunotherapies for Neurodegenerative Diseases. Frontiers in Neurology, 2021, 12, 654739.	1,1	31
1161	Cognitive and brain cytokine profile of non-demented individuals with cerebral amyloid-beta deposition. Journal of Neuroinflammation, 2021, 18, 147.	3.1	11
1162	Andrographolide ameliorates neuroinflammation in APP/PS1 transgenic mice. International Immunopharmacology, 2021, 96, 107808.	1.7	18
1163	Interleukin-10 deficiency exacerbates inflammation-induced tau pathology. Journal of Neuroinflammation, 2021, 18, 161.	3.1	23

#	Article	IF	Citations
1164	Overexpression of TOLLIP Protects against Acute Kidney Injury after Paraquat Intoxication through Inhibiting NLRP3 Inflammasome Activation Modulated by Toll-Like Receptor 2/4 Signaling. Mediators of Inflammation, 2021, 2021, 1-14.	1.4	8
1165	Molecular Hydrogen as a Novel Protective Agent against Pre-Symptomatic Diseases. International Journal of Molecular Sciences, 2021, 22, 7211.	1.8	6
1166	Targeting Inflammasomes to Treat Neurological Diseases. Annals of Neurology, 2021, 90, 177-188.	2.8	46
1167	Small molecule approaches to treat autoimmune and inflammatory diseases (Part II): Nucleic acid sensing antagonists and inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 44, 128101.	1.0	7
1168	Safranal inhibits NLRP3 inflammasome activation by preventing ASC oligomerization. Toxicology and Applied Pharmacology, 2021, 423, 115582.	1.3	7
1169	Basal Forebrain Cholinergic Neurons: Linking Down Syndrome and Alzheimer's Disease. Frontiers in Aging Neuroscience, 2021, 13, 703876.	1.7	13
1170	Discovery of chalcone analogues as novel NLRP3 inflammasome inhibitors with potent anti-inflammation activities. European Journal of Medicinal Chemistry, 2021, 219, 113417.	2.6	17
1171	Activation of NLRP3 Inflammasome and Onset of Alzheimer's Disease. Frontiers in Immunology, 2021, 12, 701282.	2.2	40
1172	A phenotypic high-content, high-throughput screen identifies inhibitors of NLRP3 inflammasome activation. Scientific Reports, 2021, 11, 15319.	1.6	10
1174	The piperine derivative HJ105 inhibits Aβ1–42-induced neuroinflammation and oxidative damage via the Keap1-Nrf2-TXNIP axis. Phytomedicine, 2021, 87, 153571.	2.3	21
1175	NLRP3 Inflammasome Mediates Neurodegeneration in Rats with Chronic Neuropathic Pain. Shock, 2021, 56, 840-849.	1.0	11
1176	Depression of Pyroptosis by Inhibiting Caspase-1 Activation Improves Neurological Outcomes of Kernicterus Model Rats. ACS Chemical Neuroscience, 2021, 12, 2929-2939.	1.7	9
1177	Crosstalk Between Dysfunctional Mitochondria and Inflammation in Glaucomatous Neurodegeneration. Frontiers in Pharmacology, 2021, 12, 699623.	1.6	47
1178	Chronic colitis exacerbates NLRP3-dependent neuroinflammation and cognitive impairment in middle-aged brain. Journal of Neuroinflammation, 2021, 18, 153.	3.1	50
1179	Novel Therapeutic Approaches for Alzheimer's Disease: An Updated Review. International Journal of Molecular Sciences, 2021, 22, 8208.	1.8	62
1180	Inflammasomes as therapeutic targets in human diseases. Signal Transduction and Targeted Therapy, 2021, 6, 247.	7.1	105
1181	Fyn Kinase Activity and Its Role in Neurodegenerative Disease Pathology: a Potential Universal Target?. Molecular Neurobiology, 2021, 58, 5986-6005.	1.9	20
1182	Cellular and Molecular Effects of SARS-CoV-2 Linking Lung Infection to the Brain. Frontiers in Immunology, 2021, 12, 730088.	2.2	12

#	Article	IF	CITATIONS
1183	Inflammasomeâ€induced extracellular vesicles harbour distinct RNA signatures and alter bystander macrophage responses. Journal of Extracellular Vesicles, 2021, 10, e12127.	5.5	36
1184	Inflammation and Alzheimer's Disease: Mechanisms and Therapeutic Implications by Natural Products. Mediators of Inflammation, 2021, 2021, 1-21.	1.4	36
1185	Therapeutic plasma exchange with albumin: a new approach to treat Alzheimer's disease. Expert Review of Neurotherapeutics, 2021, 21, 843-849.	1.4	6
1186	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. Frontiers in Cellular Neuroscience, 2021, 15, 718324.	1.8	22
1187	Role of DPP-4 and SGLT2 Inhibitors Connected to Alzheimer Disease in Type 2 Diabetes Mellitus. Frontiers in Neuroscience, 2021, 15, 708547.	1.4	23
1188	Diphenyl pyrimidine exhibits protective effect on Staphylococcus aureus pneumonia in rat model by targeting NLRP3 expression. Microbial Pathogenesis, 2021, 161, 105168.	1.3	2
1189	A Novel Inhibitor Targeting NLRP3 Inflammasome Reduces Neuropathology and Improves Cognitive Function in Alzheimer's Disease Transgenic Mice. Journal of Alzheimer's Disease, 2021, 82, 1769-1783.	1.2	36
1190	Protective Effects of <i>Dendrobium nobile</i> Lindl. Alkaloids on Alzheimer's Disease-like Symptoms Induced by High-methionine Diet. Current Neuropharmacology, 2022, 20, 983-997.	1.4	12
1191	Highlighting Immune System and Stress in Major Depressive Disorder, Parkinson's, and Alzheimer's Diseases, with a Connection with Serotonin. International Journal of Molecular Sciences, 2021, 22, 8525.	1.8	18
1192	Targeting NLRP3 Inflammasome in Translational Treatment of Nervous System Diseases: An Update. Frontiers in Pharmacology, 2021, 12, 707696.	1.6	25
1193	Neuroinflammatory Signaling in the Pathogenesis of Alzheimer's Disease. Current Neuropharmacology, 2022, 20, 126-146.	1.4	28
1194	ML365 inhibits TWIK2 channel to block ATP-induced NLRP3 inflammasome. Acta Pharmacologica Sinica, 2022, 43, 992-1000.	2.8	11
1195	Immunohistochemical Study of ASC Expression and Distribution in the Hippocampus of an Aged Murine Model of Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 8697.	1.8	5
1196	Chronic lowâ€grade inflammation in heart failure with preserved ejection fraction. Aging Cell, 2021, 20, e13453.	3.0	33
1197	Microglial Calhm2 regulates neuroinflammation and contributes to Alzheimer's disease pathology. Science Advances, 2021, 7, .	4.7	49
1198	Anti-inflammatory Activity of a Polypeptide Fraction From Achyranthes bidentate in Amyloid β Oligomers Induced Model of Alzheimer's Disease. Frontiers in Pharmacology, 2021, 12, 716177.	1.6	7
1199	Palonosetron/Methyllycaconitine Deactivate Hippocampal Microglia 1, Inflammasome Assembly and Pyroptosis to Enhance Cognition in a Novel Model of Neuroinflammation. Molecules, 2021, 26, 5068.	1.7	9
1200	Basic Concepts in Immunobiology. , 2021, , 1-24.		0

#	Article	IF	Citations
1201	A Fluorine-19 Magnetic Resonance Probe, Shiga-Y5, Downregulates Thioredoxin-Interacting Protein Expression in the Brain of a Mouse Model of Alzheimer's Disease. Molecules, 2021, 26, 5342.	1.7	1
1202	Hyperbaric oxygen therapy alleviates vascular dysfunction and amyloid burden in an Alzheimer's disease mouse model and in elderly patients. Aging, 2021, 13, 20935-20961.	1.4	23
1203	Research Progress on Mechanism of Neuroprotective Roles of Apelin-13 in Prevention and Treatment of Alzheimer's Disease. Neurochemical Research, 2022, 47, 205-217.	1.6	13
1204	Sirtuins as Potential Therapeutic Targets for Mitigating Neuroinflammation Associated With Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2021, 15, 746631.	1.8	20
1205	Is the Exposome Involved in Brain Disorders through the Serotoninergic System?. Biomedicines, 2021, 9, 1351.	1.4	5
1206	Innate immunity receptors in depression and suicide: upregulated NOD-like receptors containing pyrin (NLRPs) and hyperactive inflammasomes in the postmortem brains of people who were depressed and died by suicide. Journal of Psychiatry and Neuroscience, 2021, 46, E538-E547.	1.4	16
1207	TBK1 and IKK $\hat{l}\mu$ act like an OFF switch to limit NLRP3 inflammasome pathway activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
1208	Synthetic amyloid-β oligomers drive early pathological progression of Alzheimer's disease in nonhuman primates. IScience, 2021, 24, 103207.	1.9	9
1209	Pyroptosis: A promising therapeutic target for noninfectious diseases. Cell Proliferation, 2021, 54, e13137.	2.4	22
1210	Alzheimer's Disease: A Molecular View of β-Amyloid Induced Morbific Events. Biomedicines, 2021, 9, 1126.	1.4	22
1211	The N-Formyl Peptide Receptor 2 (FPR2) Agonist MR-39 Improves Ex Vivo and In Vivo Amyloid Beta (1–42)-Induced Neuroinflammation in Mouse Models of Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 6203-6221.	1.9	10
1212	The Association of Periodontitis and Alzheimer's Disease: How to Hit Two Birds with One Stone. Journal of Alzheimer's Disease, 2021, 84, 1-21.	1.2	6
1213	NAD <sup>+</sup> supplementation reduces neuroinflammation and cell senescence in a transgenic mouse model of Alzheimer's disease via cGAS–STING. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	176
1214	The Impact of Ageing on the CNS Immune Response in Alzheimer's Disease. Frontiers in Immunology, 2021, 12, 738511.	2.2	11
1215	Proteopathic tau primes and activates interleukin- $1\hat{l}^2$ via myeloid-cell-specific MyD88- and NLRP3-ASC-inflammasome pathway. Cell Reports, 2021, 36, 109720.	2.9	42
1216	The AST-120 Recovers Uremic Toxin-Induced Cognitive Deficit via NLRP3 Inflammasome Pathway in Astrocytes and Microglia. Biomedicines, 2021, 9, 1252.	1.4	7
1217	BAD-mediated neuronal apoptosis and neuroinflammation contribute to Alzheimer's disease pathology. IScience, 2021, 24, 102942.	1.9	19
1218	The NLRP3 Inflammasome in the Pathogenesis and Treatment of Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 84, 579-598.	1.2	7

#	Article	IF	CITATIONS
1219	Manifestations and mechanisms of central nervous system damage caused by SARS-CoV-2. Brain Research Bulletin, 2021, 177, 155-163.	1.4	12
1220	Microglial NLRP3 Inflammasome Activation upon TLR2 and TLR5 Ligation by Distinct α-Synuclein Assemblies. Journal of Immunology, 2021, 207, 2143-2154.	0.4	53
1222	Morinda officinalis oligosaccharides alleviate depressiveâ€ike behaviors in postâ€stroke rats via suppressing NLRP3 inflammasome to inhibit hippocampal inflammation. CNS Neuroscience and Therapeutics, 2021, 27, 1570-1586.	1.9	28
1223	The combined effects of nucleotide-binding domain-like receptor protein 3 polymorphisms and levels of blood lead on developmental delays in preschool children. Journal of Hazardous Materials, 2022, 424, 127317.	6.5	0
1224	Immune modulations and immunotherapies for Alzheimer's disease: a comprehensive review. Reviews in the Neurosciences, 2022, 33, 365-381.	1.4	5
1225	Peripheral and central immune system crosstalk in Alzheimer disease — a research prospectus. Nature Reviews Neurology, 2021, 17, 689-701.	4.9	169
1226	Novel insights into RIPK1 as a promising target for future Alzheimer's disease treatment. , 2022, 231, 107979.		26
1227	Traumatic Brain Injury Accelerates the Onset of Cognitive Dysfunction and Aggravates Alzheimer's-Like Pathology in the Hippocampus by Altering the Phenotype of Microglia in the APP/PS1 Mouse Model. Frontiers in Neurology, 2021, 12, 666430.	1.1	1
1228	Saponins from Panax japonicus alleviate HFD-induced impaired behaviors through inhibiting NLRP3 inflammasome to upregulate AMPA receptors. Neurochemistry International, 2021, 148, 105098.	1.9	12
1230	NLRP3 Inflammasome: A Starring Role in Amyloid-β- and Tau-Driven Pathological Events in Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 83, 939-961.	1.2	55
1231	ER stress associated TXNIP-NLRP3 inflammasome activation in hippocampus of human Alzheimer's disease. Neurochemistry International, 2021, 148, 105104.	1.9	33
1232	Inhibition of NLRP3 inflammasome by glibenclamide attenuated dopaminergic neurodegeneration and motor deficits in paraquat and maneb-induced mouse Parkinsonâ $\in$ <sup>TM</sup> s disease model. Toxicology Letters, 2021, 349, 1-11.	0.4	20
1233	Vitexin regulates Epac and NLRP3 and ameliorates chronic cerebral hypoperfusion injury. Canadian Journal of Physiology and Pharmacology, 2021, 99, 1079-1087.	0.7	10
1234	Constitutive and latent immune mechanisms exert †silent†control of virus infections in the central nervous system. Current Opinion in Immunology, 2021, 72, 158-166.	2.4	9
1235	The NLRP3 inflammasome and COVID-19: Activation, pathogenesis and therapeutic strategies. Cytokine and Growth Factor Reviews, 2021, 61, 2-15.	3.2	91
1236	The role of NLRP3 in lead-induced neuroinflammation and possible underlying mechanism. Environmental Pollution, 2021, 287, 117520.	3.7	24
1237	The emerging roles of absent in melanoma 2 (AIM2) inflammasome in central nervous system disorders. Neurochemistry International, 2021, 149, 105122.	1.9	15
1238	High performance liquid chromatography tandem mass spectrometry (HPLC-MS/MS) method for detection and quantification of select NLRP3 inhibitors from brain tissue. Chemical Data Collections, 2021, 35, 100761.	1.1	1

#	Article	IF	Citations
1239	LncRNA 4344 promotes NLRP3-related neuroinflammation and cognitive impairment by targeting miRâ€138-5p. Brain, Behavior, and Immunity, 2021, 98, 283-298.	2.0	35
1240	Ginkgolide B inhibits NLRP3 inflammasome activation and promotes microglial M2 polarization in Al $^2$ 1-42-induced microglia cells. Neuroscience Letters, 2021, 764, 136206.	1.0	14
1241	The role of traditional Chinese medicine in the treatment of cognitive dysfunction in type 2 diabetes. Journal of Ethnopharmacology, 2021, 280, 114464.	2.0	14
1242	P2X7-deficiency improves plasticity and cognitive abilities in a mouse model of Tauopathy. Progress in Neurobiology, 2021, 206, 102139.	2.8	23
1243	The Nrf2-NLRP3-caspase-1 axis mediates the neuroprotective effects of Celastrol in Parkinson's disease. Redox Biology, 2021, 47, 102134.	3.9	65
1244	NOX2 activation contributes to cobalt nanoparticles-induced inflammatory responses and Tau phosphorylation in mice and microglia. Ecotoxicology and Environmental Safety, 2021, 225, 112725.	2.9	12
1245	Hypoxic preconditioning reduces NLRP3 inflammasome expression and protects against cerebral ischemia/reperfusion injury. Neural Regeneration Research, 2022, 17, 395.	1.6	10
1246	A Novel Treatment Strategy by Natural Products in NLRP3 Inflammasome-Mediated Neuroinflammation in Alzheimer's and Parkinson's Disease. International Journal of Molecular Sciences, 2021, 22, 1324.	1.8	33
1247	Small molecule therapeutics for neuroinflammation-mediated neurodegenerative disorders. RSC Medicinal Chemistry, 2021, 12, 871-886.	1.7	10
1248	Plasma-borne indicators of inflammasome activity in Parkinson's disease patients. Npj Parkinson's Disease, 2021, 7, 2.	2.5	34
1250	BAD-Mediated Neuronal Apoptosis and Neuroinflammation Contribute to Alzheimer's Disease Pathology. SSRN Electronic Journal, 0, , .	0.4	0
1251	Electroacupuncture Ameliorates Neuroinflammation-Mediated Cognitive Deficits through Inhibition of NLRP3 in Presenilin1/2 Conditional Double Knockout Mice. Neural Plasticity, 2021, 2021, 1-15.	1.0	12
1253	Tetrahydrobiopterin Improves Recognition Memory in the Triple-Transgenic Mouse Model of Alzheimer's Disease, Without Altering Amyloid-β and Tau Pathologies. Journal of Alzheimer's Disease, 2021, 79, 709-727.	1.2	11
1254	Aging-Dependent Mitophagy Dysfunction in Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 2362-2378.	1.9	25
1255	<i>Poria cocos</i> could ameliorate cognitive dysfunction in <scp>APP</scp> / <scp>PS1</scp> mice by restoring imbalance of $A\hat{I}^2$ production and clearance and gut microbiota dysbiosis. Phytotherapy Research, 2021, 35, 2678-2690.	2.8	14
1256	Inflammasomes. , 2016, , 619-633.		1
1257	Inflammation: major denominator of obesity, Type 2 diabetes and Alzheimer's disease-like pathology?. Clinical Science, 2020, 134, 547-570.	1.8	31
1258	Microglial autophagy defect causes parkinson disease-like symptoms by accelerating inflammasome activation in mice. Autophagy, 2020, 16, 2193-2205.	4.3	134

#	Article	IF	CITATIONS
1259	The NLRP3–inflammasome as a sensor of organelle dysfunction. Journal of Cell Biology, 2020, 219, .	2.3	79
1269	Hallmarks of NLRP3 inflammasome activation are observed in organotypic hippocampal slice culture. Immunology, 2020, 161, 39-52.	2.0	12
1270	Immunotherapy for neurodegeneration?. Science, 2019, 364, 130-131.	6.0	19
1271	Visceral adipose NLRP3 impairs cognition in obesity via IL-1R1 on CX3CR1+ cells. Journal of Clinical Investigation, 2020, 130, 1961-1976.	3.9	56
1272	CXCR3 promotes plaque formation and behavioral deficits in an Alzheimer's disease model. Journal of Clinical Investigation, 2015, 125, 365-378.	3.9	106
1273	Islet inflammation in type 2 diabetes and physiology. Journal of Clinical Investigation, 2017, 127, 14-23.	3.9	237
1274	Zerumbone ameliorates behavioral impairments and neuropathology in transgenic APP/PS1 mice by suppressing MAPK signaling. Journal of Neuroinflammation, 2020, 17, 61.	3.1	23
1275	G-protein-coupled estrogen receptor activation upregulates interleukin-1 receptor antagonist in the hippocampus after global cerebral ischemia: implications for neuronal self-defense. Journal of Neuroinflammation, 2020, 17, 45.	3.1	42
1276	Cognitive impact of COVID-19: looking beyond the short term. Alzheimer's Research and Therapy, 2020, 12, 170.	3.0	149
1277	Serum Amyloid A Induces NLRP-3-Mediated IL- $1\hat{l}^2$ Secretion in Neutrophils. PLoS ONE, 2014, 9, e96703.	1.1	44
1278	Coordinated Gene Expression of Neuroinflammatory and Cell Signaling Markers in Dorsolateral Prefrontal Cortex during Human Brain Development and Aging. PLoS ONE, 2014, 9, e110972.	1.1	44
1279	Prion Pathogenesis in the Absence of NLRP3/ASC Inflammasomes. PLoS ONE, 2015, 10, e0117208.	1.1	37
1280	NLRP3 Inflammasome Is Expressed and Functional in Mouse Brain Microglia but Not in Astrocytes. PLoS ONE, 2015, 10, e0130624.	1.1	289
1281	Baseline C-Reactive Protein Levels and Life Prognosis in Parkinson Disease. PLoS ONE, 2015, 10, e0134118.	1.1	51
1282	Amelioration of cognitive impairments in APPswe/PS1dE9 mice is associated with metabolites alteration induced by total salvianolic acid. PLoS ONE, 2017, 12, e0174763.	1.1	15
1283	Haematopoietic stem cell gene therapy with <scp>IL</scp> â€IRa rescues cognitive loss in mucopolysaccharidosis <scp>IIIA</scp> . EMBO Molecular Medicine, 2020, 12, e11185.	3.3	31
1284	Kainic acid Induces production and aggregation of amyloid $\hat{l}^2$ -protein and memory deficits by activating inflammasomes in NLRP3- and NF- $\hat{l}^\circ$ B-stimulated pathways. Aging, 2019, 11, 3795-3810.	1.4	24
1285	Kainic acid hyperphosphorylates tau via inflammasome activation in MAPT transgenic mice. Aging, 2019, 11, 10923-10938.	1.4	13

#	Article	IF	CITATIONS
1286	Friend or foe: the dichotomous impact of T cells on neuro-de/re-generation during aging. Oncotarget, 2017, 8, 7116-7137.	0.8	31
1287	The protective effect of Epimedii Folium and Curculiginis Rhizoma on Alzheimer's disease by the inhibitions of NF-κB/MAPK pathway and NLRP3 inflammasome. Oncotarget, 2017, 8, 43709-43720.	0.8	32
1288	Celastrol ameliorates inflammation through inhibition of NLRP3 inflammasome activation. Oncotarget, 2017, 8, 67300-67314.	0.8	40
1289	Curcuminoid submicron particle ameliorates cognitive deficits and decreases amyloid pathology in Alzheimer's disease mouse model. Oncotarget, 2018, 9, 10681-10697.	0.8	18
1290	Splenocytes derived from young WT mice prevent AD progression in APPswe/PSENIdE9 transgenic mice. Oncotarget, 2015, 6, 20851-20862.	0.8	17
1291	Anti-inflammatory microglial cell function in the light of the latest scientific research. Annales Academiae Medicae Silesiensis, 2015, 69, 99-110.	0.1	4
1292	Innate immune activation in Alzheimer's disease. Annals of Translational Medicine, 2018, 6, 177-177.	0.7	64
1293	Microglial priming in Alzheimer's disease. Annals of Translational Medicine, 2018, 6, 176-176.	0.7	<b>7</b> 5
1294	Meningeal lymphatics in aging and Alzheimer's disease. Annals of Translational Medicine, 2019, 7, S2-S2.	0.7	6
1295	Neuroprotective Effects of Flavonoid Compounds on Neuronal Death Associated to Alzheimer's Disease. Current Medicinal Chemistry, 2019, 26, 5124-5136.	1.2	20
1296	Inflammasome Activation in Chronic Glomerular Diseases. Current Drug Targets, 2017, 18, 1019-1029.	1.0	44
1297	Neuroinflammation in Alzheimer's Disease: Microglia, Molecular Participants and Therapeutic Choices. Current Alzheimer Research, 2019, 16, 659-674.	0.7	34
1298	Microglia in Alzheimer's Disease. Current Alzheimer Research, 2020, 17, 29-43.	0.7	13
1299	Microglia and Astrocytes in Alzheimer's Disease: Implications for Therapy. Current Neuropharmacology, 2018, 16, 508-518.	1.4	326
1300	The Links between Cardiovascular Diseases and Alzheimer's Disease. Current Neuropharmacology, 2020, 19, 152-169.	1.4	23
1301	Link Between Chronic Bacterial Inflammation and Alzheimer Disease. CNS and Neurological Disorders - Drug Targets, 2014, 13, 1140-1147.	0.8	48
1302	Formononetin Ameliorates Cognitive Disorder via PGC-1α Pathway in Neuroinflammation Conditions in High-Fat Diet-Induced Mice. CNS and Neurological Disorders - Drug Targets, 2019, 18, 566-577.	0.8	22
1303	Inflammasome-Mediated Inflammation in Neurodegenerative Diseases. The Open Neurology Journal, 2019, 13, 55-62.	0.4	2

#	Article	IF	Citations
1304	Inhibition of Early Upstream Events in Prodromal Alzheimer's Disease by Use of Targeted Antioxidants. Current Aging Science, 2014, 7, 77-90.	0.4	19
1305	Spectrum of Genetic Autoinflammatory Diseases Presenting with Cutaneous Symptoms. Acta Dermato-Venereologica, 2020, 100, adv00091-151.	0.6	9
1306	Two Roads Converging: Mitochondria and Inflammatory Signaling. Clinical Immunolgy & Immunotherapy, 2014, 1, 1-7.	0.2	2
1307	Nutraceutical Strategies for Suppressing NLRP3 Inflammasome Activation: Pertinence to the Management of COVID-19 and Beyond. Nutrients, 2021, 13, 47.	1.7	37
1308	Effectiveness of Osthole on Uric Acid Crystal-induced Acute Gouty Arthritis Through the Inhibition of NLRP3 Inflammasome. International Journal of Pharmacology, 2018, 14, 1169-1178.	0.1	7
1309	Role of pro-inflammatory cytokines released from microglia in Alzheimer's disease. Annals of Translational Medicine, 2015, 3, 136.	0.7	593
1310	Distinguishing normal brain aging from the development of Alzheimer's disease: inflammation, insulin signaling and cognition. Neural Regeneration Research, 2018, 13, 1719.	1.6	59
1311	Downregulation of signal transduction and STAT3 expression exacerbates oxidative stress mediated by NLRP3 inflammasome. Neural Regeneration Research, 2018, 13, 2147.	1.6	19
1312	Shifting equilibriums in Alzheimer's disease: the complex roles of microglia in neuroinflammation, neuronal survival and neurogenesis. Neural Regeneration Research, 2020, 15, 1208.	1.6	49
1313	Role of the NLRP3 inflammasome in neurodegenerative diseases and therapeutic implications. Neural Regeneration Research, 2020, 15, 1249.	1.6	31
1314	Neurochemicals, Behaviours and Psychiatric Perspectives of Neurological Diseases. Neuropsychiatry, 2018, 08, .	0.4	16
1315	Experimental autoimmune encephalomyelitis in the common marmoset: a translationally relevant model for the cause and course of multiple sclerosis. Primate Biology, 2019, 6, 17-58.	0.6	11
1316	Emerging perspectives on mitochondrial dysfunction and inflammation in Alzheimer's disease. BMB Reports, 2020, 53, 35-46.	1.1	44
1317	Role of inflammasome regulation on immune modulators. Journal of Biomedical Research, 2018, 32, 401.	0.7	23
1318	Therapeutic potential of garlic chive-derived vesicle-like nanoparticles in NLRP3 inflammasome-mediated inflammatory diseases. Theranostics, 2021, 11, 9311-9330.	4.6	38
1319	Platelet Behavior Contributes to Neuropathologies: A Focus on Alzheimer's and Parkinson's Disease. Seminars in Thrombosis and Hemostasis, 2021, , .	1.5	4
1320	Role of Extracellular Vesicles in Cell Death and Inflammation. Cells, 2021, 10, 2663.	1.8	33
1321	The Role of Microglia in the Development of Neurodegenerative Diseases. Biomedicines, 2021, 9, 1449.	1.4	18

#	Article	IF	Citations
1322	Behavioral alterations in long-term Toxoplasma gondii infection of C57BL/6 mice are associated with neuroinflammation and disruption of the blood brain barrier. PLoS ONE, 2021, 16, e0258199.	1.1	11
1323	Research Progress of Mitochondrial Mechanism in NLRP3 Inflammasome Activation and Exercise Regulation of NLRP3 Inflammasome. International Journal of Molecular Sciences, 2021, 22, 10866.	1.8	15
1324	Modulation of cGAS-STING Pathway by Nicotinamide Riboside in Alzheimer's Disease. Rejuvenation Research, 2021, 24, 397-402.	0.9	13
1325	Dementia Risk among Coronavirus Disease Survivors: A Nationwide Cohort Study in South Korea. Journal of Personalized Medicine, 2021, 11, 1015.	1.1	9
1326	Crystal Structure of NLRP3 NACHT Domain With an Inhibitor Defines Mechanism of Inflammasome Inhibition. Journal of Molecular Biology, 2021, 433, 167309.	2.0	74
1327	TREM2 modulates differential deposition of modified and non-modified ${\rm A}\hat{\rm I}^2$ species in extracellular plaques and intraneuronal deposits. Acta Neuropathologica Communications, 2021, 9, 168.	2.4	12
1328	Astaxanthin attenuates contrast-induced acute kidney injury in rats via ROS/NLRP3 inflammasome. International Urology and Nephrology, 2022, 54, 1355-1364.	0.6	6
1329	Molecular biology of autoinflammatory diseases. Inflammation and Regeneration, 2021, 41, 33.	1.5	11
1330	HMGB1 mediates cognitive impairment caused by the NLRP3 inflammasome in the late stage of traumatic brain injury. Journal of Neuroinflammation, 2021, 18, 241.	3.1	25
1332	Therapeutic potential of Nlrp1 inflammasome, Caspase-1, or Caspase-6 against Alzheimer disease cognitive impairment. Cell Death and Differentiation, 2022, 29, 657-669.	5.0	18
1333	Instructions for Flow Cytometric Detection of ASC Specks as a Readout of Inflammasome Activation in Human Blood. Cells, 2021, 10, 2880.	1.8	4
1335	Inflammasomes. , 2013, , 1-15.		0
1336	Pattern Recognition Receptors and Aging. , 2014, , 87-143.		0
1337	Microglia in the Alzheimers brain: a help or a hindrance?. AIMS Neuroscience, 2014, 1, 210-224.	1.0	0
1338	General Pathophysiology of Neuroglia: Neurological and Psychiatric Disorders as Gliopathies. , 2014, , 1-12.		1
1339	Roles in Immune Responses. , 2014, , 115-144.		0
1343	Glial Cells., 2015,, 1-12.		0
1344	Research Progress of APP/PS1 Mice on Neuronal Apoptosis. Pharmacy Information, 2016, 05, 14-18.	0.1	0

#	Article	IF	Citations
1345	Glial Cells., 2016,, 527-537.		0
1346	Care Giving As a Chronic Psychosocial Distress: Neuroinflammation Trajectory. Egyptian Journal of Geriatrics and Gerontology, 2016, 3, 1-10.	0.1	0
1347	The Role of M1/M2 Transition of the Brain Macrophages in Alzheimer's Disease. IOSR Journal of Pharmacy and Biological Sciences, 2016, 11, 72-78.	0.1	1
1348	Ketone Supplementation for Health and Disease. , 2016, , .		O
1349	Neuroprotective Strategies via Modulation of Innate Immune Receptors. Springer Series in Translational Stroke Research, 2017, , 285-292.	0.1	0
1350	Inflammasomes in Myeloid Cells: Warriors Within. , 0, , 305-324.		0
1351	The Increase of the Pro-inflammatory Double Negative (IgDâ^'CD27â^') B Cell Subset Is Related to the Severity of Alzheimer's Disease. , 2018, , 1-13.		0
1353	Genetic mitochondrial glycine amidinotransferase protein aggregate formation triggers microparticle sensing and kidney failure. Annals of Translational Medicine, 2018, 6, 315-315.	0.7	O
1355	Proteopathic Tau Primes and Activates Interleukin- $1\tilde{A}\ddot{Y}(II-1\tilde{A}\ddot{Y})$ via MyD88- and NLRP3-ASC-Inflammasome Dependent Pathways. SSRN Electronic Journal, 0, , .	0.4	2
1356	The Increase of the Pro-inflammatory Double Negative (IgDâ^'CD27â^') B Cell Subset Is Related to the Severity of Alzheimer's Disease. , 2019, , 2305-2317.		0
1357	Glutathione Transferase Omega-1 Regulates NLRP3 Inflammasome Activation Through NEK7 Deglutathionylation. SSRN Electronic Journal, 0, , .	0.4	0
1358	Novel Somatostatin Receptor Subtypeâ€4 Agonist Mitigates Microglia Inflammatory Activation. FASEB Journal, 2019, 33, 501.3.	0.2	O
1364	Investigating Markers of the NLRP3 Inflammasome Pathway in Alzheimer's Disease: A Human Post-Mortem Study. Genes, 2021, 12, 1753.	1.0	11
1365	NLRP3 Inflammasome Blocking as a Potential Treatment of Central Insulin Resistance in Early-Stage Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 11588.	1.8	11
1366	Alzheimer's Disease, Sleep Disordered Breathing, and Microglia: Puzzling out a Common Link. Cells, 2021, 10, 2907.	1.8	10
1367	Monocytes in central nervous system remyelination. Glia, 2022, 70, 797-807.	2.5	5
1369	Dissecting the Crosstalk between Endothelial Mitochondrial Damage, Vascular Inflammation, and Neurodegeneration in Cerebral Amyloid Angiopathy and Alzheimer's Disease. Cells, 2021, 10, 2903.	1.8	36
1372	Apoptosis, necroptosis, and pyroptosis in health and disease. , 2022, , 1-46.		0

#	Article	IF	CITATIONS
1374	Inflammasomes: Role in Disease Pathogenesis and Therapeutic Potential. UÄenye Zapiski Kazanskogo Gosudarstvennogo Universiteta: Seriâ Estestvennye Nauki, 2020, 162, 80-111.	0.1	2
1375	Pharmacology of Gasotransmitters (Nitric Oxide and Carbon Monoxide) and Their Action. , 2020, , 579-617.		1
1376	Genomics of Alzheimer's disease. , 2020, , 3-18.		0
1380	Association between Nodâ€'like receptor protein 3 inflammasome and gouty nephropathy. Experimental and Therapeutic Medicine, 2020, 20, 195-204.	0.8	5
1381	Activation of NLRP3-Caspase-1 pathway contributes to age-related impairments in cognitive function and synaptic plasticity. Neurochemistry International, 2022, 152, 105220.	1.9	6
1382	Microglia and its Genetics in Alzheimer's Disease. Current Alzheimer Research, 2021, 18, 676-688.	0.7	10
1383	An Epigenetic Insight into NLRP3 Inflammasome Activation in Inflammation-Related Processes. Biomedicines, 2021, 9, 1614.	1.4	20
1384	The roles of mitochondrial dynamics and NLRP3 inflammasomes in the pathogenesis of retinal light damage. Annals of the New York Academy of Sciences, 2022, 1508, 78-91.	1.8	13
1386	Alzheimer's Disease Neuroprotection: Associated Receptors. , 0, , .		0
1387	Pathways to neurodegeneration: mechanistic insights from GWAS in Alzheimer's disease, Parkinson's disease, and related disorders. American Journal of Neurodegenerative Disease, 2013, 2, 145-75.	0.1	116
1388	The Role of Damage-Associated Molecular Patterns (DAMPs) in Human Diseases: Part II: DAMPs as diagnostics, prognostics and therapeutics in clinical medicine. Sultan Qaboos University Medical Journal, 2015, 15, e157-70.	0.3	97
1389	Neural stem/progenitor cells in Alzheimer's disease. Yale Journal of Biology and Medicine, 2016, 89, 23-35.	0.2	47
1390	Inflammasome in drug abuse. International Journal of Physiology, Pathophysiology and Pharmacology, 2017, 9, 165-177.	0.8	4
1391	Research progress of the relationship between pyroptosis and disease. American Journal of Translational Research (discontinued), 2018, 10, 2213-2219.	0.0	18
1393	Clustering of activated microglia occurs before the formation of dystrophic neurites in the evolution of ${\sf A}\hat{\sf I}^2$ plaques in Alzheimer's disease. Free Neuropathology, 2020, 1, .	2.4	2
1394	Innate Immunity and Cell Death in Alzheimer's Disease. ASN Neuro, 2021, 13, 17590914211051908.	1.5	1
1395	Cannabidiol Inhibits the Pore-Forming Activity of Gasdermin D in Sepsis. SSRN Electronic Journal, 0, , .	0.4	0
1396	Role of caspases, apoptosis and additional factors in pathology of Alzheimer's disease., 2022,, 69-151.		2

#	Article	IF	CITATIONS
1397	Immunopharmacology of Alzheimer's disease. , 2022, , 277-298.		0
1398	Microglia in Alzheimer's Disease: A Target for Therapeutic Intervention. Frontiers in Cellular Neuroscience, 2021, 15, 749587.	1.8	43
1399	Beneficial Effects on Brain Micro-Environment by Caloric Restriction in Alleviating Neurodegenerative Diseases and Brain Aging. Frontiers in Physiology, 2021, 12, 715443.	1.3	8
1400	Pyroptosis, and its Role in Central Nervous System Disease. Journal of Molecular Biology, 2022, 434, 167379.	2.0	39
1401	PEG-PEI/siROCK2 inhibits A $\hat{1}^2$ 42-induced microglial inflammation via NLRP3/caspase 1 pathway. NeuroReport, 2022, 33, 26-32.	0.6	8
1402	Inflammasome activation in neurodegenerative diseases. Essays in Biochemistry, 2021, 65, 885-904.	2.1	23
1403	Sex Differences in Behavior and Molecular Pathology in the 5XFAD Model. Journal of Alzheimer's Disease, 2022, 85, 755-778.	1.2	27
1404	Microglial PDâ€1 stimulation by astrocytic PDâ€11 suppresses neuroinflammation and Alzheimer's disease pathology. EMBO Journal, 2021, 40, e108662.	3.5	41
1405	Pharmacological and Epigenetic Regulators of NLRP3 Inflammasome Activation in Alzheimer's Disease. Pharmaceuticals, 2021, 14, 1187.	1.7	17
1406	Upregulation of TRPC5 in hippocampal excitatory synapses improves memory impairment associated with neuroinflammation in microglia knockout IL-10 mice. Journal of Neuroinflammation, 2021, 18, 275.	3.1	6
1407	Inflammasome Inhibitors. Molecules, 2021, 26, 6912.	1.7	1
1409	Inflammatory Response Modulation by Vitamin C in an MPTP Mouse Model of Parkinson's Disease. Biology, 2021, 10, 1155.	1.3	17
1410	Hypothesis: Modulation of microglial phenotype in Alzheimer's disease drives neurodegeneration. Alzheimer's and Dementia, 2021, , .	0.4	2
1411	At the intersection of sulfur redox chemistry, cellular signal transduction and proteostasis: A useful perspective from which to understand and treat neurodegeneration. Free Radical Biology and Medicine, 2022, 178, 161-173.	1.3	8
1412	Systemic inflammasome activation and pyroptosis associate with the progression of amnestic mild cognitive impairment and Alzheimer's disease. Journal of Neuroinflammation, 2021, 18, 280.	3.1	33
1413	Sevoflurane Promotes Neurodegeneration Through Inflammasome Formation in APP/PS1 Mice. Frontiers in Neuroscience, 2021, 15, 647136.	1.4	3
1414	Downregulating expression of OPTN elevates neuroinflammation via AIM2 inflammasome- and RIPK1-activating mechanisms in APP/PS1 transgenic mice. Journal of Neuroinflammation, 2021, 18, 281.	3.1	21
1415	Reviewing the importance of TLRâ€NLRP3â€pyroptosis pathway and mechanism of experimental NLRP3 inflammasome inhibitors. Scandinavian Journal of Immunology, 2022, 95, e13124.	1.3	22

#	ARTICLE	IF	CITATIONS
1416	Innate Immunity and Cell Death in Alzheimer's Disease. ASN Neuro, 2021, 13, 175909142110519.	1.5	19
1417	Curcumin suppresses neuroinflammation to protect neurons by preventing NLRP3 inflammasome activation. European Journal of Inflammation, 2021, 19, 205873922110586.	0.2	3
1418	Inflammation in obesity, diabetes, and related disorders. Immunity, 2022, 55, 31-55.	6.6	489
1419	Identification of NLRP3 as a covalent target of 1,6-O,O-diacetylbritannilactone against neuroinflammation by quantitative thiol reactivity profiling (QTRP). Bioorganic Chemistry, 2022, 119, 105536.	2.0	4
1420	Potential role of Drug Repositioning Strategy (DRS) for management of tauopathy. Life Sciences, 2022, 291, 120267.	2.0	4
1421	Visceral adiposity, inflammation, and hippocampal function in obesity. Neuropharmacology, 2022, 205, 108920.	2.0	14
1422	Crocin alleviates cognitive impairment associated with atherosclerosis via improving neuroinflammation in <scp>LDLR</scp> <sup>â^²/â^²</sup> mice fed a highâ€fat/cholesterol diet. Phytotherapy Research, 2022, 36, 1284-1296.	2.8	12
1423	Ginkgolide B inactivates the NLRP3 inflammasome by promoting autophagic degradation to improve learning and memory impairment in Alzheimer's disease. Metabolic Brain Disease, 2022, 37, 329-341.	1.4	11
1424	Inflammasome Signaling in the Aging Brain and Age-Related Neurodegenerative Diseases. Molecular Neurobiology, 2022, 59, 2288-2304.	1.9	22
1425	Fighting fire with fire: The immune system might be key in our fight against Alzheimer's disease. Drug Discovery Today, 2022, 27, 1261-1283.	3.2	10
1426	Cytoplasmic Sensing in Innate Immunity. , 2022, , .		0
1427	Trikafta Rescues CFTR and Lowers Monocyte P2X7R-induced Inflammasome Activation in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 783-794.	2.5	26
1428	Targeting NLRP3 signaling by a novel-designed sulfonylurea compound for inhibition of microglial inflammation. Bioorganic and Medicinal Chemistry, 2022, 58, 116645.	1.4	9
1429	Can SARS-CoV-2 Infection Exacerbate Alzheimer's Disease? An Overview of Shared Risk Factors and Pathogenetic Mechanisms. Journal of Personalized Medicine, 2022, 12, 29.	1.1	17
1430	Severe Gestational Low-Protein Intake Impacts Hippocampal Cellularity, Tau, and Amyloid-β Levels, and Memory Performance in Male Adult Offspring: An Alzheimer-Simile Disease Model?. Journal of Alzheimer's Disease Reports, 2022, 6, 17-30.	1.2	5
1431	Loss of TREM2 rescues hyperactivation of microglia, but not lysosomal deficits and neurotoxicity in models of progranulin deficiency. EMBO Journal, 2022, 41, e109108.	3.5	38
1433	Inhibition of NLRP3 Alleviated Chemotherapy-Induced Cognitive Impairment in Rats. SSRN Electronic Journal, 0, , .	0.4	0
1434	Fingolimod Rescues Memory and Improves Pathological Hallmarks in the 3xTg-AD Model of Alzheimer's Disease. Molecular Neurobiology, 2022, 59, 1882-1895.	1.9	15

#	Article	IF	CITATIONS
1435	Bi-Directional Relationship Between Autophagy and Inflammasomes in Neurodegenerative Disorders. Cellular and Molecular Neurobiology, 2023, 43, 115-137.	1.7	3
1436	Piperlongumine Is an NLRP3 Inhibitor With Anti-inflammatory Activity. Frontiers in Pharmacology, 2021, 12, 818326.	1.6	7
1437	Enantioselective Synthesis and Pharmacological Evaluation of Aza-CGP37157–Lipoic Acid Hybrids for the Treatment of Alzheimer's Disease. Antioxidants, 2022, 11, 112.	2.2	1
1438	White matter edematous change with moderate vascular lesions in pretreated acute stage of leukoencephalopathy with cerebral amyloid angiopathy. Neuropathology, 2022, , .	0.7	0
1439	Targeting the immune system towards novel therapeutic avenues to fight brain aging and neurodegeneration. European Journal of Neuroscience, 2022, 56, 5413-5427.	1.2	2
1440	Isolates of Salmonella typhimurium circumvent NLRP3 inflammasome recognition in macrophages during the chronic phase of infection. Journal of Biological Chemistry, 2022, 298, 101461.	1.6	1
1441	The Impact of Systemic Inflammation on Alzheimer's Disease Pathology. Frontiers in Immunology, 2021, 12, 796867.	2.2	79
1442	Sevoflurane Aggravates the Progress of Alzheimer's Disease Through NLRP3/Caspase-1/Gasdermin D Pathway. Frontiers in Cell and Developmental Biology, 2021, 9, 801422.	1.8	17
1443	TRPV1 Suppressed NLRP3 Through Regulating Autophagy in Microglia After Ischemia-Reperfusion Injury. Journal of Molecular Neuroscience, 2022, 72, 792-801.	1.1	6
1445	The roles of Eph receptors, neuropilin-1, P2X7, and CD147 in COVID-19-associated neurodegenerative diseases: inflammasome and JaK inhibitors as potential promising therapies. Cellular and Molecular Biology Letters, 2022, 27, 10.	2.7	63
1446	Crosstalk Between the NLRP3 Inflammasome/ASC Speck and Amyloid Protein Aggregates Drives Disease Progression in Alzheimer's and Parkinson's Disease. Frontiers in Molecular Neuroscience, 2022, 15, 805169.	1.4	15
1447	Repetitive Mild Closed Head Injury in Adolescent Mice Is Associated with Impaired Proteostasis, Neuroinflammation, and Tauopathy. Journal of Neuroscience, 2022, 42, 2418-2432.	1.7	9
1448	Neuroinflammation in Gaucher disease, neuronal ceroid lipofuscinosis, and commonalities with Parkinson's disease. Brain Research, 2022, 1780, 147798.	1.1	8
1449	FEN1-Generated Oxidized DNA Fragments Escape Mitochondria via mPTP- and VDAC-Dependent Channels to License NLRP3 Inflammasome and STING Activation. SSRN Electronic Journal, 0, , .	0.4	3
1450	Idebenone Regulates $\hat{A}^2$ and LPS-Induced Neurogliosis and Cognitive Function Through Inhibition of NLRP3 Inflammasome/IL- $\hat{I}^2$ Axis Activation. Frontiers in Immunology, 2022, 13, 749336.	2.2	11
1451	Inhibition of caspase-1 ameliorates tauopathy and rescues cognitive impairment in SAMP8 mice. Metabolic Brain Disease, 2022, 37, 1197-1205.	1.4	4
1452	Evaluation of mild cognitive impairment genetic susceptibility risks in a Chinese population. BMC Psychiatry, 2022, 22, 93.	1.1	0
1453	Role of Mitochondrial Nucleic Acid Sensing Pathways in Health and Patho-Physiology. Frontiers in Cell and Developmental Biology, 2022, 10, 796066.	1.8	14

#	Article	IF	CITATIONS
1454	Alcohol-Induced Neuroinflammatory Response and Mitochondrial Dysfunction on Aging and Alzheimer's Disease. Frontiers in Behavioral Neuroscience, 2021, 15, 778456.	1.0	10
1455	Discovery of a novel and potent inhibitor with differential species-specific effects against NLRP3 and AIM2 inflammasome-dependent pyroptosis. European Journal of Medicinal Chemistry, 2022, 232, 114194.	2.6	19
1456	Central nervous system macrophages in progressive multiple sclerosis: relationship to neurodegeneration and therapeutics. Journal of Neuroinflammation, 2022, 19, 45.	3.1	51
1457	The Therapeutic Prospects of Targeting IL-1R1 for the Modulation of Neuroinflammation in Central Nervous System Disorders. International Journal of Molecular Sciences, 2022, 23, 1731.	1.8	14
1458	Microglia in Alzheimer's Disease: An Unprecedented Opportunity as Prospective Drug Target. Molecular Neurobiology, 2022, 59, 2678-2693.	1.9	17
1459	Targeting MicroRNA-485-3p Blocks Alzheimer's Disease Progression. International Journal of Molecular Sciences, 2021, 22, 13136.	1.8	20
1461	Concurrent suppression of $\hat{Al^2}$ aggregation and NLRP3 inflammasome activation for treating Alzheimer's disease. Chemical Science, 2022, 13, 2971-2980.	3.7	13
1462	Galvanic current activates the NLRP3 inflammasome to promote Type I collagen production in tendon. ELife, 2022, 11, .	2.8	8
1463	The Role of NLRP3 Inflammasome in Alzheimer's Disease and Potential Therapeutic Targets. Frontiers in Pharmacology, 2022, 13, 845185.	1.6	42
1464	Novel Small-Molecule Inhibitor of NLRP3 Inflammasome Reverses Cognitive Impairment in an Alzheimer's Disease Model. ACS Chemical Neuroscience, 2022, 13, 818-833.	1.7	12
1465	Caspase-1 variant influencing CSF tau and FDG PET levels in non-demented elders from the ADNI cohort. BMC Neurology, 2022, 22, 59.	0.8	1
1466	Impaired insulin signalling and allostatic load in Alzheimer disease. Nature Reviews Neuroscience, 2022, 23, 215-230.	4.9	72
1467	An RRx-001 Analogue With Potent Anti-NLRP3 Inflammasome Activity but Without High-Energy Nitro Functional Groups. Frontiers in Pharmacology, 2022, 13, 822833.	1.6	4
1469	The <scp>NLRP3</scp> inflammasome modulates tau pathology and neurodegeneration in a tauopathy model. Glia, 2022, 70, 1117-1132.	2.5	22
1470	Cardiovascular Inflammaging: Mechanisms and Translational Aspects. Cells, 2022, 11, 1010.	1.8	25
1471	Transcriptional response of murine microglia in Alzheimer's disease and inflammation. BMC Genomics, 2022, 23, 183.	1.2	11
1472	Motoneuronal inflammasome activation triggers excessive neuroinflammation and impedes regeneration after sciatic nerve injury. Journal of Neuroinflammation, 2022, 19, 68.	3.1	12
1473	The ketone body $\hat{l}^2$ -hydroxybutyrate alleviates CoCrMo alloy particles induced osteolysis by regulating NLRP3 inflammasome and osteoclast differentiation. Journal of Nanobiotechnology, 2022, 20, 120.	4.2	21

#	Article	IF	CITATIONS
1474	Structural basis for the oligomerization-mediated regulation of NLRP3 inflammasome activation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121353119.	3.3	50
1475	Waste Clearance in the Brain and Neuroinflammation: A Novel Perspective on Biomarker and Drug Target Discovery in Alzheimer's Disease. Cells, 2022, 11, 919.	1.8	12
1476	The potential convergence of NLRP3 inflammasome, potassium, and dopamine mechanisms in Parkinson's disease. Npj Parkinson's Disease, 2022, 8, 32.	2.5	19
1477	Monocyte NLRP3â€ILâ€I <i>β</i> Hyperactivation Mediates Neuronal and Synaptic Dysfunction in Perioperative Neurocognitive Disorder. Advanced Science, 2022, 9, e2104106.	5.6	5
1478	Role of Oxysterols in the Activation of the NLRP3 Inflammasome as a Potential Pharmacological Approach in Alzheimer's Disease. Current Neuropharmacology, 2023, 21, 202-212.	1.4	1
1479	Microglial activation in Alzheimer's disease: The role of flavonoids and microRNAs. Journal of Leukocyte Biology, 2022, 112, 47-77.	1.5	7
1480	Targeting NLRP3 Inflammasome With Nrf2 Inducers in Central Nervous System Disorders. Frontiers in Immunology, 2022, 13, 865772.	2.2	26
1481	The Role of Immunity in Alzheimer's Disease. Advanced Biology, 2022, , 2101166.	1.4	10
1482	Lipoprotein-Inspired Nanoscavenger for the Three-Pronged Modulation of Microglia-Derived Neuroinflammation in Alzheimer's Disease Therapy. Nano Letters, 2022, 22, 2450-2460.	4.5	22
1483	Jiedu-Yizhi Formula Improves Cognitive Impairment in an Aβ25–35-Induced Rat Model of Alzheimer's Disease by Inhibiting Pyroptosis. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-14.	0.5	7
1484	Microglia in Alzheimer's Disease: a Key Player in the Transition Between Homeostasis and Pathogenesis. Neurotherapeutics, 2022, 19, 186-208.	2.1	19
1485	CCDC50 suppresses NLRP3 inflammasome activity by mediating autophagic degradation of NLRP3. EMBO Reports, 2022, 23, e54453.	2.0	10
1486	Parasitomimetics: Can We Utilize Parasite-Derived Immunomodulatory Molecules for Interventions to Immunological Disorders?. Frontiers in Immunology, 2022, 13, 824695.	2.2	1
1487	Mechanistic Insights into Selective Autophagy Subtypes in Alzheimer's Disease. International Journal of Molecular Sciences, 2022, 23, 3609.	1.8	14
1488	Oleuropein-Rich Olive Leaf Extract Attenuates Neuroinflammation in the Alzheimer's Disease Mouse Model. ACS Chemical Neuroscience, 2022, 13, 1002-1013.	1.7	14
1489	Ketone Supplementation for Health and Disease. , 2022, , 392-422.		0
1490	Klotho an Autophagy Stimulator as a Potential Therapeutic Target for Alzheimer's Disease: A Review. Biomedicines, 2022, 10, 705.	1.4	13
1491	Enhanced expression of autophagyâ€related p62 without increased deposits of neurodegenerationâ€associated proteins in glioblastoma and surrounding tissue – An autopsyâ€based study. Brain Pathology, 2022, 32, e13058.	2.1	5

#	Article	IF	CITATIONS
1492	Localization of Thioredoxin-Interacting Protein in Aging and Alzheimer's Disease Brains. NeuroSci, 2022, 3, 166-185.	0.4	0
1493	The bidirectional lung brain-axis of amyloid- $\hat{l}^2$ pathology: ozone dysregulates the peri-plaque microenvironment. Brain, 2023, 146, 991-1005.	3.7	17
1494	Pyroptosis in neurodegenerative diseases: What lies beneath the tip of the iceberg?. International Reviews of Immunology, 2023, 42, 258-273.	1.5	3
1495	GPCR19 Regulates P2X7R-Mediated NLRP3 Inflammasomal Activation of Microglia by Amyloid β in a Mouse Model of Alzheimer's Disease. Frontiers in Immunology, 2022, 13, 766919.	2.2	10
1496	Soluble TREM2 in CSF and its association with other biomarkers and cognition in autosomal-dominant Alzheimer's disease: a longitudinal observational study. Lancet Neurology, The, 2022, 21, 329-341.	4.9	72
1497	NLRP3 inflammasome of microglia promotes A1 astrocyte transformation, neo-neuron decline and cognition impairment in endotoxemia. Biochemical and Biophysical Research Communications, 2022, 602, 1-7.	1.0	11
1498	Diverse pathways to neuronal necroptosis in Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5428-5441.	1.2	13
1499	The Role of Osteopontin in Microglia Biology: Current Concepts and Future Perspectives. Biomedicines, 2022, 10, 840.	1.4	30
1500	Blocking the NLRP3 inflammasome reduces osteogenic calcification and M1 macrophage polarization in a mouse model of calcified aortic valve stenosis. Atherosclerosis, 2022, 347, 28-38.	0.4	21
1501	Acute exposure to phthalates during recovery from a myocardial infarction induces greater inflammasome activation in male C57bl/6N mice. Toxicology and Applied Pharmacology, 2022, 440, 115954.	1.3	4
1502	The role of Cl <sup>â^'</sup> and K <sup>+</sup> efflux in NLRP3 inflammasome and innate immune response activation. American Journal of Physiology - Cell Physiology, 2022, 322, C645-C652.	2.1	14
1503	Positive feedback regulation of microglial glucose metabolism by histone H4 lysine 12 lactylation in Alzheimer's disease. Cell Metabolism, 2022, 34, 634-648.e6.	7.2	152
1504	Treadmill Exercise Promotes Microglial Î <sup>2</sup> -Amyloid Clearance and Prevents Cognitive Decline in APP/PS1 Mice. Neuroscience, 2022, 491, 122-133.	1.1	4
1505	Regulation of neuroinflammation with GLP-1 receptor targeting nanostructures to alleviate Alzheimer's symptoms in the disease models. Nano Today, 2022, 44, 101457.	6.2	11
1506	Carbamylated Erythropoietin-Fc (CEPO-Fc) ameliorates $A\hat{l}^2$ 25-35 induced neurotoxicity by modulating autophagy, apoptosis, and necroptosis in Alzheimer's Disease model rats. Physiology and Pharmacology, 2021, .	0.1	1
1507	Angiotensin-(1–7) Analogue AVE0991 Modulates Astrocyte-Mediated Neuroinflammation via lncRNA SNHG14/miR-223-3p/NLRP3 Pathway and Offers Neuroprotection in a Transgenic Mouse Model of Alzheimer's Disease. Journal of Inflammation Research, 2021, Volume 14, 7007-7019.	1.6	25
1508	Bruton's tyrosine kinase drives neuroinflammation and anxiogenic behavior in mouse models of stress. Journal of Neuroinflammation, 2021, 18, 289.	3.1	9
1509	Regulated cell death: discovery, features and implications for neurodegenerative diseases. Cell Communication and Signaling, 2021, 19, 120.	2.7	48

#	Article	IF	CITATIONS
1510	Microglia and astrocyte involvement in neurodegeneration and brain cancer. Journal of Neuroinflammation, 2021, 18, 298.	3.1	32
1511	Flavones 7,8-DHF, Quercetin, and Apigenin Against Tau Toxicity via Activation of TRKB Signaling in ΔK280 TauRD-DsRed SH-SY5Y Cells. Frontiers in Aging Neuroscience, 2021, 13, 758895.	1.7	17
1512	Curcumin-Piperlongumine Hybrids with a Multitarget Profile Elicit Neuroprotection in In Vitro Models of Oxidative Stress and Hyperphosphorylation. Antioxidants, 2022, 11, 28.	2.2	4
1513	Virus Mimetic Poly (I:C)-Primed Airway Exosome-like Particles Enter Brain and Induce Inflammatory Cytokines and Mitochondrial Reactive Oxygen Species in Microglia. Biology, 2021, 10, 1359.	1.3	3
1514	Role of IL-33/ST2 Axis in Chronic Inflammatory Neurological Disorderss. Serbian Journal of Experimental and Clinical Research, 2021, .	0.2	0
1515	TRPV1 channel mediates NLRP3 inflammasome-dependent neuroinflammation in microglia. Cell Death and Disease, 2021, 12, 1159.	2.7	29
1516	Biphasic Role of Microglia in Healthy and Diseased Brain. , 2022, , 507-537.		1
1518	Inflammasome involvement in CS-induced damage in HaCaT keratinocytes. In Vitro Cellular and Developmental Biology - Animal, 2022, 58, 335-348.	0.7	6
1519	Dopaminergic Signaling as a Plausible Modulator of Astrocytic Toll-Like Receptor 4: A Crosstalk between Neuroinflammation and Cognition. CNS and Neurological Disorders - Drug Targets, 2023, 22, 539-557.	0.8	6
1520	Treadmill exercise improve recognition memory by TREM2 pathway to inhibit hippocampal microglial activation and neuroinflammation in Alzheimer's disease model. Physiology and Behavior, 2022, 251, 113820.	1.0	7
1521	Amyloid $\hat{l}^2$ , Tau, and $\hat{l}\pm$ -Synuclein aggregates in the pathogenesis, prognosis, and therapeutics for neurodegenerative diseases. Progress in Neurobiology, 2022, 214, 102270.	2.8	77
1522	The synapse as a treatment avenue for Alzheimer's Disease. Molecular Psychiatry, 2022, 27, 2940-2949.	4.1	48
1523	Could anakinra outmatch dexamethasone/tocilizumab in COVID-19?. Bulletin of the National Research Centre, 2022, 46, 100.	0.7	2
1524	Ferulic acid produces neuroprotection against radiation-induced neuroinflammation by affecting NLRP3 inflammasome activation. International Journal of Radiation Biology, 2022, 98, 1442-1451.	1.0	6
1525	Glial cells in Alzheimer's disease: From neuropathological changes to therapeutic implications. Ageing Research Reviews, 2022, 78, 101622.	5.0	39
1553	The AIM2 inflammasome is activated in astrocytes during the late phase of EAE. JCI Insight, 2022, 7, .	2.3	21
1554	Endoplasmic Reticulum Stress and Its Role in Homeostasis and Immunity of Central and Peripheral Neurons. Frontiers in Immunology, 2022, 13, 859703.	2.2	9
1555	Nicotinic Acetylcholine Receptors and Microglia as Therapeutic and Imaging Targets in Alzheimer's Disease. Molecules, 2022, 27, 2780.	1.7	10

#	Article	IF	CITATIONS
1556	Dimethyl fumarate: A review of preclinical efficacy in models of neurodegenerative diseases. European Journal of Pharmacology, 2022, 926, 175025.	1.7	19
1557	Catching a killer: Mechanisms of programmed cell death and immune activation in Amyotrophic Lateral Sclerosis. Immunological Reviews, 2022, 311, 130-150.	2.8	9
1558	Emerging targets signaling for inflammation in Parkinson's disease drug discovery. Metabolic Brain Disease, 2022, , 1.	1.4	0
1559	A2A Adenosine Receptor: A Possible Therapeutic Target for Alzheimer's Disease by Regulating NLRP3 Inflammasome Activity?. International Journal of Molecular Sciences, 2022, 23, 5056.	1.8	9
1560	Mechanism of NLRP3 inflammasome activation and its role in Alzheimer's disease. Exploration of Immunology, 0, , 229-244.	1.7	1
1561	Promise of irisin to attenuate cognitive dysfunction in aging and Alzheimer's disease. Ageing Research Reviews, 2022, 78, 101637.	5.0	16
1562	Infection and inflammation: New perspectives on Alzheimer's disease. Brain, Behavior, & Immunity - Health, 2022, 22, 100462.	1.3	17
1563	Alzheimer's neuroinflammation: A crosstalk between immune checkpoint PD1-PDL1 and ApoE-Heparin interactions?. Medical Hypotheses, 2022, 164, 110865.	0.8	0
1564	Excessive dietary salt promotes neuroinflammation to worsen retinopathy in mice with streptozotocin-induced diabetes. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166426.	1.8	2
1565	Microglia in the Neuroinflammatory Pathogenesis of Alzheimer's Disease and Related Therapeutic Targets. Frontiers in Immunology, 2022, 13, 856376.	2.2	38
1566	Alzheimer's disease amyloidogenesis is linked to altered lower urinary tract physiology. Neurourology and Urodynamics, 2022, 41, 1344-1354.	0.8	1
1567	Repositioning of the Angiotensin II Receptor Antagonist Candesartan as an Anti-Inflammatory Agent With NLRP3 Inflammasome Inhibitory Activity. Frontiers in Immunology, 2022, 13, .	2.2	3
1568	GPR120 modulates epileptic seizure and neuroinflammation mediated by NLRP3 inflammasome. Journal of Neuroinflammation, 2022, 19, .	3.1	12
1569	Transauricular Vagal Nerve Stimulation at 40 Hz Inhibits Hippocampal P2X7R/NLRP3/Caspase-1 Signaling and Improves Spatial Learning and Memory in 6-Month-Old APP/PS1 Mice. Neuromodulation, 2023, 26, 589-600.	0.4	11
1570	Cognitive dysfunction following COVID-19 infection. Journal of NeuroVirology, 2022, 28, 430-437.	1.0	24
1571	Development of sulfonamide-based NLRP3 inhibitors: Further modifications and optimization through structure-activity relationship studies. European Journal of Medicinal Chemistry, 2022, 238, 114468.	2.6	6
1572	Betaine Inhibits NLRP3 Inflammasome Hyperactivation and Regulates Microglial M1/M2 Phenotypic Differentiation, Thereby Attenuating Lipopolysaccharide-Induced Depression-Like Behavior. SSRN Electronic Journal, O, , .	0.4	1
1573	Investigating the <scp>NLRP3</scp> inflammasome and its regulator <scp>miR</scp> â€223â€3p in multiple sclerosis and experimental demyelination. Journal of Neurochemistry, 2022, 163, 94-112.	2.1	4

#	Article	IF	CITATIONS
1574	Focus on the Role of the NLRP3 Inflammasome in Multiple Sclerosis: Pathogenesis, Diagnosis, and Therapeutics. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	17
1576	Functional and Phenotypic Diversity of Microglia: Implication for Microglia-Based Therapies for Alzheimer's Disease. Frontiers in Aging Neuroscience, 0, 14, .	1.7	15
1577	Targeting Necroptosis as a Promising Therapy for Alzheimer's Disease. ACS Chemical Neuroscience, 2022, 13, 1697-1713.	1.7	13
1578	Peripheral Inflammatory Biomarkers of Alzheimer's Disease. Journal of Alzheimer's Disease, 2022, 88, 389-398.	1.2	2
1579	The Common Cellular Events in the Neurodegenerative Diseases and the Associated Role of Endoplasmic Reticulum Stress. International Journal of Molecular Sciences, 2022, 23, 5894.	1.8	15
1580	The XPO1 Inhibitor KPT-8602 Ameliorates Parkinson's Disease by Inhibiting the NF-κB/NLRP3 Pathway. Frontiers in Pharmacology, 2022, 13, .	1.6	7
1581	Neuronal NLRP3 is a parkin substrate that drives neurodegeneration in Parkinson's disease. Neuron, 2022, 110, 2422-2437.e9.	3.8	64
1582	miR-25-3p ameliorates SAE by targeting the TLR4/NLRP3 axis. Metabolic Brain Disease, 2022, 37, 1803-1813.	1.4	6
1583	A guide to membrane atg8ylation and autophagy with reflections on immunity. Journal of Cell Biology, 2022, 221, .	2.3	28
1584	Non-Communicable Neurological Disorders and Neuroinflammation. Frontiers in Immunology, 0, $13$ , .	2.2	1
1585	The mitochondrial associated endoplasmic reticulum membranes: A platform for the pathogenesis of inflammationâ€mediated metabolic diseases. Immunity, Inflammation and Disease, 2022, 10, .	1.3	20
1586	The NLRP3 Inflammasome Pathway: A Review of Mechanisms and Inhibitors for the Treatment of Inflammatory Diseases. Frontiers in Aging Neuroscience, 0, 14, .	1.7	91
1587	Research Progress of Pyroptosis in Alzheimer's Disease. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	13
1588	Glial Cells and Brain Diseases: Inflammasomes as Relevant Pathological Entities. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	12
1589	Nonstructural Protein NSs Activates Inflammasome and Pyroptosis through Interaction with NLRP3 in Human Microglial Cells Infected with Severe Fever with Thrombocytopenia Syndrome Bandavirus. Journal of Virology, 2022, 96, .	1.5	6
1590	Alzheimer's Disease Association with Metals and Metalloids Concentration in Blood and Urine. International Journal of Environmental Research and Public Health, 2022, 19, 7309.	1.2	9
1591	New Insights into Neuroinflammation Involved in Pathogenic Mechanism of Alzheimer's Disease and Its Potential for Therapeutic Intervention. Cells, 2022, 11, 1925.	1.8	29
1592	Development and clinical translation of P2X7 receptor antagonists: A potential therapeutic target in coronary artery disease?., 2022, 237, 108228.		9

#	Article	IF	CITATIONS
1593	Lactobacillus pentosus Alleviates Lipopolysaccharide-Induced Neuronal Pyroptosis via Promoting BIRC3-Mediated Inactivation of NLRC4. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-9.	0.5	2
1594	Innate Immune Cell Death in Neuroinflammation and Alzheimer's Disease. Cells, 2022, 11, 1885.	1.8	49
1595	RIP kinases and necroptosis in aging and aging-related diseases. , 2022, 1, 2-20.		8
1596	How neurons die in Alzheimer's disease: Implications for neuroinflammation. Current Opinion in Neurobiology, 2022, 75, 102575.	2.0	57
1597	Exploring the zinc-related transcriptional landscape in Alzheimer's disease. IBRO Neuroscience Reports, 2022, 13, 31-37.	0.7	3
1598	Microglia and border-associated macrophages in the central nervous system. , 2022, , 181-212.		1
1599	The Role of Microglia in Alzheimerâ $\in$ <sup>Ms</sup> Disease From the Perspective of Immune Inflammation and Iron Metabolism. Frontiers in Aging Neuroscience, 0, 14, .	1.7	24
1600	Advances in the Functions of Thioredoxin System in Central Nervous System Diseases. Antioxidants and Redox Signaling, 0, , .	2.5	4
1601	DJ-1 Alleviates Neuroinflammation and the Related Blood-Spinal Cord Barrier Destruction by Suppressing NLRP3 Inflammasome Activation via SOCS1/Rac1/ROS Pathway in a Rat Model of Traumatic Spinal Cord Injury. Journal of Clinical Medicine, 2022, 11, 3716.	1.0	6
1602	HDAC4 Inhibitors as Antivascular Senescence Therapeutics. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-12.	1.9	1
1603	Microglia Phenotypes in Aging and Neurodegenerative Diseases. Cells, 2022, 11, 2091.	1.8	76
1604	Targeting Microglia in Alzheimer's Disease: From Molecular Mechanisms to Potential Therapeutic Targets for Small Molecules. Molecules, 2022, 27, 4124.	1.7	13
1605	The emerging role of LRRK2 in tauopathies. Clinical Science, 2022, 136, 1071-1079.	1.8	12
1606	Spermidine reduces neuroinflammation and soluble amyloid beta in an Alzheimer's disease mouse model. Journal of Neuroinflammation, 2022, 19, .	3.1	31
1607	Single transcription factor efficiently leads human induced pluripotent stem cells to functional microglia. Inflammation and Regeneration, 2022, 42, .	1.5	10
1608	Inflammasome Activation in Parkinson's Disease. Journal of Parkinson's Disease, 2022, 12, S113-S128.	1.5	11
1609	P2X7R/NLRP3 signaling pathway-mediated pyroptosis and neuroinflammation contributed to cognitive impairment in a mouse model of migraine. Journal of Headache and Pain, 2022, 23, .	2.5	21
1610	Modulation of MAPK- and PI3/AKT-Dependent Autophagy Signaling by Stavudine (D4T) in PBMC of Alzheimer's Disease Patients. Cells, 2022, 11, 2180.	1.8	11

#	Article	IF	CITATIONS
1611	Oxidized DNA fragments exit mitochondria via mPTP- and VDAC-dependent channels to activate NLRP3 inflammasome and interferon signaling. Immunity, 2022, 55, 1370-1385.e8.	6.6	158
1612	NLRP1 Inflammasome Activation in the Hippocampal Formation in Alzheimer's Disease: Correlation with Neuropathological Changes and Unbiasedly Estimated Neuronal Loss. Cells, 2022, 11, 2223.	1.8	13
1613	Highly sensitive Curcumin-conjugated nanotheranostic platform for detecting amyloid-beta plaques by magnetic resonance imaging and reversing cognitive deficits of Alzheimer's disease via NLRP3-inhibition. Journal of Nanobiotechnology, 2022, 20, .	4.2	23
1614	DMTHB ameliorates memory impairment in Alzheimer's disease mice through regulation of neuroinflammation. Neuroscience Letters, 2022, 785, 136770.	1.0	3
1615	Stigmasterol attenuates inflammatory response of microglia via NF-κB and NLRP3 signaling by AMPK activation. Biomedicine and Pharmacotherapy, 2022, 153, 113317.	2.5	29
1616	Diabetes and cognitive dysfunction. , 2023, , 185-201.		2
1617	The Alzheimer's disease-associated gene TREML2 modulates inflammation by regulating microglia polarization and NLRP3 inflammasome activation. Neural Regeneration Research, 2023, 18, 434.	1.6	14
1618	The role of inflammation in neurodegenerative diseases. , 2023, , 403-421.		2
1619	Maraviroc promotes recovery from traumatic brain injury in mice by suppression of neuroinflammation and activation of neurotoxic reactive astrocytes. Neural Regeneration Research, 2023, 18, 141.	1.6	21
1620	Lipid-protein interactions regulating the canonical and the non-canonical NLRP3 inflammasome. Progress in Lipid Research, 2022, 87, 101182.	5.3	8
1621	Increased pyroptosis activation in white matter microglia is associated with neuronal loss in ALS motor cortex. Acta Neuropathologica, 2022, 144, 393-411.	3.9	16
1622	Hallmarks of neurodegenerative disease: A systems pharmacology perspective. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 1399-1429.	1.3	15
1623	Aβ and Tau Regulate Microglia Metabolism via Exosomes in Alzheimer's Disease. Biomedicines, 2022, 10, 1800.	1.4	10
1624	Microglia and microglial-based receptors in the pathogenesis and treatment of Alzheimer's disease. International Immunopharmacology, 2022, 110, 109070.	1.7	10
1625	Adeno-associated virus (AAV) 9-mediated gene delivery of Nurr1 and Foxa2 ameliorates symptoms and pathologies of Alzheimer disease model mice by suppressing neuro-inflammation and glial pathology. Molecular Psychiatry, 0, , .	4.1	7
1626	Heterozygous expression of the Alzheimer's disease-protective PLCγ2 P522R variant enhances Aβ clearance while preserving synapses. Cellular and Molecular Life Sciences, 2022, 79, .	2.4	10
1627	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. Inflammation, 2023, 46, 56-87.	1.7	15
1628	Neuronal cell death mechanisms in Alzheimer's disease: An insight. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	36

#	Article	IF	CITATIONS
1629	Sirtuins promote brain homeostasis, preventing Alzheimerâ $\in$ <sup>TM</sup> s disease through targeting neuroinflammation. Frontiers in Physiology, 0, 13, .	1.3	8
1630	Astrocytic and microglial cells as the modulators of neuroinflammation in Alzheimer's disease. Journal of Neuroinflammation, 2022, 19, .	3.1	80
1631	Nebivolol elicits a neuroprotective effect in the cuprizone model of multiple sclerosis in mice: emphasis on M1/M2 polarization and inhibition of NLRP3 inflammasome activation. Inflammopharmacology, 2022, 30, 2197-2209.	1.9	4
1632	Mechanisms of NLRP3 activation and pathology during neurodegeneration. International Journal of Biochemistry and Cell Biology, 2022, 151, 106273.	1.2	9
1633	Integrated comparative metabolomics and network pharmacology approach to uncover the key active ingredients of Polygonati rhizoma and their therapeutic potential for the treatment of Alzheimerâ $\in$ <sup>TMS</sup> disease. Frontiers in Pharmacology, 0, 13, .	1.6	3
1634	Nanomedicines targeting the inflammasome as a promising therapeutic approach for cell senescence. Seminars in Cancer Biology, 2022, 86, 46-53.	4.3	2
1635	Autophagy Balances Neuroinflammation in Alzheimer's Disease. Cellular and Molecular Neurobiology, 2023, 43, 1537-1549.	1.7	7
1636	Mitochondrial Damage-Associated Molecular Patterns Content in Extracellular Vesicles Promotes Early Inflammation in Neurodegenerative Disorders. Cells, 2022, 11, 2364.	1.8	15
1637	Synthetic PPAR Agonist DTMB Alleviates Alzheimer's Disease Pathology by Inhibition of Chronic Microglial Inflammation in 5xFAD Mice. Neurotherapeutics, 2022, 19, 1546-1565.	2.1	5
1638	Non-coding RNAs: The Neuroinflammatory Regulators in Neurodegenerative Diseases. Frontiers in Neurology, 0, 13, .	1.1	11
1639	Targeting microglial autophagic degradation of the NLRP3 inflammasome for identification of thonningianin A in Alzheimer's disease. Inflammation and Regeneration, 2022, 42, .	1.5	16
1640	Supramolecular organizing centers at the interface of inflammation and neurodegeneration. Frontiers in Immunology, $0,13,.$	2.2	3
1641	Exploring the mechanism of action of Xuanfei Baidu granule (XFBD) in the treatment of COVID-19 based on molecular docking and molecular dynamics. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
1642	Outer membrane vesicles of Porphyromonas gingivalis trigger NLRP3 inflammasome and induce neuroinflammation, tau phosphorylation, and memory dysfunction in mice. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	24
1643	The casual relationship between AD and sleep disorders. , 0, 8, 272-278.		0
1645	Oligomeropathies, inflammation and prion protein binding. Frontiers in Neuroscience, 0, $16$ , .	1.4	3
1646	Targeting NLRP3-Mediated Neuroinflammation in Alzheimer's Disease Treatment. International Journal of Molecular Sciences, 2022, 23, 8979.	1.8	20
1647	NLRP3 inflammasome in neurodegenerative disease. Translational Research, 2023, 252, 21-33.	2.2	25

#	Article	IF	CITATIONS
1648	Anti-Inflammatory Activity of 4-(4-(Heptyloxy)phenyl)-2,4-dihydro-3H-1,2,4-triazol-3-one via Repression of MAPK/NF-κB Signaling Pathways in β-Amyloid-Induced Alzheimer's Disease Models. Molecules, 2022, 27, 5035.	1.7	6
1649	Pharmacological targeting of microglia dynamics in Alzheimer's disease: Preclinical and clinical evidence. Pharmacological Research, 2022, 184, 106404.	3.1	4
1650	Aß Pathology and Neuron–Glia Interactions: A Synaptocentric View. Neurochemical Research, 2023, 48, 1026-1046.	1.6	12
1651	Computational screening of benzophenone integrated derivatives (BIDs) targeting the NACHT domain of the potential target NLRP3 inflammasome. Advances in Cancer Biology Metastasis, 2022, 5, 100056.	1.1	11
1652	Targeting epigenetic regulators for inflammation: Mechanisms and intervention therapy. MedComm, 2022, 3, .	3.1	7
1654	The cGAS-STING-mediated NLRP3 inflammasome is involved in the neurotoxicity induced by manganese exposure. Biomedicine and Pharmacotherapy, 2022, 154, 113680.	2.5	7
1655	Microglial ion channels: Key players in non-cell autonomous neurodegeneration. Neurobiology of Disease, 2022, 174, 105861.	2.1	9
1656	Inflammasome activation and assembly in Huntington's disease. Molecular Immunology, 2022, 151, 134-142.	1.0	5
1657	Modeling transport of soluble proteins and metabolites in the brain., 2022,, 493-508.		0
1658	Electroacupuncture Ameliorates Cognitive Impairment and Beta-Amyloid Pathology Via Inhibiting the Activation of NLRP3 Inflammasome in an Alzheimer's Disease Animal. SSRN Electronic Journal, 0, , .	0.4	0
1659	NLRP3-Mediated Glutaminolysis Regulates Microglia in Alzheimer's Disease. SSRN Electronic Journal, 0,	0.4	1
1660	Molecular linkages among Aβ, tau, impaired mitophagy, and mitochondrial dysfunction in Alzheimer's disease. , 2022, , 91-109.		0
1661	Mangiferin Alleviates Postpartum Depression–Like Behaviors by Inhibiting MAPK Signaling in Microglia. Frontiers in Pharmacology, 0, 13, .	1.6	5
1662	Application of Micro-Western Array for Identifying Different Serum Protein Expression Profile among Healthy Control, Alzheimer's Disease Patients and Patients' Adult Children. Brain Sciences, 2022, 12, 1134.	1.1	2
1663	The molecular mechanism of CoenzymeQ10 on pyroptosis and its related diseases:A Review. Protein and Peptide Letters, 2022, 29, .	0.4	0
1664	Neuro-Inflammaging and Psychopathological Distress. Biomedicines, 2022, 10, 2133.	1.4	9
1665	A Selective Review and Virtual Screening Analysis of Natural Product Inhibitors of the NLRP3 Inflammasome. Molecules, 2022, 27, 6213.	1.7	6
1666	Ellagic Acid and Its Anti-Aging Effects on Central Nervous System. International Journal of Molecular Sciences, 2022, 23, 10937.	1.8	17

#	Article	IF	CITATIONS
1667	Alzheimer's Disease and Inflammaging. Brain Sciences, 2022, 12, 1237.	1.1	26
1668	Loss of Homeostatic Microglia Signature in Prion Diseases. Cells, 2022, 11, 2948.	1.8	3
1669	The MK2 cascade mediates transient alteration in mGluR‣TD and spatial learning in a murine model of Alzheimer's disease. Aging Cell, 2022, 21, .	3.0	8
1670	Caspase-1 and Cathepsin B Inhibitors from Marine Invertebrates, Aiming at a Reduction in Neuroinflammation. Marine Drugs, 2022, 20, 614.	2.2	3
1671	Inflammasome activation in traumatic brain injury and Alzheimer's disease. Translational Research, 2023, 254, 1-12.	2.2	17
1672	Regulation of microglial physiology by the microbiota. Gut Microbes, 2022, 14, .	4.3	14
1673	Pyroptosis in development, inflammation and disease. Frontiers in Immunology, 0, 13, .	2.2	20
1674	Innate immune activation: Parallels in alcohol use disorder and Alzheimer's disease. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	8
1675	Strategies for Manipulating Microglia to Determine Their Role in the Healthy and Diseased Brain. Neurochemical Research, 2023, 48, 1066-1076.	1.6	7
1676	Age-dependent microglial disease phenotype results in functional decline in gut macrophages. , 2022, , .		0
1677	The COVID-19 pandemic and Alzheimerâ $\in$ <sup>TM</sup> s disease: mutual risks and mechanisms. Translational Neurodegeneration, 2022, 11, .	3.6	25
1678	Role of Microglia and Astrocytes in Alzheimer's Disease: From Neuroinflammation to Ca2+ Homeostasis Dysregulation. Cells, 2022, 11, 2728.	1.8	29
1679	Emerging trends and hot spots of NLRP3 inflamma some in neurological diseases: A bibliometric analysis. Frontiers in Pharma cology, 0, 13, .	1.6	4
1680	How location and cellular signaling combine to activate the NLRP3 inflammasome. , 2022, 19, 1201-1214.		50
1681	Alzheimer's disease as an innate autoimmune disease (AD <sup>2</sup> ): A new molecular paradigm. Alzheimer's and Dementia, 2023, 19, 1086-1098.	0.4	14
1682	Identification of variants in genes associated with autoinflammatory disorders in a cohort of patients with psoriatic arthritis. RMD Open, 2022, 8, e002561.	1.8	7
1683	Interaction between autophagy and the NLRP3 inflammasome in Alzheimer's and Parkinson's disease. Frontiers in Aging Neuroscience, 0, 14, .	1.7	15
1684	Acacetin improves cognitive function of APP/PS1 Alzheimer's disease model mice via the NLRP3 inflammasome signaling pathway. Translational Neuroscience, 2022, 13, 390-397.	0.7	3

#	Article	IF	CITATIONS
1685	Emodin attenuates inflammation and demyelination in experimental autoimmune encephalomyelitis. Neural Regeneration Research, 2023, 18, 1535.	1.6	5
1686	The Role of Inflammasomes in the Pathogenesis of Neurodegenerative Diseases. Neurochemical Journal, 2022, 16, 271-282.	0.2	O
1687	Neuropsychological decrements in midlife type-2 diabetes are not associated with peripheral NLRP3 inflammasome responsiveness. Frontiers in Immunology, 0, $13$ , .	2.2	3
1688	Miltefosine as a PPM1A activator improves AD-like pathology in mice by alleviating tauopathy via microglia/neurons crosstalk. Brain, Behavior, & Immunity - Health, 2022, 26, 100546.	1.3	1
1689	Caspase-1 inhibition improves cognition without significantly altering amyloid and inflammation in aged Alzheimer disease mice. Cell Death and Disease, 2022, 13, .	2.7	11
1691	Alzheimer's disease-associated U1 snRNP splicing dysfunction causes neuronal hyperexcitability and cognitive impairment. Nature Aging, 2022, 2, 923-940.	5.3	8
1692	Amyloid beta and its naturally occurring N-terminal variants are potent activators of human and mouse formyl peptide receptor 1. Journal of Biological Chemistry, 2022, 298, 102642.	1.6	4
1693	Moringa Oleifera Alleviates $\hat{Al^2}$ Burden and Improves Synaptic Plasticity and Cognitive Impairments in APP/PS1 Mice. Nutrients, 2022, 14, 4284.	1.7	7
1694	Dysfunctional microglia and tau pathology in Alzheimer's disease. Reviews in the Neurosciences, 2023, 34, 443-458.	1.4	8
1695	Promoted CD4+ T cell-derived IFN- $\hat{1}^3$ /IL-10 by photobiomodulation therapy modulates neurogenesis to ameliorate cognitive deficits in APP/PS1 and 3xTg-AD mice. Journal of Neuroinflammation, 2022, 19, .	3.1	13
1696	An emerging role for stress granules in neurodegenerative disease and hearing loss. Hearing Research, 2022, 426, 108634.	0.9	5
1697	Global, regional, and national burden of Alzheimer's disease and other dementias, 1990–2019. Frontiers in Aging Neuroscience, 0, 14, .	1.7	98
1698	Microglia and Alzheimer's Disease. International Journal of Molecular Sciences, 2022, 23, 12990.	1.8	28
1699	Neurodegenerative Microbially-Shaped Diseases: Oxidative Stress Meets Neuroinflammation. Antioxidants, 2022, 11, 2141.	2.2	6
1700	Cattle Encephalon Glycoside and Ignotin Attenuates AÎ $^2$ 1-42-Mediated Neurotoxicity by Preventing NLRP3 Inflammasome Activation and Modulating Microglial Polarization via TLR4/NF-Î $^2$ B Signaling Pathway. Neurotoxicity Research, 0, , .	1.3	0
1701	Betaine Inhibits NLRP3 Inflammasome Hyperactivation and Regulates Microglial M1/M2 Phenotypic Differentiation, Thereby Attenuating Lipopolysaccharide-Induced Depression-Like Behavior. Journal of Immunology Research, 2022, 2022, 1-14.	0.9	7
1702	Relationships between Inflammation and Age-Related Neurocognitive Changes. International Journal of Molecular Sciences, 2022, 23, 12573.	1.8	3
1703	Apoptosis-associated speck-like protein containing a CARD-mediated release of matrix metalloproteinase 10 stimulates a change in microglia phenotype. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	О

#	Article	IF	CITATIONS
1704	The Hidden Role of Non-Canonical Amyloid β Isoforms in Alzheimer's Disease. Cells, 2022, 11, 3421.	1.8	3
1706	Macrophages in periodontitis: A dynamic shift between tissue destruction and repair. Japanese Dental Science Review, 2022, 58, 336-347.	2.0	11
1707	SARS-CoV-2 drives NLRP3 inflammasome activation in human microglia through spike protein. Molecular Psychiatry, 2023, 28, 2878-2893.	4.1	47
1708	NLRP3 inflammasome activation contributes to the cognitive decline after cardiac surgery. Frontiers in Surgery, 0, 9, .	0.6	3
1709	Preventive Effect of <i>Saccharomyces boulardii</i> on Memory Impairment Induced by Lipopolysaccharide in Rats. ACS Chemical Neuroscience, 2022, 13, 3180-3187.	1.7	1
1710	The role of transforming growth factor β1 /Smad pathway in Alzheimer's disease inflammation pathology. Molecular Biology Reports, 2023, 50, 777-788.	1.0	6
1711	An in silico investigation on the interactions of curcumin and epigallocatechin-3-gallate with NLRP3 Inflammasome complex. Biomedicine and Pharmacotherapy, 2022, 156, 113890.	2.5	5
1712	Microglia dynamics in aging-related neurobehavioral and neuroinflammatory diseases. Journal of Neuroinflammation, 2022, 19, .	3.1	22
1713	Emerging roles of innate and adaptive immunity in Alzheimer's disease. Immunity, 2022, 55, 2236-2254.	6.6	49
1714	Characterisation of C101248: A novel selective THIK-1 channel inhibitor for the modulation of microglial NLRP3-inflammasome. Neuropharmacology, 2023, 224, 109330.	2.0	4
1716	Interleukin-33 regulates the functional state of microglia. Frontiers in Cellular Neuroscience, 0, $16$ , .	1.8	3
1717	Editorial: Treatment of Alzheimer's disease-discovery of natural products based on neurite outgrowth and neuroprotection. Frontiers in Pharmacology, 0, 13, .	1.6	0
1719	Gut microbiota, pathogenic proteins and neurodegenerative diseases. Frontiers in Microbiology, $0,13,.$	1.5	5
1720	Cordycepin improved neuronal synaptic plasticity through CREB-induced NGF upregulation driven by MG-M2 polarization: a microglia-neuron symphony in AD. Biomedicine and Pharmacotherapy, 2023, 157, 114054.	2.5	3
1721	Inflammasomes as biomarkers and therapeutic targets in traumatic brain injury and related-neurodegenerative diseases: A comprehensive overview. Neuroscience and Biobehavioral Reviews, 2023, 144, 104969.	2.9	6
1722	Dopamine D2 receptor agonist Bromocriptine ameliorates $\hat{Al^21}$ -42-induced memory deficits and neuroinflammation in mice. European Journal of Pharmacology, 2023, 938, 175443.	1.7	8
1723	Inflammasome and neurodegenerative diseases. , 2023, , 291-326.		1
1724	Inflammasome effector functions: a Tale of Fire and Ice. , 2023, , 179-204.		0

#	Article	IF	CITATIONS
1725	Multiinflammasome inhibitors. , 2023, , 605-623.		0
1726	Sulforaphane attenuates microglia-mediated neuronal damage by down-regulating the ROS/autophagy/NLRP3 signal axis in fibrillar Aβ-activated microglia. Brain Research, 2023, 1801, 148206.	1.1	2
1727	Gender differences in Alzheimer's may be associated with TLR4‣YN expression in damage associated microglia and neuronal phagocytosis. Journal of Cellular Physiology, 0, , .	2.0	2
1728	Identifying an Optimal Neuroinflammation Treatment Using a Nanoligomer Discovery Engine. ACS Chemical Neuroscience, 2022, 13, 3247-3256.	1.7	11
1729	Loss of function of CMPK2 causes mitochondria deficiency and brain calcification. Cell Discovery, 2022, 8, .	3.1	10
1730	The Role of Insulin Signaling in Hippocampal-Related Diseases: A Focus on Alzheimer's Disease. International Journal of Molecular Sciences, 2022, 23, 14417.	1.8	4
1732	The Role of Caspases in Alzheimer's Disease: Pathophysiology Implications and Pharmacologic Modulation. Journal of Alzheimer's Disease, 2022, , 1-20.	1.2	3
1733	PET/MR imaging of inflammation in atherosclerosis. Nature Biomedical Engineering, 2023, 7, 202-220.	11.6	10
1734	The Strategies for Treating "Alzheimer's Disease― Insulin Signaling May Be a Feasible Target. Current Issues in Molecular Biology, 2022, 44, 6172-6188.	1.0	5
1735	Mushroom Natural Products in Neurodegenerative Disease Drug Discovery. Cells, 2022, 11, 3938.	1.8	4
1736	Fecal microbiota transplantation and replenishment of short-chain fatty acids protect against chronic cerebral hypoperfusion-induced colonic dysfunction by regulating gut microbiota, differentiation of Th17 cells, and mitochondrial energy metabolism. Journal of Neuroinflammation, 2022, 19, .	3.1	6
1737	The role of adenosine A2A receptors in Alzheimer's disease and tauopathies. Neuropharmacology, 2023, 226, 109379.	2.0	6
1738	Virus-Like Cytosolic and Cell-Free Oxidatively Damaged Nucleic Acids Likely Drive Inflammation, Synapse Degeneration, and Neuron Death in Alzheimer's Disease. Journal of Alzheimer's Disease Reports, 2023, 7, 1-19.	1.2	1
1739	Alzheimer's disease and COVID-19. Nevrologiya, Neiropsikhiatriya, Psikhosomatika, 2022, 14, 89-97.	0.2	0
1740	The IL-1 Family and Its Role in Atherosclerosis. International Journal of Molecular Sciences, 2023, 24, 17.	1.8	9
1741	The Role of Epigenetics in Neuroinflammatory-Driven Diseases. International Journal of Molecular Sciences, 2022, 23, 15218.	1.8	13
1742	Identification of the target protein and molecular mechanism of honokiol in anti-inflammatory action. Phytomedicine, 2023, 109, 154617.	2.3	4
1743	Pyroptosis in Alzheimer's disease: cell type-specific activation in microglia, astrocytes and neurons. Acta Neuropathologica, 2023, 145, 175-195.	3.9	40

#	Article	IF	CITATIONS
1744	African ancestry GWAS of dementia in a large military cohort identifies significant risk loci. Molecular Psychiatry, 2023, 28, 1293-1302.	4.1	10
1745	TREM2 dependent and independent functions of microglia in Alzheimer's disease. Molecular Neurodegeneration, 2022, 17, .	4.4	25
1746	Microglial Activation and Priming in Alzheimer's Disease: State of the Art and Future Perspectives. International Journal of Molecular Sciences, 2023, 24, 884.	1.8	12
1747	Potential roles of NLRP3 inflammasome in the pathogenesis of Kawasaki disease. Journal of Cellular Physiology, 2023, 238, 513-532.	2.0	6
1748	CSF1R inhibitors induce a sex-specific resilient microglial phenotype and functional rescue in a tauopathy mouse model. Nature Communications, 2023, 14, .	5.8	10
1750	Programmed Death of Microglia in Alzheimer's Disease: Autophagy, Ferroptosis, and Pyroptosis. journal of prevention of Alzheimer's disease, The, 0, , .	1.5	5
1751	Activation of innate immune cGAS-STING pathway contributes to Alzheimer's pathogenesis in 5×FAD mice. Nature Aging, 2023, 3, 202-212.	5.3	32
1752	Role of the caspase-8/RIPK3 axis in Alzheimer's disease pathogenesis and Aβ-induced NLRP3 inflammasome activation. JCI Insight, 2023, 8, .	2.3	12
1753	Mechanism of pyroptosis in neurodegenerative diseases and its therapeutic potential by traditional Chinese medicine. Frontiers in Pharmacology, 0, 14, .	1.6	4
1754	MicroRNA-mediated regulation of reactive astrocytes in central nervous system diseases. Frontiers in Molecular Neuroscience, $0,15,.$	1.4	2
1755	Differential methylation of circRNA m6A in an APP/PS1 Alzheimer's disease mouse model. Molecular Medicine Reports, 2023, 27, .	1.1	8
1757	Microglial autophagy in Alzheimer's disease and Parkinson's disease. Frontiers in Aging Neuroscience, 0, 14, .	1.7	6
1758	A novel strategy for bioactive natural products targeting NLRP3 inflammasome in Alzheimer's disease. Frontiers in Pharmacology, 0, 13, .	1.6	1
1759	Canonical and non-canonical functions of NLRP3. Journal of Advanced Research, 2023, 53, 137-151.	4.4	4
1761	Directly targeting ASC by lonidamine alleviates inflammasome-driven diseases. Journal of Neuroinflammation, 2022, 19, .	3.1	7
1762	Fc effector of anti-Aβ antibody induces synapse loss and cognitive deficits in Alzheimer's disease-like mouse model. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	7
1763	The Potential of NLRP3 Inflammasome as a Therapeutic Target in Neurological Diseases. Molecular Neurobiology, 2023, 60, 2520-2538.	1.9	7
1764	Prenatal Sevoflurane Exposure Impairs the Learning and Memory of Rat Offspring via HMGB1-Induced NLRP3/ASC Inflammasome Activation. ACS Chemical Neuroscience, 2023, 14, 699-708.	1.7	4

#	Article	IF	CITATIONS
1765	Links between COVID-19 and Alzheimer's Diseaseâ€"What Do We Already Know?. International Journal of Environmental Research and Public Health, 2023, 20, 2146.	1.2	9
1766	Genetic Polymorphisms in Oxidative Stress and Inflammatory Pathways as Potential Biomarkers in Alzheimer's Disease and Dementia. Antioxidants, 2023, 12, 316.	2.2	6
1767	Tenuifolin ameliorates the sleep deprivationâ€induced cognitive deficits. Phytotherapy Research, O, , .	2.8	2
1768	Pharmacological Inhibition of the NLRP3 Inflammasome: Structure, Molecular Activation, and Inhibitor-NLRP3 Interaction. Pharmacological Reviews, 2023, 75, 487-520.	7.1	19
1769	Ac-YVAD-cmk ameliorated sevoflurane-induced cognitive dysfunction and revised mitophagy impairment. PLoS ONE, 2023, 18, e0280914.	1.1	3
1770	Comparison of Oleocanthal-Low EVOO and Oleocanthal against Amyloid-β and Related Pathology in a Mouse Model of Alzheimer's Disease. Molecules, 2023, 28, 1249.	1.7	6
1771	The mechanism of NLRP3 inflammasome activation and its pharmacological inhibitors. Frontiers in Immunology, 0, $13$ , .	2.2	17
1772	Etiology and Clinical Significance of Network Hyperexcitability in Alzheimer's Disease: Unanswered Questions and Next Steps. Journal of Alzheimer's Disease, 2023, 92, 13-27.	1.2	2
1774	Targeting galectin-3 to counteract spike-phase uncoupling of fast-spiking interneurons to gamma oscillations in Alzheimer's disease. Translational Neurodegeneration, 2023, 12, .	3.6	4
1775	Syk inhibitors protect against microglia-mediated neuronal loss in culture. Frontiers in Aging Neuroscience, $0,15,.$	1.7	4
1776	Brain targeting based nanocarriers loaded with resveratrol in Alzheimer's disease: A review. IET Nanobiotechnology, 2023, 17, 154-170.	1.9	4
1777	Mitochondrial calcium uptake 3 mitigates cerebral amyloid angiopathy-related neuronal death and glial inflammation by reducing mitochondrial dysfunction. International Immunopharmacology, 2023, 117, 109614.	1.7	3
1778	Innate and adaptive glial cell responses in Alzheimer's disease. , 0, , 90-104.		0
1779	Chronic inflammation: a potential target in tauopathies. Lancet Neurology, The, 2023, 22, 371-373.	4.9	0
1780	Role of microbial dysbiosis in the pathogenesis of Alzheimer's disease. Neuropharmacology, 2023, 229, 109478.	2.0	10
1781	Involvement of Hsp90 in NLRP3 inflammasome activation in the failing heart following myocardial infarction in rats. Biochemical Pharmacology, 2023, 212, 115547.	2.0	3
1782	The role of dopamine in NLRP3 inflammasome inhibition: Implications for neurodegenerative diseases. Ageing Research Reviews, 2023, 87, 101907.	5.0	12
1784	Î <sup>2</sup> -Hydroxybutyrate Regulates Activated Microglia to Alleviate Neurodegenerative Processes in Neurological Diseases: A Scoping Review. Nutrients, 2023, 15, 524.	1.7	7

#	Article	IF	CITATIONS
1785	The Role of Neuroinflammation in Cognitive Functions and Social Interaction in Mice with Age-Dependent Neurodegeneration. Human Physiology, 2022, 48, 979-983.	0.1	0
1786	NLRP3 in the GABAergic neuron induces cognitive impairments in a mouse model of hemorrhage shock and resuscitation. Journal of Psychiatric Research, 2023, 159, 213-223.	1.5	4
1787	Tivantinib alleviates inflammatory diseases by directly targeting NLRP3. IScience, 2023, 26, 106062.	1.9	2
1788	Definition of the contribution of an Osteopontin-producing CD11c <sup>+</sup> microglial subset to Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	13
1789	TNEA therapy promotes the autophagic degradation of NLRP3 inflammasome in a transgenic mouse model of Alzheimer's disease via TFEB/TFE3 activation. Journal of Neuroinflammation, 2023, 20, .	3.1	4
1791	Cognitive benefits of Sodium-Glucose Co-Transporters-2 Inhibitors in the Diabetic Milieu. Current Medicinal Chemistry, 2023, 30, .	1.2	1
1792	Effectiveness of targeting the NLRP3 inflammasome by using natural polyphenols: A systematic review of implications on health effects. Food Research International, 2023, 165, 112567.	2.9	7
1793	The NLRP3 Inflammasome Works as a Sensor for Detecting Hypoactivity of the Mitochondrial Src Family Kinases. Journal of Immunology, 2023, 210, 795-806.	0.4	3
1794	Myeloid Cells As a Promising Target for Brain–Bone Degenerative Diseases from a Metabolic Point of View. Advanced Biology, 2023, 7, .	1.4	0
1795	Genetic predisposition to Alzheimer's disease alters inflammasome activity after traumatic brain injury. Translational Research, 2023, 257, 66-77.	2.2	2
1796	Revisiting the intersection of microglial activation and neuroinflammation in Alzheimer's disease from the perspective of ferroptosis. Chemico-Biological Interactions, 2023, 375, 110387.	1.7	12
1798	Multifactorial glial responses and their contributions to Alzheimer's disease continuum. Clinical and Experimental Neuroimmunology, 2023, 14, 82-91.	0.5	1
1799	Pyroptosis as a double-edged sword: The pathogenic and therapeutic roles in inflammatory diseases and cancers. Life Sciences, 2023, 318, 121498.	2.0	11
1800	MiR-146a-5p Contributes to Microglial Polarization Transitions Associated With AGEs. Molecular Neurobiology, 2023, 60, 3020-3033.	1.9	1
1801	A novel sorbicillinoid compound as a potent antiâ€inflammation agent through inducing NLRP3 protein degradation. British Journal of Pharmacology, 2023, 180, 1930-1948.	2.7	3
1802	Hallmarks of neurodegenerative diseases. Cell, 2023, 186, 693-714.	13.5	222
1803	<scp>NLRP3</scp> â€directed antisense oligonucleotides reduce microglial immunoactivities in vitro. Journal of Neurochemistry, 0, , .	2.1	3
1804	Integrin Mac1 mediates paraquat and maneb-induced learning and memory impairments in mice through NADPH oxidase–NLRP3 inflammasome axis-dependent microglial activation. Journal of Neuroinflammation, 2023, 20, .	3.1	3

#	Article	IF	CITATIONS
1805	Mechanistic and therapeutic role of $\scp>NLRP3$ inflammasome in the pathogenesis of Alzheimer's disease. Journal of Neurochemistry, 0, , .	2.1	8
1806	Roles of Microglia in AD Pathology. Current Alzheimer Research, 2023, 19, 854-869.	0.7	2
1807	The effects of microglia-associated neuroinflammation on Alzheimer's disease. Frontiers in Immunology, 0, 14, .	2.2	20
1808	The NLRP1 inflammasome in skin diseases. Frontiers in Immunology, 0, 14, .	2.2	3
1810	Neuroinflammation in Alzheimer's disease: potential beneficial effects of vitamin D. Metabolic Brain Disease, 2023, 38, 819-829.	1.4	4
1811	Microglia as a cellular target of diclofenac therapy in Alzheimer's disease. Therapeutic Advances in Neurological Disorders, 2023, 16, 175628642311566.	1.5	3
1812	Serum/glucocorticoid-inducible kinase $1$ deficiency induces NLRP3 inflammasome activation and autoinflammation of macrophages in a murine endolymphatic hydrops model. Nature Communications, 2023, 14, .	5.8	8
1813	Protective Effects of Cannabis in Neuroinflammation-Mediated Alzheimer's Disease. Advances in Medical Diagnosis, Treatment, and Care, 2023, , 48-75.	0.1	1
1814	<i>Bifidobacterium breve</i> HNXY26M4 Attenuates Cognitive Deficits and Neuroinflammation by Regulating the Gut–Brain Axis in APP/PS1 Mice. Journal of Agricultural and Food Chemistry, 2023, 71, 4646-4655.	2.4	17
1815	Microglia: A pharmacological target for the treatment of age-related cognitive decline and Alzheimer's disease. Frontiers in Pharmacology, 0, 14, .	1.6	10
1816	Inflammasome activation under high cholesterol load triggers a protective microglial phenotype while promoting neuronal pyroptosis. Translational Neurodegeneration, 2023, 12, .	3.6	5
1817	Osthole, an ingredient from <i>Cnidium monnieri</i> , reduces the pyroptosis and apoptosis in bronchial epithelial cells. Journal of Asian Natural Products Research, 2023, 25, 999-1011.	0.7	1
1818	The diverse roles of macrophages in metabolic inflammation and its resolution. Frontiers in Cell and Developmental Biology, 0, $11$ , .	1.8	2
1819	Inhibiting NLRP3 Inflammasome Activation by CY-09 Helps to Restore Cerebral Glucose Metabolism in 3×Tg-AD Mice. Antioxidants, 2023, 12, 722.	2.2	6
1820	Unveiling the Mechanistic Singularities of Caspases: A Computational Analysis of the Reaction Mechanism in Human Caspase-1. ACS Catalysis, 2023, 13, 4348-4361.	5.5	1
1821	The role of NOD-like receptors in innate immunity. Frontiers in Immunology, 0, 14, .	2.2	13
1822	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
1823	Exercise suppresses neuroinflammation for alleviating Alzheimer's disease. Journal of Neuroinflammation, 2023, 20, .	3.1	19

#	Article	IF	Citations
1826	Inhibitors of the NLRP3 inflammasome pathway as promising therapeutic candidates for inflammatory diseases (Review). International Journal of Molecular Medicine, 2023, 51, .	1.8	17
1828	Novel Activity of ODZ10117, a STAT3 Inhibitor, for Regulation of NLRP3 Inflammasome Activation. International Journal of Molecular Sciences, 2023, 24, 6079.	1.8	3
1829	NLRP3 Inflammasome's Activation in Acute and Chronic Brain Diseasesâ€"An Update on Pathogenetic Mechanisms and Therapeutic Perspectives with Respect to Other Inflammasomes. Biomedicines, 2023, 11, 999.	1.4	6
1831	An updated review on phytochemistry and molecular targets of Withania somnifera (L.) Dunal (Ashwagandha). Frontiers in Pharmacology, 0, $14$ , .	1.6	3
1832	PREDICTORS OF MORTALITY IN SEVERE AND CRITICAL COVID-19 PATIENTS RECEIVING HIGH DOSE INTRAVENOUS ANAKINRA. Journal of Immunology and Clinical Microbiology, 0, , .	0.7	0
1833	Inflammasome-Mediated Neuronal-Microglial Crosstalk: a Therapeutic Substrate for the Familial C9orf72 Variant of Frontotemporal Dementia/Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2023, 60, 4004-4016.	1.9	4
1834	Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota. Nutrients, 2023, 15, 1767.	1.7	4
1835	Hydroxytyrosol Interference with Inflammaging via Modulation of Inflammation and Autophagy. Nutrients, 2023, 15, 1774.	1.7	4
1836	Recent Development in the Understanding of Molecular and Cellular Mechanisms Underlying the Etiopathogenesis of Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 7258.	1.8	7
1837	NLRP3 mediates the neuroprotective effects of SVHRSP derived from scorpion venom in rotenone-induced experimental Parkinson's disease model. Journal of Ethnopharmacology, 2023, 312, 116497.	2.0	3
1838	Degradation of <scp>NLRP3</scp> by p62â€dependentâ€autophagy improves cognitive function in Alzheimer's disease by maintaining the phagocytic function of microglia. CNS Neuroscience and Therapeutics, 2023, 29, 2826-2842.	1.9	4
1839	Ferulic Acid Improves Synaptic Plasticity and Cognitive Impairments by Alleviating the PP2B/DARPP-32/PP1 Axis-Mediated STEP Increase and $\hat{Al^2}$ Burden in Alzheimer's Disease. Neurotherapeutics, 2023, 20, 1081-1108.	2.1	5
1875	Clinical relevance of animal models in aging-related dementia research. Nature Aging, 2023, 3, 481-493.	<b>5.</b> 3	5
1888	Role of neuroinflammation in neurodegeneration development. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	62
1890	Roles of Purinergic Receptors in Alzheimer's Disease. , 2023, , 191-202.		0
1897	Scientific Landscape of Oxidative Stress in Stroke: From a Bibliometric Analysis to an in-Depth Review. Neurochemical Research, 2023, 48, 3327-3348.	1.6	3
1898	Pathological Roles of INPP5D in Alzheimer's Disease. Advances in Experimental Medicine and Biology, 2023, , 289-301.	0.8	0
1900	Alzheimer's disease therapeutics. , 2023, , 405-473.		0

#	Article	IF	CITATIONS
1902	The therapeutic potential of targeting regulated non-apoptotic cell death. Nature Reviews Drug Discovery, 2023, 22, 723-742.	21.5	30
1906	Pyroptosis Induction and Visualization at the Single-Cell Level Using Optogenetics. Methods in Molecular Biology, 2023, , 135-147.	0.4	0
1907	Methods to Study Inflammasome Activation in the Central Nervous System: Immunoblotting and Immunohistochemistry. Methods in Molecular Biology, 2023, , 223-238.	0.4	1
1908	Measuring NLR Oligomerization II: Detection of ASC Speck Formation by Confocal Microscopy and Immunofluorescence. Methods in Molecular Biology, 2023, , 73-92.	0.4	0
1922	Glycogen Synthase Kinase-3β, NLRP3 Inflammasome, and Alzheimer's Disease. Current Medical Science, 2023, 43, 847-854.	0.7	0
1924	Amentoflavone: Structure, Resources, Biosynthetic Pathway and Bioactivity and Pharmacology. , 2023, , 1-35.		0
1925	Amentoflavone: Structure, Resources, Bioactivity and Pharmacology. , 2023, , 1-35.		0
1926	Targeting NLRP3 inflammasome for neurodegenerative disorders. Molecular Psychiatry, 2023, 28, 4512-4527.	4.1	1
1941	Applications of Induced Pluripotent Stem Cell-Derived Glia in Brain Disease Research and Treatment. Handbook of Experimental Pharmacology, 2023, , .	0.9	0
1968	Drugging the NLRP3 inflammasome: from signalling mechanisms to therapeutic targets. Nature Reviews Drug Discovery, 2024, 23, 43-66.	21.5	3
1984	Molecular Pathomechanisms of Crystal-Induced Disorders. Contemporary Cardiology, 2023, , 275-296.	0.0	0
2008	The role of inflammasomes in human diseases and their potential as therapeutic targets. Signal Transduction and Targeted Therapy, 2024, 9, .	7.1	2
2009	Cerebrospinal fluid proteomics in patients with Alzheimer's disease reveals five molecular subtypes with distinct genetic risk profiles. Nature Aging, 2024, 4, 33-47.	5 <b>.</b> 3	5
2010	Inflammasomes in neurological disorders — mechanisms and therapeutic potential. Nature Reviews Neurology, 2024, 20, 67-83.	4.9	2
2022	Neuroinflammation in Alzheimer's disease. , 2024, , 13-32.		0
2025	A comprehensive review on ginger-derived exosome-like nanoparticles as feasible therapeutic nano-agents against diseases. Materials Advances, 2024, 5, 1846-1867.	2.6	0
2027	Amyloids as endogenous toxicants in neurodegenerative diseases. , 2024, , 1059-1081.		0