## A Unique Microglia Type Associated with Restricting De

Cell 169, 1276-1290.e17 DOI: 10.1016/j.cell.2017.05.018

Citation Report

#	Article	IF	CITATIONS
1	DAMed in (Trem) 2 Steps. Cell, 2017, 169, 1172-1174.	28.9	7
2	Deciphering microglial diversity in Alzheimer's disease. Science, 2017, 356, 1123-1124.	12.6	15
3	Autophagy gene FIP200 in neural progenitors non–cell autonomously controls differentiation by regulating microglia. Journal of Cell Biology, 2017, 216, 2581-2596.	5.2	32
4	RIPK1 promotes inflammation and β-amyloid accumulation in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10813-10814.	7.1	16
5	TREM2: Keeping Microglia Fit during Good Times and Bad. Cell Metabolism, 2017, 26, 590-591.	16.2	8
6	The promise of spatial transcriptomics for neuroscience in the era of molecular cell typing. Science, 2017, 358, 64-69.	12.6	333
7	Single-cell transcriptomics to explore the immune system in health and disease. Science, 2017, 358, 58-63.	12.6	440
8	TREM2 deficiency attenuates neuroinflammation and protects against neurodegeneration in a mouse model of tauopathy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11524-11529.	7.1	328
9	Temporal Tracking of Microglia Activation in Neurodegeneration at Single-Cell Resolution. Cell Reports, 2017, 21, 366-380.	6.4	538
10	Lipoprotein Lipase Maintains Microglial Innate Immunity in Obesity. Cell Reports, 2017, 20, 3034-3042.	6.4	89
11	Early and Late CNS Inflammation in Alzheimer's Disease: Two Extremes of a Continuum?. Trends in Pharmacological Sciences, 2017, 38, 956-966.	8.7	119
12	The TREM2-APOE Pathway Drives the Transcriptional Phenotype of Dysfunctional Microglia in Neurodegenerative Diseases. Immunity, 2017, 47, 566-581.e9.	14.3	1,741
13	A Tale of Two Genes: Microglial Apoe and Trem2. Immunity, 2017, 47, 398-400.	14.3	43
14	Microglia emerge as central players in brain disease. Nature Medicine, 2017, 23, 1018-1027.	30.7	1,208
15	RIPK1 mediates a disease-associated microglial response in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8788-E8797.	7.1	265
16	<scp>TREM</scp> 2 shedding by cleavage at the H157‣158 bond is accelerated for the Alzheimer's diseaseâ€associated H157Y variant. EMBO Molecular Medicine, 2017, 9, 1366-1378.	6.9	120
17	Can immunotherapy treat neurodegeneration?. Science, 2017, 357, 254-255.	12.6	39
18	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. Science, 2017, 358, 1622-1626.	12.6	176

TION RED

		PORT	
# 19	ARTICLE A genetically distinct microglial subset promotes myelination. EMBO Journal, 2017, 36, 3269-3271.	IF 7.8	Citations 9
20	A protective population?. Nature Reviews Neuroscience, 2017, 18, 454-454.	10.2	3
21	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. Neuron, 2017, 96, 1290-1302.e6.	8.1	107
22	The Locomotion Tug-of-War: Cholinergic and Dopaminergic Interactions Outside the Striatum. Neuron, 2017, 96, 1208-1210.	8.1	0
23	United Again: STING and the Police. Neuron, 2017, 96, 1207-1208.	8.1	1
24	In Vivo Imaging of Microglial Calcium Signaling in Brain Inflammation and Injury. International Journal of Molecular Sciences, 2017, 18, 2366.	4.1	45
25	Tissue-Resident Macrophages in Fungal Infections. Frontiers in Immunology, 2017, 8, 1798.	4.8	42
26	Microglia Responses in Acute and Chronic Neurological Diseases: What Microglia-Specific Transcriptomic Studies Taught (and did Not Teach) Us. Frontiers in Aging Neuroscience, 2017, 9, 227.	3.4	70
27	Novel Influences of IL-10 on CNS Inflammation Revealed by Integrated Analyses of Cytokine Networks and Microglial Morphology. Frontiers in Cellular Neuroscience, 2017, 11, 233.	3.7	19
28	Alzheimer's Disease: The Role of Microglia in Brain Homeostasis and Proteopathy. Frontiers in Neuroscience, 2017, 11, 680.	2.8	108
29	Reactive Astrocytes in Brain Metastasis. Frontiers in Oncology, 2017, 7, 298.	2.8	76
30	The Role of Microglia and Macrophages in CNS Homeostasis, Autoimmunity, and Cancer. Journal of Immunology Research, 2017, 2017, 1-12.	2.2	140
31	Immunology, one cell at a time. Nature, 2017, 547, 27-29.	27.8	33
32	Splitting the "Unsplittable†Dissecting Resident and Infiltrating Macrophages in Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2017, 18, 2072.	4.1	23
33	Lysophosphatidic acid via LPA-receptor 5/protein kinase D-dependent pathways induces a motile and pro-inflammatory microglial phenotype. Journal of Neuroinflammation, 2017, 14, 253.	7.2	51
34	TREM2 in Neurodegenerative Diseases. Molecular Neurodegeneration, 2017, 12, 56.	10.8	270
35	Microglia-mediated recovery from ALS-relevant motor neuron degeneration in a mouse model of TDP-43 proteinopathy. Nature Neuroscience, 2018, 21, 329-340.	14.8	220
36	Emerging targets for reprograming the immune response to promote repair and recovery of function after spinal cord injury. Current Opinion in Neurology, 2018, 31, 334-344.	3.6	51

#	Article	IF	CITATIONS
37	The role of TAM family receptors and ligands in the nervous system: From development to pathobiology. , 2018, 188, 97-117.		57
38	Elevated TREM2 Gene Dosage Reprograms Microglia Responsivity and Ameliorates Pathological Phenotypes in Alzheimer's Disease Models. Neuron, 2018, 97, 1032-1048.e5.	8.1	246
39	<scp>NGF</scp> steers microglia toward a neuroprotective phenotype. Glia, 2018, 66, 1395-1416.	4.9	72
40	ApoE facilitates the microglial response to amyloid plaque pathology. Journal of Experimental Medicine, 2018, 215, 1047-1058.	8.5	194
41	Cell-specific production, secretion, and function of apolipoprotein E. Journal of Molecular Medicine, 2018, 96, 361-371.	3.9	78
42	Plaqueâ€dependent morphological and electrophysiological heterogeneity of microglia in an <scp>A</scp> lzheimer's disease mouse model. Glia, 2018, 66, 1464-1480.	4.9	79
43	NLRP3-dependent synaptic plasticity deficit in an Alzheimer's disease amyloidosis model in vivo. Neurobiology of Disease, 2018, 114, 24-30.	4.4	58
44	The Evolving Landscape of Brain Metastasis. Trends in Cancer, 2018, 4, 176-196.	7.4	194
45	Leukocyte Isolation from Brain, Spinal Cord, and Meninges for Flow Cytometric Analysis. Current Protocols in Immunology, 2018, 121, e44.	3.6	25
46	New Beginnings in Alzheimer's Disease: The Most Prevalent Tauopathy. Journal of Alzheimer's Disease, 2018, 64, S529-S534.	2.6	6
47	Systems Immunology: Learning the Rules of the Immune System. Annual Review of Immunology, 2018, 36, 813-842.	21.8	70
48	Neuronal SphK1 acetylates COX2 and contributes to pathogenesis in a model of Alzheimer's Disease. Nature Communications, 2018, 9, 1479.	12.8	68
49	Innate immune memory in the brain shapes neurological disease hallmarks. Nature, 2018, 556, 332-338.	27.8	605
50	Athymic mice reveal a requirement for T-cell–microglia interactions in establishing a microenvironment supportive of <i>Nf1</i> low-grade glioma growth. Genes and Development, 2018, 32, 491-496.	5.9	45
51	TREM2-activating antibodies abrogate the negative pleiotropic effects of the Alzheimer's disease variant Trem2R47H on murine myeloid cell function. Journal of Biological Chemistry, 2018, 293, 12620-12633.	3.4	75
52	Interleukin 4 modulates microglia homeostasis and attenuates the early slowly progressive phase of amyotrophic lateral sclerosis. Cell Death and Disease, 2018, 9, 250.	6.3	52
53	Exploring the genetics and non-cell autonomous mechanisms underlying ALS/FTLD. Cell Death and Differentiation, 2018, 25, 648-662.	11.2	55
54	Sex, Gut, and Microglia. Developmental Cell, 2018, 44, 137-138.	7.0	6

#	Article	IF	CITATIONS
55	<scp>T</scp> he microglial reaction signature revealed by <scp>RNA</scp> seq from individual mice. Glia, 2018, 66, 971-986.	4.9	51
56	High-Dimensional Single-Cell Mapping of Central Nervous System Immune Cells Reveals Distinct Myeloid Subsets in Health, Aging, and Disease. Immunity, 2018, 48, 380-395.e6.	14.3	638
57	Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia. Cellular Immunology, 2018, 330, 60-67.	3.0	12
58	Myeloid cell heterogeneity in cancer: not a single cell alike. Cellular Immunology, 2018, 330, 188-201.	3.0	127
59	Functional and structural damage of neurons by innate immune mechanisms during neurodegeneration. Cell Death and Disease, 2018, 9, 120.	6.3	79
60	Diverse Brain Myeloid Expression Profiles Reveal Distinct Microglial Activation States and Aspects of Alzheimer's Disease Not Evident in Mouse Models. Cell Reports, 2018, 22, 832-847.	6.4	499
61	Mass cytometry analysis of immune cells in the brain. Nature Protocols, 2018, 13, 377-391.	12.0	47
62	Innate immune alterations are elicited in microglial cells before plaque deposition in the Alzheimer's disease mouse model 5xFAD. Scientific Reports, 2018, 8, 1550.	3.3	81
63	Single-Cell Genomics: A Stepping Stone for Future Immunology Discoveries. Cell, 2018, 172, 14-21.	28.9	214
64	The central nervous system: privileged by immune connections. Nature Reviews Immunology, 2018, 18, 83-84.	22.7	34
65	Erythromyeloid-Derived TREM2: A Major Determinant of Alzheimer's Disease Pathology in Down Syndrome. Journal of Alzheimer's Disease, 2018, 61, 1143-1162.	2.6	27
66	Developmental control of macrophage function. Current Opinion in Immunology, 2018, 50, 64-74.	5.5	65
67	Humanized TREM2 mice reveal microglia-intrinsic and -extrinsic effects of R47H polymorphism. Journal of Experimental Medicine, 2018, 215, 745-760.	8.5	182
68	Microglial interactions with the neurovascular system in physiology and pathology. Developmental Neurobiology, 2018, 78, 604-617.	3.0	81
69	Integrated biology approach reveals molecular and pathological interactions among Alzheimer's Aβ42, Tau, TREM2, and TYROBP in Drosophila models. Genome Medicine, 2018, 10, 26.	8.2	23
70	Amyloid-beta modulates microglial responses by binding to the triggering receptor expressed on myeloid cells 2 (TREM2). Molecular Neurodegeneration, 2018, 13, 15.	10.8	124
71	Activity dependent LoNA regulates translation by coordinating rRNA transcription and methylation. Nature Communications, 2018, 9, 1726.	12.8	73
72	New concepts in macrophage ontogeny in the adult neural retina. Cellular Immunology, 2018, 330, 79-85.	3.0	13

#	Article	IF	CITATIONS
73	Cellular players that shape evolving pathology and neurodegeneration following traumatic brain injury. Brain, Behavior, and Immunity, 2018, 71, 9-17.	4.1	51
74	Functional Studies of Missense TREM2 Mutations in Human Stem Cell-Derived Microglia. Stem Cell Reports, 2018, 10, 1294-1307.	4.8	124
75	Microglia activation in Niemann–Pick disease, type C1 is amendable to therapeutic intervention. Human Molecular Genetics, 2018, 27, 2076-2089.	2.9	54
76	Single-Cell RNA-Seq Reveals the Transcriptional Landscape and Heterogeneity of Aortic Macrophages in Murine Atherosclerosis. Circulation Research, 2018, 122, 1661-1674.	4.5	577
77	Toward a New Concept of Alzheimer's Disease Models: A Perspective from Neuroinflammation. Journal of Alzheimer's Disease, 2018, 64, S329-S338.	2.6	22
78	Tau and neuroinflammation: What impact for Alzheimer's Disease and Tauopathies?. Biomedical Journal, 2018, 41, 21-33.	3.1	262
79	Alzheimer's Disease, Oligomers, and Inflammation. Journal of Alzheimer's Disease, 2018, 62, 1261-1276.	2.6	141
80	Histone Deacetylases 1 and 2 Regulate Microglia Function during Development, Homeostasis, and Neurodegeneration in a Context-Dependent Manner. Immunity, 2018, 48, 514-529.e6.	14.3	144
81	Differential contribution of microglia and monocytes in neurodegenerative diseases. Journal of Neural Transmission, 2018, 125, 809-826.	2.8	84
82	Microglia-Mediated Neuroprotection, TREM2 , and Alzheimer's Disease: Evidence From OpticalÂlmaging. Biological Psychiatry, 2018, 83, 377-387.	1.3	84
83	Dendritic Polyglycerol Sulfates in the Prevention of Synaptic Loss and Mechanism of Action on Glia. ACS Chemical Neuroscience, 2018, 9, 260-271.	3.5	28
84	A novel role for osteopontin in macrophage-mediated amyloid-β clearance in Alzheimer's models. Brain, Behavior, and Immunity, 2018, 67, 163-180.	4.1	86
85	Microglia in Alzheimer's disease. Journal of Cell Biology, 2018, 217, 459-472.	5.2	1,188
86	The immunogenetics of neurological disease. Immunology, 2018, 153, 399-414.	4.4	59
87	Phagocytic Roles of Glial Cells in Healthy and Diseased Brains. Biomolecules and Therapeutics, 2018, 26, 350-357.	2.4	89
88	Single-cell RNA sequencing reveals microglia-like cells in cerebrospinal fluid during virologically suppressed HIV. JCI Insight, 2018, 3, .	5.0	85
89	Improving Mouse Models for Dementia. Are All the Effects in Tau Mouse Models Due to Overexpression?. Cold Spring Harbor Symposia on Quantitative Biology, 2018, 83, 151-161.	1.1	7
90	Overcoming the Blood–Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. Advanced Materials, 2018, 30, e1801362.	21.0	415

ARTICLE IF CITATIONS Report on the National Eye Institute's Audacious Goals Initiative: Creating a Cellular Environment for 1.9 9 91 Neuroregeneration. ENeuro, 2018, 5, ENEURO.0035-18.2018. Brain Theranostics and Radiotheranostics: Exosomes and Graphenes In Vivo as Novel Brain 1.0 Theranostics. Nuclear Medicine and Molecular Imaging, 2018, 52, 407-419. Partial reduction of microglia does not affect tau pathology in aged mice. Journal of 93 7.2 52 Neuroinflammation, 2018, 15, 311. Disease-specific oligodendrocyte lineage cells arise in multiple sclerosis. Nature Medicine, 2018, 24, 94 351 1837-1844. Developmental roles of microglia: A window into mechanisms of disease. Developmental Dynamics, 95 1.8 28 2019, 248, 98-117. <scp>CSF</scp> progranulin increases in the course of Alzheimer's disease and is associated with
<scp>sTREM</scp> 2, neurodegeneration and cognitive decline. EMBO Molecular Medicine, 2018, 10, . 6.9 64 Peripheral Inflammation Enhances Microglia Response and Nigral Dopaminergic Cell Death in an in 97 3.7 67 vivo MPTP Model of Parkinson's Disease. Frontiers in Cellular Neuroscience, 2018, 12, 398. Diverse Protein Profiles in CNS Myeloid Cells and CNS Tissue From Lipopolysaccharide- and Vehicle-Injected APPSWE/PS1î"E9 Transgenic Mice Implicate Cathepsin Z in Alzheimer's Disease. Frontiers 26 in Cellular Neuroscience, 2018, 12, 397. Interplay Between the Unfolded Protein Response and Immune Function in the Development of 99 32 4.8 Neurodégenerative Diseases. Frontiers in Immunology, 2018, 9, 2541. Contribution of Neurons and Glial Cells to Complement-Mediated Synapse Removal during 54 Development, Aging and in Alzheimer's Disease. Mediators of Inflammation, 2018, 2018, 1-12. Complement C3aR Inactivation Attenuates Tau Pathology and Reverses an Immune Network Deregulated 101 306 8.1 in Tauopathy Models and Alzheimer's Disease. Neuron, 2018, 100, 1337-1353.e5. The Role of Glial Cells and Synapse Loss in Mouse Models of Alzheimer's Disease. Frontiers in Cellular 3.7 24 Neuroscience, 2018, 12, 473. Genome-wide RNAseq study of the molecular mechanisms underlying microglia activation in response to pathological tau perturbation in the rTg4510 tau transgenic animal model. Molecular 103 10.8 62 Neurodegeneration, 2018, 13, 65. Microglia in Neurological Diseases: A Road Map to Brain-Disease Dependent-Inflammatory Response. 104 Frontiers in Cellular Neuroscience, 2018, 12, 488. Identification of new molecular targets for PET imaging of the microglial anti-inflammatory 105 10.0 48 activation state. Theranostics, 2018, 8, 5400-5418. Kinase-Based Taming of Brain Microglia Toward Disease-Modifying Therapy. Frontiers in Cellular Neuroscience, 2018, 12, 474. Molecular Mechanisms of Synaptotoxicity and Neuroinflammation in Alzheimer's Disease. Frontiers in 107 2.8 65 Neuroscience, 2018, 12, 963. Transcriptome-wide isoform-level dysregulation in ASD, schizophrenia, and bipolar disorder. Science, 2018, 362, .

#	Article	IF	CITATIONS
109	TREM2 triggers microglial density and ageâ€related neuronal loss. Glia, 2019, 67, 539-550.	4.9	84
110	Engrafted parenchymal brain macrophages differ from microglia in transcriptome, chromatin landscape and response to challenge. Nature Communications, 2018, 9, 5206.	12.8	166
111	Single cell dissection of plasma cell heterogeneity in symptomatic and asymptomatic myeloma. Nature Medicine, 2018, 24, 1867-1876.	30.7	179
112	The Multifarious Role of Microglia in Brain Metastasis. Frontiers in Cellular Neuroscience, 2018, 12, 414.	3.7	25
113	Divergent Effects of Metformin on an Inflammatory Model of Parkinson's Disease. Frontiers in Cellular Neuroscience, 2018, 12, 440.	3.7	43
114	Commentary on Some Recent Theses Relevant to Combating Aging: December 2018. Rejuvenation Research, 2018, 21, 580-586.	1.8	9
115	Distinct Microglial Responses in Two Transgenic Murine Models of TAU Pathology. Frontiers in Cellular Neuroscience, 2018, 12, 421.	3.7	23
116	Microglia in Alzheimer's Disease: Risk Factors and Inflammation. Frontiers in Neurology, 2018, 9, 978.	2.4	96
117	A Single-Cell Sequencing Guide for Immunologists. Frontiers in Immunology, 2018, 9, 2425.	4.8	167
118	Inflammation: the link between comorbidities, genetics, and Alzheimer's disease. Journal of Neuroinflammation, 2018, 15, 276.	7.2	353
119	TREM2 — a key player in microglial biology and Alzheimer disease. Nature Reviews Neurology, 2018, 14, 667-675.	10.1	396
120	Alzheimer's disease (AD) therapeutics – 2: Beyond amyloid – Re-defining AD and its causality to discover effective therapeutics. Biochemical Pharmacology, 2018, 158, 376-401.	4.4	24
121	Caspases orchestrate microglia instrumental functions. Progress in Neurobiology, 2018, 171, 50-71.	5.7	27
122	Peripheral immune system in aging and Alzheimer's disease. Molecular Neurodegeneration, 2018, 13, 51.	10.8	143
123	The identity and function of microglia in neurodegeneration. Nature Immunology, 2018, 19, 1048-1058.	14.5	241
124	Selective vulnerability in neurodegenerative diseases. Nature Neuroscience, 2018, 21, 1350-1358.	14.8	384
125	Inflammation: Bridging Age, Menopause and APOEε4 Genotype to Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 312.	3.4	49
126	Propagation and spread of pathogenic protein assemblies in neurodegenerative diseases. Nature Neuroscience, 2018, 21, 1341-1349.	14.8	289

	CITATION R	EPORT	
#	Article	IF	CITATIONS
127	Microglia in neurodegeneration. Nature Neuroscience, 2018, 21, 1359-1369.	14.8	1,034
128	Aldosterone exerts anti-inflammatory effects on LPS stimulated microglia. Heliyon, 2018, 4, e00826.	3.2	5
129	Targeting neuro–immune communication in neurodegeneration: Challenges and opportunities. Journal of Experimental Medicine, 2018, 215, 2702-2704.	8.5	21
130	Analysis of Progression Toward Alzheimer's Disease Based on Evolutionary Weighted Random Support Vector Machine Cluster. Frontiers in Neuroscience, 2018, 12, 716.	2.8	9
131	Single-Cell Transcriptomics. , 2018, , 1-22.		0
132	The Early Events That Initiate β-Amyloid Aggregation in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 359.	3.4	85
133	Large-scale reconstruction of cell lineages using single-cell readout of transcriptomes and CRISPR–Cas9 barcodes by scGESTALT. Nature Protocols, 2018, 13, 2685-2713.	12.0	55
134	The Meningeal Lymphatic System: A New Player in Neurophysiology. Neuron, 2018, 100, 375-388.	8.1	306
135	Clinical PET Imaging of Microglial Activation: Implications for Microglial Therapeutics in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 314.	3.4	60
136	VISTA expression by microglia decreases during inflammation and is differentially regulated in CNS diseases. Glia, 2018, 66, 2645-2658.	4.9	57
137	Fibrin-targeting immunotherapy protects against neuroinflammation and neurodegeneration. Nature Immunology, 2018, 19, 1212-1223.	14.5	149
138	Role of triggering receptor expressed on myeloid cells 2 in neuroinflammation and neurodegeneration of the central nervous system. Clinical and Experimental Neuroimmunology, 2018, 9, 219-224.	1.0	1
139	Distinct microglia profile in Creutzfeldt–Jakob disease and Alzheimer's disease is independent of disease kinetics. Neuropathology, 2018, 38, 591-600.	1.2	3
140	Genome-Wide Association and Mechanistic Studies Indicate That Immune Response Contributes to Alzheimer's Disease Development. Frontiers in Genetics, 2018, 9, 410.	2.3	50
141	Cytokines as Mediators of Neuroinflammation in Experimental Autoimmune Encephalomyelitis. Biochemistry (Moscow), 2018, 83, 1089-1103.	1.5	9
142	Modulation of astrocyte reactivity improves functional deficits in mouse models of Alzheimer's disease. Acta Neuropathologica Communications, 2018, 6, 104.	5.2	134
143	Epothilone B Benefits Nigral Dopaminergic Neurons by Attenuating Microglia Activation in the 6-Hydroxydopamine Lesion Mouse Model of Parkinson's Disease. Frontiers in Cellular Neuroscience, 2018, 12, 324.	3.7	20
144	Cull(atsm) Attenuates Neuroinflammation. Frontiers in Neuroscience, 2018, 12, 668.	2.8	26

		CITATION R	EPORT	
#	Article		IF	CITATIONS
145	Microglia in Alzheimer's Disease: A Role for Ion Channels. Frontiers in Neuroscience, 20	18, 12, 676.	2.8	31
146	Unravelling the glial response in the pathogenesis of Alzheimer's disease. FASEB Journa 5766-5777.	l, 2018, 32,	0.5	30
147	Glycoprotein NMB: a novel Alzheimer's disease associated marker expressed in a su microglia. Acta Neuropathologica Communications, 2018, 6, 108.	bset of activated	5.2	107
148	Early lysosomal maturation deficits in microglia triggers enhanced lysosomal activity in cells of progranulin knockout mice. Molecular Neurodegeneration, 2018, 13, 48.	other brain	10.8	62
149	Rodent models for Alzheimer disease. Nature Reviews Neuroscience, 2018, 19, 583-598	3.	10.2	240
150	Unique microglia recovery population revealed by single-cell RNAseq following neurode Acta Neuropathologica Communications, 2018, 6, 87.	generation.	5.2	72
151	Inflammation as a central mechanism in Alzheimer's disease. Alzheimer's and Dementia Research and Clinical Interventions, 2018, 4, 575-590.	: Translational	3.7	1,254
152	Microglial signatures and their role in health and disease. Nature Reviews Neuroscience 622-635.	, 2018, 19,	10.2	599
153	The Trem2 R47H Alzheimer's risk variant impairs splicing and reduces Trem2 mRNA but not in humans. Molecular Neurodegeneration, 2018, 13, 49.	and protein in mice	10.8	91
154	Complement C3-Targeted Gene Therapy Restricts Onset and Progression of Neurodege Chronic Mouse Glaucoma. Molecular Therapy, 2018, 26, 2379-2396.	neration in	8.2	89
155	Singleâ€cell transcriptomics reveals distinct inflammationâ€induced microglia signatur 2018, 19, .	es. EMBO Reports,	4.5	186
156	Human Alzheimer's disease gene expression signatures and immune profile in APP i discrete transcriptomic view of Al² plaque pathology. Journal of Neuroinflammation, 20	nouse models: a 18, 15, 256.	7.2	35
157	Butyrate Protects Mice Against Methionine–Choline-Deficient Diet-Induced Non-alcol Steatohepatitis by Improving Gut Barrier Function, Attenuating Inflammation and Redu Levels. Frontiers in Microbiology, 2018, 9, 1967.	nolic cing Endotoxin	3.5	154
158	A Closer Look into the Role of Protein Tau in the Identification of Promising Therapeutic Alzheimer's Disease. Brain Sciences, 2018, 8, 162.	: Targets for	2.3	8
159	Single-cell genomics to guide human stem cell and tissue engineering. Nature Methods 661-667.	, 2018, 15,	19.0	52
160	Macrophages in inflammation, repair and regeneration. International Immunology, 201	8, 30, 511-528.	4.0	402
161	Macrophages and Cardiovascular Health. Physiological Reviews, 2018, 98, 2523-2569.		28.8	79
162	Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. Cell, 2 1073-1081.	.018, 173,	28.9	765

		REPORT	
# 163	ARTICLE 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.	IF 4.0	Citations 255
164	A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. Nature Communications, 2018, 9, 2036.	12.8	152
165	Microglia and macrophages in brain homeostasis and disease. Nature Reviews Immunology, 2018, 18, 225-242.	22.7	1,263
166	APOE4 Causes Widespread Molecular and Cellular Alterations Associated with Alzheimer's Disease Phenotypes in Human iPSC-Derived Brain Cell Types. Neuron, 2018, 98, 1141-1154.e7.	8.1	665
167	Isolation and Phenotyping of Adult Mouse Microglial Cells. Methods in Molecular Biology, 2018, 1784, 77-86.	0.9	42
168	Is Targeting the Inflammasome a Way Forward for Neuroscience Drug Discovery?. SLAS Discovery, 2018, 23, 991-1017.	2.7	17
169	Creating Lineage Trajectory Maps Via Integration of Single ell RNA‣equencing and Lineage Tracing. BioEssays, 2018, 40, e1800056.	2.5	21
170	Specialized functions of resident macrophages in brain and heart. Journal of Leukocyte Biology, 2018, 104, 743-756.	3.3	24
171	New tricks for an ancient system: Physiological and pathological roles of complement in the CNS. Molecular Immunology, 2018, 102, 3-13.	2.2	85
172	The Microglial Response to Neurodegenerative Disease. Advances in Immunology, 2018, 139, 1-50.	2.2	22
173	Neuronal integrity and complement control synaptic material clearance by microglia after CNS injury. Journal of Experimental Medicine, 2018, 215, 1789-1801.	8.5	85
174	Aging and Alzheimer's disease: Comparison and associations from molecular to system level. Aging Cell, 2018, 17, e12802.	6.7	180
175	In vivo Imaging of Glial Activation in Alzheimer's Disease. Frontiers in Neurology, 2018, 9, 625.	2.4	71
176	A Novel scFv Anti-Aβ Antibody Reduces Pathological Impairments in APP/PS1 Transgenic Mice via Modulation of Inflammatory Cytokines and Aβ-related Enzymes. Journal of Molecular Neuroscience, 2018, 66, 1-9.	2.3	2
177	Quantitative proteomics of acutely-isolated mouse microglia identifies novel immune Alzheimer's disease-related proteins. Molecular Neurodegeneration, 2018, 13, 34.	10.8	100
178	Microglial translational profiling reveals a convergent APOE pathway from aging, amyloid, and tau. Journal of Experimental Medicine, 2018, 215, 2235-2245.	8.5	167
179	Contributions of monocytes to nervous system disorders. Journal of Molecular Medicine, 2018, 96, 873-883.	3.9	27
180	A Perspective of AMD Through the Eyes of Immunology. , 2018, 59, AMD83.		52

#	Article	IF	CITATIONS
181	Bioinspired, nanoscale approaches in contemporary bioanalytics (Review). Biointerphases, 2018, 13, 040801.	1.6	12
182	Functional aspects of meningeal lymphatics in ageing and Alzheimer's disease. Nature, 2018, 560, 185-191.	27.8	839
183	TREM2-Dependent Effects on Microglia in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 202.	3.4	60
184	The Role of Microglia in the Spread of Tau: Relevance for Tauopathies. Frontiers in Cellular Neuroscience, 2018, 12, 172.	3.7	92
185	Microglia Responses to Pro-inflammatory Stimuli (LPS, IFNγ+TNFα) and Reprogramming by Resolving Cytokines (IL-4, IL-10). Frontiers in Cellular Neuroscience, 2018, 12, 215.	3.7	242
186	From the Human Cell Atlas to dynamic immune maps in human disease. Nature Reviews Immunology, 2018, 18, 597-598.	22.7	23
187	Neuroinflammation: Microglia and T Cells Get Ready to Tango. Frontiers in Immunology, 2017, 8, 1905.	4.8	257
188	Differential Phagocytic Properties of CD45low Microglia and CD45high Brain Mononuclear Phagocytes—Activation and Age-Related Effects. Frontiers in Immunology, 2018, 9, 405.	4.8	102
189	Brain-Resident Microglia and Blood-Borne Macrophages Orchestrate Central Nervous System Inflammation in Neurodegenerative Disorders and Brain Cancer. Frontiers in Immunology, 2018, 9, 697.	4.8	164
190	Microglia in Alzheimer's Disease: Activated, Dysfunctional or Degenerative. Frontiers in Aging Neuroscience, 2018, 10, 140.	3.4	160
191	Automated Morphological Analysis of Microglia After Stroke. Frontiers in Cellular Neuroscience, 2018, 12, 106.	3.7	169
192	Comparing Effects of Transforming Growth Factor β1 on Microglia From Rat and Mouse: Transcriptional Profiles and Potassium Channels. Frontiers in Cellular Neuroscience, 2018, 12, 115.	3.7	33
193	Microglia Gone Rogue: Impacts on Psychiatric Disorders across the Lifespan. Frontiers in Molecular Neuroscience, 2017, 10, 421.	2.9	151
194	Lipoprotein Lipase Is a Feature of Alternatively-Activated Microglia and May Facilitate Lipid Uptake in the CNS During Demyelination. Frontiers in Molecular Neuroscience, 2018, 11, 57.	2.9	59
195	Neuroinflammatory responses in experimental and human stroke lesions. Journal of Neuroimmunology, 2018, 323, 10-18.	2.3	52
196	The â€ <sup>-</sup> TranSeq' 3′â€end sequencing method for highâ€throughput transcriptomics and gene space refine in plant genomes. Plant Journal, 2018, 96, 223-232.	ement 5.7	23
197	Is †friendly fire' in the brain provoking Alzheimer's disease?. Nature, 2018, 556, 426-428.	27.8	38
198	Identification and therapeutic modulation of a pro-inflammatory subset of disease-associated-microglia in Alzheimer's disease. Molecular Neurodegeneration, 2018, 13, 24.	10.8	267

#	Article	IF	CITATIONS
199	The role of TREM2 in Alzheimer's disease and other neurodegenerative disorders. Lancet Neurology, The, 2018, 17, 721-730.	10.2	161
200	Comparative transcriptomics of choroid plexus in Alzheimer's disease, frontotemporal dementia and Huntington's disease: implications for CSF homeostasis. Fluids and Barriers of the CNS, 2018, 15, 18.	5.0	86
201	The Trem2 R47H variant confers loss-of-function-like phenotypes in Alzheimer's disease. Molecular Neurodegeneration, 2018, 13, 29.	10.8	147
202	The emerging roles of protein homeostasisâ€governing pathways in Alzheimer's disease. Aging Cell, 2018, 17, e12801.	6.7	88
203	The Microglial Innate Immune Receptor TREM2 Is Required for Synapse Elimination and Normal Brain Connectivity. Immunity, 2018, 48, 979-991.e8.	14.3	436
204	CD200-, CX3CL1-, and TREM2-mediated neuron-microglia interactions and their involvements in Alzheimer's disease. Reviews in the Neurosciences, 2018, 29, 837-848.	2.9	28
205	The contribution of microglia to early synaptic compensatory responses that precede β-amyloid-induced neuronal death. Scientific Reports, 2018, 8, 7297.	3.3	22
206	Microglial immune checkpoint mechanisms. Nature Neuroscience, 2018, 21, 779-786.	14.8	119
207	Emerging role of the P2X7-NLRP3-IL1β pathway in mood disorders. Psychoneuroendocrinology, 2018, 98, 95-100.	2.7	78
208	Interplay between innate immunity and Alzheimer disease: APOE and TREM2 in the spotlight. Nature Reviews Immunology, 2018, 18, 759-772.	22.7	394
209	Studying tissue macrophages in vitro: are iPSC-derived cells the answer?. Nature Reviews Immunology, 2018, 18, 716-725.	22.7	92
210	Electrochemical detection of Alzheimer's disease related substances in biofluids by silica nanochannel membrane modified glassy carbon electrodes. Analyst, The, 2018, 143, 4756-4763.	3.5	40
211	Recent progress in therapeutic strategies for microglia-mediated neuroinflammation in neuropathologies. Expert Opinion on Therapeutic Targets, 2018, 22, 765-781.	3.4	47
212	Microglia heterogeneity along a spatio–temporal axis: More questions than answers. Glia, 2018, 66, 2045-2057.	4.9	66
213	Role of metabolic programming in the modulation of microglia phagocytosis by lipids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 135, 63-73.	2.2	34
214	Riluzole reduces amyloid beta pathology, improves memory, and restores gene expression changes in a transgenic mouse model of early-onset Alzheimer's disease. Translational Psychiatry, 2018, 8, 153.	4.8	64
215	Roles of Microglial and Monocyte Chemokines and Their Receptors in Regulating Alzheimer's Disease-Associated Amyloid-β and Tau Pathologies. Frontiers in Neurology, 2018, 9, 549.	2.4	86
216	The Kaleidoscope of Microglial Phenotypes. Frontiers in Immunology, 2018, 9, 1753.	4.8	221

ARTICLE IF CITATIONS # Targeting Mitochondrial Metabolism in Neuroinflammation: Towards a Therapy for Progressive 217 6.7 59 Multiple Sclerosis. Trends in Molecular Medicine, 2018, 24, 838-855. Microglia and the Brain: Complementary Partners in Development and Disease. Annual Review of Cell 9.4 214 and Developmental Biology, 2018, 34, 523-544. Increased BBB Permeability Enhances Activation of Microglia and Exacerbates Loss of Dendritic Spines 219 3.7 61 After Transient Global Cerebral Ischemia. Frontiers in Cellular Neuroscience, 2018, 12, 236. Epigenetics Control Microglia Plasticity. Frontiers in Cellular Neuroscience, 2018, 12, 243. 94 Myeloid cells as therapeutic targets in neuroinflammation after stroke: Specific roles of neutrophils 221 and neutrophil–platelet interactions. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 4.3 83 2150-2164. Microglial TREM2/DAP12 Signaling: A Double-Edged Sword in Neural Diseases. Frontiers in Cellular 3.7 Neuroscience, 2018, 12, 206. CD200 modulates spinal cord injury neuroinflammation and outcome through CD200R1. Brain, 223 4.1 30 Behavior, and Immunity, 2018, 73, 416-426. NFâ $\in$ <sup>PB</sup>B activation in astrocytes drives a stageâ€specific beneficial neuroimmunological response in ALS. 224 108 EMBO Journal, 2018, 37, . Inflammation, neurodegeneration and protein aggregation in the retina as ocular biomarkers for 225 6.3 120 Alzheimerâ€<sup>™</sup>s disease in the 3xTg-AD mouse model. Cell Death and Disease, 2018, 9, 685. STAT3 labels a subpopulation of reactive astrocytes required for brain metastasis. Nature Medicine, 2018, 24, 1024-1035. The Neuro-Immune-Regulators (NIREGs) Promote Tissue Resilience; a Vital Component of the Host's 227 4.1 17 Defense Strategy against Neuroinflammation. Journal of NeuroImmune Pharmacology, 2018, 13, 309-329. Primate stem cells: bridge the translation from basic research to clinic application. Science China Life 228 Sciences, 2019, 62, 12-21. Cross-Species Analysis of Single-Cell Transcriptomic Data. Frontiers in Cell and Developmental 229 3.7 71 Biology, 2019, 7, 175. Questions and (some) answers on reactive astrocytes. Glia, 2019, 67, 2221-2247. 231 Microglia in Neurodegenerative Disorders. Methods in Molecular Biology, 2019, 2034, 57-67. 39 0.9 The basis of cellular and regional vulnerability in Alzheimer's disease. Acta Neuropathologica, 2019, 138, 729-749. Landscape of Intercellular Crosstalk in Healthy and NASH Liver Revealed by Single-Cell Secretome Gene 233 9.7 488 Analysis. Molecular Cell, 2019, 75, 644-660.e5. Neuro-regeneration Therapeutic for Alzheimer's Dementia: Perspectives on Neurotrophic Activity. 234 Trends in Pharmacological Sciences, 2019, 40, 655-668.

	Сітатіої	n Report	
# 235	ARTICLE Meox2 Haploinsufficiency Accelerates Axonal Degeneration in DBA/2J Glaucoma. , 2019, 60, 3283.	IF	Citations 5
236	Gracilin A Derivatives Target Early Events in Alzheimer's Disease: in Vitro Effects on Neuroinflammation and Oxidative Stress. ACS Chemical Neuroscience, 2019, 10, 4102-4111.	3.5	14
237	Microenvironmental Regulation of Tumor Progression and Therapeutic Response in Brain Metastasis. Frontiers in Immunology, 2019, 10, 1713.	4.8	144
238	Prospects and challenges of imaging neuroinflammation beyond TSPO in Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2831-2847.	6.4	45
239	A Therapeutic Strategy for Alzheimer's Disease Focused on Immune-inflammatory Modulation. Dementia and Neurocognitive Disorders, 2019, 18, 33.	1.4	20
240	Morphology of Microglia Across Contexts of Health and Disease. Methods in Molecular Biology, 2019, 2034, 13-26.	0.9	106
241	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.	2.8	98
242	Cell-autonomous and non-cell autonomous effects of neuronal BIN1 loss in vivo. PLoS ONE, 2019, 14, e0220125.	2.5	17
243	Neuroinflammation as a Common Feature of Neurodegenerative Disorders. Frontiers in Pharmacology, 2019, 10, 1008.	3.5	430
244	Microglia Express Insulin-Like Growth Factor-1 in the Hippocampus of Aged APPswe/PS1ΔE9 Transgenic Mice. Frontiers in Cellular Neuroscience, 2019, 13, 308.	3.7	24
245	Microglia. Methods in Molecular Biology, 2019, , .	0.9	1
246	Functionalization of Brain Region-specific Spheroids with Isogenic Microglia-like Cells. Scientific Reports, 2019, 9, 11055.	3.3	119
247	CNS cell type–specific gene profiling of P301S tau transgenic mice identifies genes dysregulated by progressive tau accumulation. Journal of Biological Chemistry, 2019, 294, 14149-14162.	3.4	10
248	The interplay between microglial states and major risk factors in Alzheimer's disease through the eyes of single-cell RNA-sequencing: beyond black and white. Journal of Neurophysiology, 2019, 122, 1291-1296.	1.8	7
249	Microglial subtypes: diversity within the microglial community. EMBO Journal, 2019, 38, e101997.	7.8	345
250	CSF-1 controls cerebellar microglia and is required for motor function and social interaction. Journal of Experimental Medicine, 2019, 216, 2265-2281.	8.5	138
251	Sustained microglial depletion with CSF1R inhibitor impairs parenchymal plaque development in an Alzheimer's disease model. Nature Communications, 2019, 10, 3758.	12.8	478
252	Supervised pathway analysis of blood gene expression profiles in Alzheimer's disease. Neurobiology of Aging, 2019, 84, 98-108.	3.1	7

#	Article	IF	CITATIONS
253	Blood-brain barrier and innate immunity in the pathogenesis of Alzheimer's disease. Progress in Molecular Biology and Translational Science, 2019, 168, 99-145.	1.7	23
254	Neuroinflammation in frontotemporal dementia. Nature Reviews Neurology, 2019, 15, 540-555.	10.1	159
255	Neuroinflammation and Glial Phenotypic Changes in Alpha-Synucleinopathies. Frontiers in Cellular Neuroscience, 2019, 13, 263.	3.7	54
256	Transcriptional regulation of homeostatic and diseaseâ€associatedâ€microglial genes by IRF1, LXRβ, and CEBPα. Glia, 2019, 67, 1958-1975.	4.9	48
257	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-l³-dependent mechanism. Journal of Neuroinflammation, 2019, 16, 143.	7.2	48
258	Recent Developments in TSPO PET Imaging as A Biomarker of Neuroinflammation in Neurodegenerative Disorders. International Journal of Molecular Sciences, 2019, 20, 3161.	4.1	173
259	TREM1-ors shake the brain and gut after stroke. Nature Immunology, 2019, 20, 950-952.	14.5	4
260	Efficacy and mechanism of cCAMP to suppress Alzheimer's disease by elevating TREM2. Brain, Behavior, and Immunity, 2019, 81, 495-508.	4.1	39
261	TREM2 Acts Downstream of CD33 in Modulating Microglial Pathology in Alzheimer's Disease. Neuron, 2019, 103, 820-835.e7.	8.1	222
262	Impact of TREM2 risk variants on brain region-specific immune activation and plaque microenvironment in Alzheimer's disease patient brain samples. Acta Neuropathologica, 2019, 138, 613-630.	7.7	68
263	Non-coding variability at the APOE locus contributes to the Alzheimer's risk. Nature Communications, 2019, 10, 3310.	12.8	91
264	Letter to the Editor concerning "Influence of microglia and astrocyte activation in the neuroinflammatory pathogenesis of Alzheimer's disease: Rational insights for the therapeutic approachesâ€: Journal of Clinical Neuroscience, 2019, 68, 354.	1.5	0
265	Development of a Chimeric Model to Study and Manipulate Human Microglia InÂVivo. Neuron, 2019, 103, 1016-1033.e10.	8.1	218
266	Systemic inflammation impairs microglial Aβ clearance through <scp>NLRP</scp> 3 inflammasome. EMBO Journal, 2019, 38, e101064.	7.8	226
267	Molecular Mechanisms of Microglial Motility: Changes in Ageing and Alzheimer's Disease. Cells, 2019, 8, 639.	4.1	93
269	Direct and indirect effects of lipids on microglia function. Neuroscience Letters, 2019, 708, 134348.	2.1	23
270	The pro-remyelination properties of microglia in the central nervous system. Nature Reviews Neurology, 2019, 15, 447-458.	10.1	230
271	TREM2 is required for microglial instruction of astrocytic synaptic engulfment in neurodevelopment. Glia, 2019, 67, 1873-1892.	4.9	54

#	Article	IF	CITATIONS
272	Long-Term Pantethine Treatment Counteracts Pathologic Gene Dysregulation and Decreases Alzheimer's Disease Pathogenesis in a Transgenic Mouse Model. Neurotherapeutics, 2019, 16, 1237-1254.	4.4	9
273	CD200 dysfunction in neuron contributes to synaptic deficits and cognitive impairment. Biochemical and Biophysical Research Communications, 2019, 516, 1053-1059.	2.1	21
274	Lipid-Associated Macrophages Control Metabolic Homeostasis in a Trem2-Dependent Manner. Cell, 2019, 178, 686-698.e14.	28.9	718
275	A Breakdown in Metabolic Reprogramming Causes Microglia Dysfunction in Alzheimer's Disease. Cell Metabolism, 2019, 30, 493-507.e6.	16.2	374
276	An 80,000-Piece Puzzle of Alzheimer's Disease. Immunity, 2019, 50, 1349-1351.	14.3	5
277	Targeting microglia in brain disorders. Science, 2019, 365, 32-33.	12.6	85
278	Altered Insulin Signaling in Alzheimer's Disease Brain – Special Emphasis on PI3K-Akt Pathway. Frontiers in Neuroscience, 2019, 13, 629.	2.8	235
279	Intersection of pathological tau and microglia at the synapse. Acta Neuropathologica Communications, 2019, 7, 109.	5.2	119
280	Genetic variability in response to amyloid beta deposition influences Alzheimer's disease risk. Brain Communications, 2019, 1, fcz022.	3.3	67
281	Immunology Driven by Large-Scale Single-Cell Sequencing. Trends in Immunology, 2019, 40, 1011-1021.	6.8	62
282	Lack of hepatic apoE does not influence early AÎ <sup>2</sup> deposition: observations from a new APOE knock-in model. Molecular Neurodegeneration, 2019, 14, 37.	10.8	76
283	Myeloperoxidase Deficiency Inhibits Cognitive Decline in the 5XFAD Mouse Model of Alzheimer's Disease. Frontiers in Neuroscience, 2019, 13, 990.	2.8	39
284	Reformulating Pro-Oxidant Microglia in Neurodegeneration. Journal of Clinical Medicine, 2019, 8, 1719.	2.4	47
285	TET2 Regulates the Neuroinflammatory Response in Microglia. Cell Reports, 2019, 29, 697-713.e8.	6.4	74
286	Transcriptional Networks of Microglia in Alzheimer's Disease and Insights into Pathogenesis. Genes, 2019, 10, 798.	2.4	19
287	Cien Años de MicroglÃa: Milestones in a Century of Microglial Research. Trends in Neurosciences, 2019, 42, 778-792.	8.6	131
288	Microglia: Same same, but different. Journal of Experimental Medicine, 2019, 216, 2223-2225.	8.5	13
289	Exacerbation of C1q dysregulation, synaptic loss and memory deficits in tau pathology linked to neuronal adenosine A2A receptor. Brain, 2019, 142, 3636-3654.	7.6	71

#	Article	IF	CITATIONS
290	Microglia as Dynamic Cellular Mediators of Brain Function. Trends in Molecular Medicine, 2019, 25, 967-979.	6.7	107
291	Revisiting Vascular Remodeling in the Single-Cell Transcriptome Era. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1896-1898.	2.4	1
292	Transcriptome profiling of brain myeloid cells revealed activation of Itgal, Trem1, and Spp1 in western diet-induced obesity. Journal of Neuroinflammation, 2019, 16, 169.	7.2	32
293	The broad spectrum mixed-lineage kinase 3 inhibitor URMC-099 prevents acute microgliosis and cognitive decline in a mouse model of perioperative neurocognitive disorders. Journal of Neuroinflammation, 2019, 16, 193.	7.2	25
294	Modulation of Microglia by Voluntary Exercise or CSF1R Inhibition Prevents Age-Related Loss of Functional Motor Units. Cell Reports, 2019, 29, 1539-1554.e7.	6.4	36
295	Microglia/Brain Macrophages as Central Drivers of Brain Tumor Pathobiology. Neuron, 2019, 104, 442-449.	8.1	190
296	ABCA7 haplodeficiency disturbs microglial immune responses in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23790-23796.	7.1	43
297	<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.	7.1	34
298	Alzheimer's Disease Progression in the 5×FAD Mouse Captured with a Multiplex Gene Expression Array. Journal of Alzheimer's Disease, 2019, 72, 1177-1191.	2.6	7
299	Function of Glia in Aging and the Brain Diseases. International Journal of Medical Sciences, 2019, 16, 1473-1479.	2.5	34
300	Postmortem Cortex Samples Identify Distinct Molecular Subtypes of ALS: Retrotransposon Activation, Oxidative Stress, and Activated Glia. Cell Reports, 2019, 29, 1164-1177.e5.	6.4	184
301	Brain cell type–specific enhancer–promoter interactome maps and disease <b>-</b> risk association. Science, 2019, 366, 1134-1139.	12.6	486
302	Origin and function of synovial macrophage subsets during inflammatory joint disease. Advances in Immunology, 2019, 143, 75-98.	2.2	23
303	Stem-cell-derived human microglia transplanted in mouse brain to study human disease. Nature Neuroscience, 2019, 22, 2111-2116.	14.8	176
304	Don't forget astrocytes when targeting Alzheimer's disease. British Journal of Pharmacology, 2019, 176, 3585-3598.	5.4	40
305	The Role of Microglia in the Homeostasis of the Central Nervous System and Neuroinflammation. Molecular Biology, 2019, 53, 696-703.	1.3	26
306	Role of Microglial Cells in Alzheimer's Disease Tau Propagation. Frontiers in Aging Neuroscience, 2019, 11, 271.	3.4	52
307	Death by microglia. Journal of Experimental Medicine, 2019, 216, 2451-2452.	8.5	2

#	Article	IF	CITATIONS
308	Increased soluble TREM2 in cerebrospinal fluid is associated with reduced cognitive and clinical decline in Alzheimer's disease. Science Translational Medicine, 2019, 11, .	12,4	192
309	Efficient and innocuous delivery of small interfering RNA to microglia using an amphiphilic dendrimer nanovector. Nanomedicine, 2019, 14, 2441-2459.	3.3	25
310	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.	4.8	20
311	In Vivo Phagocytosis Analysis of Amyloid Beta. Methods in Molecular Biology, 2019, 2034, 287-292.	0.9	10
313	Learning a Deep Representative Saliency Map With Sparse Tensors. IEEE Access, 2019, 7, 117861-117870.	4.2	2
314	CNS myeloid cell heterogeneity at the single-cell level. Neuroforum, 2019, 25, 195-204.	0.3	0
315	CSF1R inhibitor JNJ-40346527 attenuates microglial proliferation and neurodegeneration in P301S mice. Brain, 2019, 142, 3243-3264.	7.6	156
316	Microglia in Brain Development, Homeostasis, and Neurodegeneration. Annual Review of Genetics, 2019, 53, 263-288.	7.6	121
317	When encephalitogenic T cells collaborate with microglia in multiple sclerosis. Nature Reviews Neurology, 2019, 15, 704-717.	10.1	100
318	Mapping human cell phenotypes to genotypes with single-cell genomics. Science, 2019, 365, 1401-1405.	12.6	71
319	Central Nervous System Remyelination: Roles of Glia and Innate Immune Cells. Frontiers in Molecular Neuroscience, 2019, 12, 225.	2.9	49
320	Neuroglia in Neurodegenerative Diseases. Advances in Experimental Medicine and Biology, 2019, , .	1.6	18
321	TREM Receptors Connecting Bowel Inflammation to Neurodegenerative Disorders. Cells, 2019, 8, 1124.	4.1	35
322	Short-term sleep deprivation in mice induces B cell migration to the brain compartment. Sleep, 2020, 43, .	1.1	15
323	Alzheimer Disease: An Update on Pathobiology and Treatment Strategies. Cell, 2019, 179, 312-339.	28.9	1,675
324	Microglia Biology: One Century of Evolving Concepts. Cell, 2019, 179, 292-311.	28.9	772
325	Deciphering Brain Complexity Using Single-cell Sequencing. Genomics, Proteomics and Bioinformatics, 2019, 17, 344-366.	6.9	52
326	Anti-neuroinflammatory effects of a food-grade phenolic-enriched maple syrup extract in a mouse model of Alzheimer's disease. Nutritional Neuroscience, 2021, 24, 710-719.	3.1	20

#	Article	IF	Citations
327	Single-cell RNA-Sequencing in Neuroscience. Neuroforum, 2019, 25, 251-258.	0.3	2
328	MK0677, a Chrelin Mimetic, Improves Neurogenesis but Fails to Prevent Hippocampal Lesions in a Mouse Model of Alzheimer's Disease Pathology. Journal of Alzheimer's Disease, 2019, 72, 467-478.	2.6	14
329	Human brain development through the lens of cerebral organoid models. Brain Research, 2019, 1725, 146470.	2.2	22
330	Microglia in Alzheimer Disease: Well-Known Targets and New Opportunities. Frontiers in Aging Neuroscience, 2019, 11, 233.	3.4	228
331	One-Year Results of Using a Treat-and-Extend Regimen without a Loading Phase with Anti-VEGF Agents in Patients with Treatment-Naive Diabetic Macular Edema. Ophthalmologica, 2019, 241, 220-225.	1.9	24
332	Inflammation in Traumatic Brain Injury: Roles for Toxic A1 Astrocytes and Microglial–Astrocytic Crosstalk. Neurochemical Research, 2019, 44, 1410-1424.	3.3	82
333	Inhibition of monocyte-like cell extravasation protects from neurodegeneration in DBA/2J glaucoma. Molecular Neurodegeneration, 2019, 14, 6.	10.8	49
334	PD-1/PD-L1 checkpoint blockade harnesses monocyte-derived macrophages to combat cognitive impairment in a tauopathy mouse model. Nature Communications, 2019, 10, 465.	12.8	112
335	The P2X7 receptor: a new therapeutic target in Alzheimer's disease. Expert Opinion on Therapeutic Targets, 2019, 23, 165-176.	3.4	37
336	Modern approaches to investigating nonâ€neuronal aspects of Alzheimer's disease. FASEB Journal, 2019, 33, 1528-1535.	0.5	16
337	Drug Development for Alzheimer's Disease: Microglia Induced Neuroinflammation as a Target?. International Journal of Molecular Sciences, 2019, 20, 558.	4.1	99
338	Inflammatory mechanisms in neurodegeneration. Journal of Neurochemistry, 2019, 149, 562-581.	3.9	85
339	Single-cell RNA-seq denoising using a deep count autoencoder. Nature Communications, 2019, 10, 390.	12.8	668
340	Neuropathological correlates and genetic architecture of microglial activation in elderly human brain. Nature Communications, 2019, 10, 409.	12.8	121
341	Involvement of AMPâ€activated protein kinase in neuroinflammation and neurodegeneration in the adult and developing brain. International Journal of Developmental Neuroscience, 2019, 77, 48-59.	1.6	43
342	APOE Genotype Specific Effects on the Early Neurodegenerative Sequelae Following Chronic Repeated Mild Traumatic Brain Injury. Neuroscience, 2019, 404, 297-313.	2.3	25
343	CD4ÂT Cells Induce A Subset of MHCII-Expressing Microglia that Attenuates Alzheimer Pathology. IScience, 2019, 16, 298-311.	4.1	60
344	Proteomic signatures of neuroinflammation in Alzheimer's disease, multiple sclerosis and ischemic stroke. Expert Review of Proteomics, 2019, 16, 601-611.	3.0	14

#	Article	IF	CITATIONS
345	Microglia express GPNMB in the brains of Alzheimer's disease and Nasu-Hakola disease. Intractable and Rare Diseases Research, 2019, 8, 120-128.	0.9	21
346	Meningeal Memories of Viral Infection. Trends in Neurosciences, 2019, 42, 513-514.	8.6	2
347	Melatonin Suppresses Microglial Necroptosis by Regulating Deubiquitinating Enzyme A20 After Intracerebral Hemorrhage. Frontiers in Immunology, 2019, 10, 1360.	4.8	38
348	Do Microglial Sex Differences Contribute to Sex Differences in Neurodegenerative Diseases?. Trends in Molecular Medicine, 2019, 25, 741-749.	6.7	84
349	Single-Cell Multi-omic Integration Compares and Contrasts Features of Brain Cell Identity. Cell, 2019, 177, 1873-1887.e17.	28.9	844
350	Central nervous system regeneration is driven by microglia necroptosis and repopulation. Nature Neuroscience, 2019, 22, 1046-1052.	14.8	215
351	Peripheral versus central nervous system APOE in Alzheimer's disease: Interplay across the blood-brain barrier. Neuroscience Letters, 2019, 708, 134306.	2.1	38
352	The A1 astrocyte paradigm: New avenues for pharmacological intervention in neurodegeneration. Movement Disorders, 2019, 34, 959-969.	3.9	68
353	Adiponectin suppresses amyloid-β oligomer (AβO)-induced inflammatory response of microglia via AdipoR1-AMPK-NF-κB signaling pathway. Journal of Neuroinflammation, 2019, 16, 110.	7.2	78
354	Opposite microglial activation stages upon loss of <scp>PGRN</scp> or <scp>TREM</scp> 2 result in reduced cerebral glucose metabolism. EMBO Molecular Medicine, 2019, 11, .	6.9	87
355	Macrophages Do Not Express the Phagocytic Receptor BAI1/ADGRB1. Frontiers in Immunology, 2019, 10, 962.	4.8	17
356	Phagocytosis of Apoptotic Cells Is Specifically Upregulated in ApoE4 Expressing Microglia in vitro. Frontiers in Cellular Neuroscience, 2019, 13, 181.	3.7	26
357	Hexb enzyme deficiency leads to lysosomal abnormalities in radial glia and microglia in zebrafish brain development. Glia, 2019, 67, 1705-1718.	4.9	32
358	Microglia in post-mortem brain tissue of patients with bipolar disorder are not immune activated. Translational Psychiatry, 2019, 9, 153.	4.8	45
359	The Transcriptional Landscape of Microglial Genes in Aging and Neurodegenerative Disease. Frontiers in Immunology, 2019, 10, 1170.	4.8	51
360	Temporal profiling of Kv1.3 channel expression in brain mononuclear phagocytes following ischemic stroke. Journal of Neuroinflammation, 2019, 16, 116.	7.2	19
361	Cellular Specificity of NF-κB Function in the Nervous System. Frontiers in Immunology, 2019, 10, 1043.	4.8	201
362	Nanoscale Surveillance of the Brain by Microglia via cAMP-Regulated Filopodia. Cell Reports, 2019, 27, 2895-2908.e4.	6.4	149

	Сітаті	on Report	
#	Article	IF	CITATIONS
363	Single-cell transcriptomics unveils gene regulatory network plasticity. Genome Biology, 2019, 20, 110.	8.8	170
364	Human Dendritic Cell Subsets, Ontogeny, and Impact on HIV Infection. Frontiers in Immunology, 2019, 10, 1088.	4.8	91
365	Rev-erbs and Glia—Implications for Neurodegenerative Diseases. Journal of Experimental Neuroscience, 2019, 13, 117906951985323.	2.3	1
366	STAT6 mediates the effect of ethanol on neuroinflammatory response in TBI. Brain, Behavior, and Immunity, 2019, 81, 228-246.	4.1	31
367	Infection-Induced Systemic Inflammation Is a Potential Driver of Alzheimer's Disease Progression. Frontiers in Aging Neuroscience, 2019, 11, 122.	3.4	40
368	Decomposing Cell Identity for Transfer Learning across Cellular Measurements, Platforms, Tissues, and Species. Cell Systems, 2019, 8, 395-411.e8.	6.2	121
369	Single-cell transcriptomic analysis of Alzheimer's disease. Nature, 2019, 570, 332-337.	27.8	1,528
370	Updating Neuroimmune Targets in Central Nervous System Dysfunction. Trends in Pharmacological Sciences, 2019, 40, 482-494.	8.7	19
371	APOE genotype and sex affect microglial interactions with plaques in Alzheimer's disease mice. Acta Neuropathologica Communications, 2019, 7, 82.	5.2	64
372	The key genes, phosphoproteins, processes, and pathways affected by efavirenzâ€activated CYP46A1 in th amyloidâ€decreasing paradigm of efavirenz treatment. FASEB Journal, 2019, 33, 8782-8798.	e 0.5	22
373	HBEGF <sup>+</sup> macrophages in rheumatoid arthritis induce fibroblast invasiveness. Science Translational Medicine, 2019, 11, .	12.4	143
374	Genetically induced brain inflammation by <i>Cnp</i> deletion transiently benefits from microglia depletion. FASEB Journal, 2019, 33, 8634-8647.	0.5	19
375	Developmental Apoptosis Promotes a Disease-Related Gene Signature and Independence from CSF1R Signaling in Retinal Microglia. Cell Reports, 2019, 27, 2002-2013.e5.	6.4	53
376	The Behavioral Sequelae of Social Defeat Require Microglia and Are Driven by Oxidative Stress in Mice. Journal of Neuroscience, 2019, 39, 5594-5605.	3.6	85
377	MARS-seq2.0: an experimental and analytical pipeline for indexed sorting combined with single-cell RNA sequencing. Nature Protocols, 2019, 14, 1841-1862.	12.0	200
378	Depletion of microglia ameliorates white matter injury and cognitive impairment in a mouse chronic cerebral hypoperfusion model. Biochemical and Biophysical Research Communications, 2019, 514, 1040-1044.	2.1	20
379	The Major Risk Factors for Alzheimer's Disease: Age, Sex, and Genes Modulate the Microglia Response to Aβ Plaques. Cell Reports, 2019, 27, 1293-1306.e6.	6.4	527
380	Global Brain Transcriptome Analysis of a <i>Tpp1</i> Neuronal Ceroid Lipofuscinoses Mouse Model. ASN Neuro, 2019, 11, 175909141984339.	2.7	13

#	Article	IF	CITATIONS
381	Ultrastructural evidence of microglial heterogeneity in Alzheimer's disease amyloid pathology. Journal of Neuroinflammation, 2019, 16, 87.	7.2	73
382	Galectin-3, a novel endogenous TREM2 ligand, detrimentally regulates inflammatory response in Alzheimer's disease. Acta Neuropathologica, 2019, 138, 251-273.	7.7	187
383	Microglia roles in synaptic plasticity and myelination in homeostatic conditions and neurodevelopmental disorders. Glia, 2019, 67, 2125-2141.	4.9	71
384	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment. Nature Neuroscience, 2019, 22, 1021-1035.	14.8	603
385	Targeting RIPK1 for the treatment of human diseases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9714-9722.	7.1	258
386	Microglia responses to interleukinâ€6 and type I interferons in neuroinflammatory disease. Glia, 2019, 67, 1821-1841.	4.9	63
387	Soluble CX3CL1 gene therapy improves cone survival and function in mouse models of retinitis pigmentosa. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10140-10149.	7.1	35
388	MICâ€MAC: An automated pipeline for highâ€throughput characterization and classification of threeâ€dimensional microglia morphologies in mouse and human postmortem brain samples. Clia, 2019, 67, 1496-1509.	4.9	36
389	Phagocytosis in the Brain: Homeostasis and Disease. Frontiers in Immunology, 2019, 10, 790.	4.8	206
390	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.	14.3	217
390 391	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974. Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.	14.3 8.6	217 10
390 391 392	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.	14.3 8.6 14.8	217 10 21
390 391 392 393	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.         Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.	14.3 8.6 14.8 3.7	217 10 21 45
390 391 392 393	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.         Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.         Essential contributions of enhancer genomic regulatory elements to microglial cell identity and functions. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1449.	14.3 8.6 14.8 3.7 6.6	<ul> <li>217</li> <li>10</li> <li>21</li> <li>45</li> <li>1</li> </ul>
<ul> <li>390</li> <li>391</li> <li>392</li> <li>393</li> <li>394</li> <li>395</li> </ul>	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.         Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.         Essential contributions of enhancer genomic regulatory elements to microglial cell identity and functions. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1449.         Molecular profiling of resident and infiltrating mononuclear phagocytes during rapid adult retinal degeneration using single-cell RNA sequencing. Scientific Reports, 2019, 9, 4858.	14.3 8.6 14.8 3.7 6.6 3.3	<ul> <li>217</li> <li>10</li> <li>21</li> <li>45</li> <li>1</li> <li>67</li> </ul>
<ul> <li>390</li> <li>391</li> <li>392</li> <li>393</li> <li>394</li> <li>395</li> <li>396</li> </ul>	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.         Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.         Essential contributions of enhancer genomic regulatory elements to microglial cell identity and functions. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1449.         Molecular profiling of resident and infiltrating mononuclear phagocytes during rapid adult retinal degeneration using single-cell RNA sequencing. Scientific Reports, 2019, 9, 4858.         ApoE4: an emerging therapeutic target for Alzheimer〙s disease. BMC Medicine, 2019, 17, 64.	14.3 8.6 14.8 3.7 6.6 3.3 5.5	<ul> <li>217</li> <li>10</li> <li>21</li> <li>45</li> <li>1</li> <li>67</li> <li>282</li> </ul>
<ul> <li>390</li> <li>391</li> <li>392</li> <li>393</li> <li>394</li> <li>395</li> <li>396</li> <li>397</li> </ul>	Immune Signaling in Neurodegeneration. Immunity, 2019, 50, 955-974.         Fifty Shades of Microglia. Trends in Neurosciences, 2019, 42, 440-443.         Senescent glia spell trouble in Alzheimer's disease. Nature Neuroscience, 2019, 22, 683-684.         Repurposing the KCa3.1 inhibitor senicapoc for Alzheimer's disease. Annals of Clinical and Translational Neurology, 2019, 6, 723-738.         Essential contributions of enhancer genomic regulatory elements to microglial cell identity and functions. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1449.         Molecular profiling of resident and infiltrating mononuclear phagocytes during rapid adult retinal degeneration using single-cell RNA sequencing. Scientific Reports, 2019, 9, 4858.         ApoE4: an emerging therapeutic target for Alzheimer's disease. BMC Medicine, 2019, 17, 64.         Microglia-Specific Metabolic Changes in Neurodegeneration. Journal of Molecular Biology, 2019, 431, 1830-1842.	<ol> <li>14.3</li> <li>8.6</li> <li>14.8</li> <li>3.7</li> <li>6.6</li> <li>3.3</li> <li>5.5</li> <li>4.2</li> </ol>	<ul> <li>217</li> <li>10</li> <li>21</li> <li>45</li> <li>1</li> <li>67</li> <li>282</li> <li>83</li> </ul>

#	Article	IF	CITATIONS
399	A Quarter Century of APOE and Alzheimer's Disease: Progress to Date and the Path Forward. Neuron, 2019, 101, 820-838.	8.1	338
400	A modular analysis of microglia gene expression, insights into the aged phenotype. BMC Genomics, 2019, 20, 164.	2.8	24
401	Hypothalamic microglia as potential regulators of metabolic physiology. Nature Metabolism, 2019, 1, 314-320.	11.9	35
402	Soluble TREM2 ameliorates pathological phenotypes by modulating microglial functions in an Alzheimer's disease model. Nature Communications, 2019, 10, 1365.	12.8	217
403	Alzheimer's disease phospholipase C-gamma-2 (PLCG2) protective variant is a functional hypermorph. Alzheimer's Research and Therapy, 2019, 11, 16.	6.2	100
404	Microglial Progranulin: Involvement in Alzheimer's Disease and Neurodegenerative Diseases. Cells, 2019, 8, 230.	4.1	53
405	Microglial cell depletion is fatal with low levelÂpicornavirus infection of the central nervous system. Journal of NeuroVirology, 2019, 25, 415-421.	2.1	34
406	Multi-sensory Gamma Stimulation Ameliorates Alzheimer's-Associated Pathology and Improves Cognition. Cell, 2019, 177, 256-271.e22.	28.9	423
407	Transcriptional profiling of human microglia reveals grey–white matter heterogeneity and multiple sclerosis-associated changes. Nature Communications, 2019, 10, 1139.	12.8	214
408	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.	3.2	47
408 409	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985. Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.	3.2 14.3	47 235
408 409 410	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.	3.2 14.3 7.2	47 235 125
408 409 410 411	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.         The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.	<ul><li>3.2</li><li>14.3</li><li>7.2</li><li>3.6</li></ul>	47 235 125 26
408 409 410 411	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.         The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.         The role of microglia in viral encephalitis: a review. Journal of Neuroinflammation, 2019, 16, 76.	<ul> <li>3.2</li> <li>14.3</li> <li>7.2</li> <li>3.6</li> <li>7.2</li> </ul>	47 235 125 26 119
408 409 410 411 412 413	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.         The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.         The role of microglia in viral encephalitis: a review. Journal of Neuroinflammation, 2019, 16, 76.         Microglia immunometabolism: From metabolic disorders to single cell metabolism. Seminars in Cell and Developmental Biology, 2019, 94, 129-137.	<ul> <li>3.2</li> <li>14.3</li> <li>7.2</li> <li>3.6</li> <li>7.2</li> <li>5.0</li> </ul>	<ul> <li>47</li> <li>235</li> <li>125</li> <li>26</li> <li>119</li> <li>29</li> </ul>
408 409 410 411 412 413	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.         The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.         The role of microglia in viral encephalitis: a review. Journal of Neuroinflammation, 2019, 16, 76.         Microglia immunometabolism: From metabolic disorders to single cell metabolism. Seminars in Cell and Developmental Biology, 2019, 94, 129-137.         RNA Sequencing Reveals Small and Variable Contributions of Infectious Agents to Transcriptomes of Postmorterm Nervous Tissues From Amyotrophic Lateral Sclerosis, Alzheimer's Disease and Parkinson's Disease Activated Microglia. Frontiers in Neuroscience, 2019, 13, 235.	<ul> <li>3.2</li> <li>14.3</li> <li>7.2</li> <li>3.6</li> <li>7.2</li> <li>5.0</li> <li>2.8</li> </ul>	<ul> <li>47</li> <li>235</li> <li>125</li> <li>26</li> <li>29</li> </ul>
408 409 410 411 412 413 414	Single-Cell Genomics. Clinical Chemistry, 2019, 65, 972-985.         Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. Immunity, 2019, 50, 723-737.e7.         Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. Journal of Neuroinflammation, 2019, 16, 74.         The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.         The role of microglia in viral encephalitis: a review. Journal of Neuroinflammation, 2019, 16, 76.         Microglia immunometabolism: From metabolic disorders to single cell metabolism. Seminars in Cell and Developmental Biology, 2019, 94, 129-137.         RNA Sequencing Reveals Small and Variable Contributions of Infectious Agents to Transcriptomes of Postmortem Nervous Tissues From Amyotrophic Lateral Sclerosis, Alzheimer's Disease and Parkinson's Disease Subjects, and Increased Expression of Genes From Disease-Activated Microglia. Frontiers in Neuroscience, 2019, 13, 235.         Fragment-Based Discovery of an Apolipoprotein E4 (apoE4) Stabilizer. Journal of Medicinal Chemistry, 2019, 62, 4120-4130.	<ul> <li>3.2</li> <li>14.3</li> <li>7.2</li> <li>3.6</li> <li>7.2</li> <li>5.0</li> <li>2.8</li> <li>6.4</li> </ul>	47 235 125 26 119 29 26 20

#	Article	IF	CITATIONS
417	Single-Cell RNA Sequencing Identifies Candidate Renal Resident Macrophage Gene Expression Signatures across Species. Journal of the American Society of Nephrology: JASN, 2019, 30, 767-781.	6.1	126
418	Evaluation of CD33 as a genetic risk factor for Alzheimer's disease. Acta Neuropathologica, 2019, 138, 187-199.	7.7	69
419	Curcumin restores innate immune Alzheimer's disease risk gene expression to ameliorate Alzheimer pathogenesis. Neurobiology of Disease, 2019, 127, 432-448.	4.4	70
420	Microglia: Brain cells on the move. Progress in Neurobiology, 2019, 178, 101612.	5.7	75
421	Revolutionizing immunology with single-cell RNA sequencing. Cellular and Molecular Immunology, 2019, 16, 242-249.	10.5	130
422	Microglial activation in early Alzheimer trajectory is associated with higher gray matter volume. Neurology, 2019, 92, e1331-e1343.	1.1	69
423	Chronic neurodegeneration induces type I interferon synthesis via STING, shaping microglial phenotype and accelerating disease progression. Glia, 2019, 67, 1254-1276.	4.9	80
424	A core transcriptional signature of human microglia: Derivation and utility in describing regionâ€dependent alterations associated with Alzheimer's disease. Glia, 2019, 67, 1240-1253.	4.9	67
425	Microglia in Alzheimer's disease: A target for immunotherapy. Journal of Leukocyte Biology, 2019, 106, 219-227.	3.3	78
426	The Role of APOE4 in Disrupting the Homeostatic Functions of Astrocytes and Microglia in Aging and Alzheimer's Disease. Frontiers in Aging Neuroscience, 2019, 11, 14.	3.4	174
427	Comprehensive gene expression meta-analysis identifies signature genes that distinguish microglia from peripheral monocytes/macrophages in health and glioma. Acta Neuropathologica Communications, 2019, 7, 20.	5.2	124
428	Microglia in Alzheimer's Disease: Exploring How Genetics and Phenotype Influence Risk. Journal of Molecular Biology, 2019, 431, 1805-1817.	4.2	166
429	Mitophagy inhibits amyloid-β and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. Nature Neuroscience, 2019, 22, 401-412.	14.8	1,008
430	The relationship between the morphological subtypes of microglia and Alzheimer's disease neuropathology. Brain Pathology, 2019, 29, 726-740.	4.1	63
431	Glial Contribution to Excitatory and Inhibitory Synapse Loss in Neurodegeneration. Frontiers in Cellular Neuroscience, 2019, 13, 63.	3.7	99
432	Priming Microglia for Innate Immune Memory in the Brain. Trends in Immunology, 2019, 40, 358-374.	6.8	145
433	CD14 and Toll-Like Receptor 4 Promote Fibrillar Aβ42 Uptake by Microglia Through A Clathrin-Mediated Pathway. Journal of Alzheimer's Disease, 2019, 68, 323-337.	2.6	20
434	The role of astroglia in Alzheimer's disease: pathophysiology and clinical implications. Lancet Neurology, The, 2019, 18, 406-414.	10.2	227

#	Article	IF	CITATIONS
435	Genetic Risk Factors for Alzheimer Disease: Emerging Roles of Microglia in Disease Pathomechanisms. Advances in Experimental Medicine and Biology, 2019, 1118, 83-116.	1.6	34
436	Inhibition of Bruton's Tyrosine Kinase Modulates Microglial Phagocytosis: Therapeutic Implications for Alzheimer's Disease. Journal of NeuroImmune Pharmacology, 2019, 14, 448-461.	4.1	53
437	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. Nature, 2019, 566, 388-392.	27.8	853
438	Microglia express TMEM119 in the brains of Nasu-Hakola disease. Intractable and Rare Diseases Research, 2019, 8, 260-265.	0.9	4
440	Estrés oxidativo, respuesta inmune, plasticidad sináptica y cognición en modelos transgénicos de la enfermedad de Alzheimer. NeurologÃa, 2019, , .	0.7	11
441	NG2 glia regulate brain innate immunity via TGF-β2/TGFBR2 axis. BMC Medicine, 2019, 17, 204.	5.5	75
442	Synaptic Elimination in Neurological Disorders. Current Neuropharmacology, 2019, 17, 1071-1095.	2.9	63
443	Biology of splicing in Alzheimer's disease research. Progress in Molecular Biology and Translational Science, 2019, 168, 79-84.	1.7	0
444	Neuroimmune interactions in Alzheimer's disease—New frontier with old challenges?. Progress in Molecular Biology and Translational Science, 2019, 168, 183-201.	1.7	12
445	Unique primed status of microglia under the systemic autoimmune condition of lupus-prone mice. Arthritis Research and Therapy, 2019, 21, 303.	3.5	16
446	Using transfer learning from prior reference knowledge to improve the clustering of single-cell RNA-Seq data. Scientific Reports, 2019, 9, 20353.	3.3	23
447	Isolation of Region-specific Microglia from One Adult Mouse Brain Hemisphere for Deep Single-cell RNA Sequencing. Journal of Visualized Experiments, 2019, , .	0.3	6
448	The microbiota regulates murine inflammatory responses to toxin-induced CNS demyelination but has minimal impact on remyelination. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25311-25321.	7.1	29
449	Human iPSC-derived microglia assume a primary microglia-like state after transplantation into the neonatal mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25293-25303.	7.1	115
450	Microglial VPS35 deficiency regulates microglial polarization and decreases ischemic stroke-induced damage in the cortex. Journal of Neuroinflammation, 2019, 16, 235.	7.2	17
451	The Emerging Roles and Therapeutic Potential of Soluble TREM2 in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2019, 11, 328.	3.4	34
452	Microglia/macrophage diversities in central nervous system physiology and pathology. CNS Neuroscience and Therapeutics, 2019, 25, 1287-1289.	3.9	14
453	AmpliSeq Transcriptome of Laser Captured Neurons from Alzheimer Brain: Comparison of Single Cell Versus Neuron Pools. , 2019, 10, 1146.		5

#	Article	IF	CITATIONS
454	Mapping microglia states in the human brain through the integration of high-dimensional techniques. Nature Neuroscience, 2019, 22, 2098-2110.	14.8	296
455	Pan-SHIP1/2 inhibitors promote microglia effector functions essential for CNS homeostasis. Journal of Cell Science, 2020, 133, .	2.0	41
456	Immunological signatures in frontotemporal lobar degeneration. Current Opinion in Neurology, 2019, 32, 272-278.	3.6	6
457	Unique molecular signature in mucolipidosis type IV microglia. Journal of Neuroinflammation, 2019, 16, 276.	7.2	17
458	IL-1β-driven amyloid plaque clearance is associated with an expansion of transcriptionally reprogrammed microglia. Journal of Neuroinflammation, 2019, 16, 261.	7.2	38
459	The Rules of Engagement: Do Microglia Seal the Fate in the Inverse Relation of Glioma and Alzheimer's Disease?. Frontiers in Cellular Neuroscience, 2019, 13, 522.	3.7	6
460	Single-cell transcriptomic profiling of the aging mouse brain. Nature Neuroscience, 2019, 22, 1696-1708.	14.8	432
461	Tissue-resident macrophages: from zebrafish to mouse. Blood Science, 2019, 1, 57-60.	0.9	4
462	Cross-Species Single-Cell Analysis Reveals Divergence of the Primate Microglia Program. Cell, 2019, 179, 1609-1622.e16.	28.9	292
463	A single-cell atlas of entorhinal cortex from individuals with Alzheimer's disease reveals cell-type-specific gene expression regulation. Nature Neuroscience, 2019, 22, 2087-2097.	14.8	591
464	The Genetic Relevance of Human Induced Pluripotent Stem Cell-Derived Microglia to Alzheimer's Disease and Major Neuropsychiatric Disorders. Molecular Neuropsychiatry, 2019, 5, 85-96.	2.9	9
465	Treatment of brain metastases with stereotactic radiosurgery and immune checkpoint inhibitors: An international meta-analysis of individual patient data. Radiotherapy and Oncology, 2019, 130, 104-112.	0.6	189
466	Targeting Neuroinflammation as a Therapeutic Strategy for Alzheimer's Disease: Mechanisms, Drug Candidates, and New Opportunities. ACS Chemical Neuroscience, 2019, 10, 872-879.	3.5	90
467	Semisoft clustering of single-cell data. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 466-471.	7.1	71
468	The Role of APOE and TREM2 in Alzheimer′s Disease—Current Understanding and Perspectives. International Journal of Molecular Sciences, 2019, 20, 81.	4.1	123
469	Transcriptional and Epigenetic Regulation of Microglia in Health and Disease. Trends in Molecular Medicine, 2019, 25, 96-111.	6.7	76
470	Microglia in Central Nervous System Inflammation and Multiple Sclerosis Pathology. Trends in Molecular Medicine, 2019, 25, 112-123.	6.7	318
471	Applying Machine Learning Algorithms to Segment High-Cost Patient Populations. Journal of General Internal Medicine, 2019, 34, 211-217.	2.6	21

#	Article	IF	CITATIONS
472	Intranasal insulin activates Akt2 signaling pathway in the hippocampus of wild-type but not in APP/PS1 Alzheimer model mice. Neurobiology of Aging, 2019, 75, 98-108.	3.1	24
473	Human microglia regional heterogeneity and phenotypes determined by multiplexed single-cell mass cytometry. Nature Neuroscience, 2019, 22, 78-90.	14.8	288
474	CD11a expression distinguishes infiltrating myeloid cells from plaqueâ€associated microglia in Alzheimer's disease. Clia, 2019, 67, 844-856.	4.9	32
475	Developmental Heterogeneity of Microglia and Brain Myeloid Cells Revealed by Deep Single-Cell RNA Sequencing. Neuron, 2019, 101, 207-223.e10.	8.1	695
476	Neuroimmune signaling in alcohol use disorder. Pharmacology Biochemistry and Behavior, 2019, 177, 34-60.	2.9	145
477	Fatâ€fated microglial dysfunction. EMBO Journal, 2019, 38, .	7.8	0
478	Microglia and amyloid precursor protein coordinate control of transient Candida cerebritis with memory deficits. Nature Communications, 2019, 10, 58.	12.8	78
479	Pathological Changes in Alzheimer's Disease Analyzed Using Induced Pluripotent Stem Cell-Derived Human Microglia-Like Cells. Journal of Alzheimer's Disease, 2019, 67, 357-368.	2.6	28
480	Invited Review: APOE at the interface of inflammation, neurodegeneration and pathological protein spread in Alzheimer's disease. Neuropathology and Applied Neurobiology, 2019, 45, 327-346.	3.2	96
481	Sexual differentiation of microglia. Frontiers in Neuroendocrinology, 2019, 52, 156-164.	5.2	97
482	Isolation and Culture of Microglia. Current Protocols in Immunology, 2019, 125, e70.	3.6	81
483	The involvement of microglia in Alzheimer's disease: a new dog in the fight. British Journal of Pharmacology, 2019, 176, 3533-3543.	5.4	27
484	Microglia metabolism in health and disease. Neurochemistry International, 2019, 130, 104331.	3.8	56
485	Inflammation in ALS/FTD pathogenesis. Acta Neuropathologica, 2019, 137, 715-730.	7.7	203
486	Single-Cell RNA Sequencing of Microglia throughout the Mouse Lifespan and in the Injured Brain Reveals Complex Cell-State Changes. Immunity, 2019, 50, 253-271.e6.	14.3	1,351
487	Necroptosis and RIPK1-mediated neuroinflammation in CNS diseases. Nature Reviews Neuroscience, 2019, 20, 19-33.	10.2	562
488	The Myeloid Cell Compartment—Cell by Cell. Annual Review of Immunology, 2019, 37, 269-293.	21.8	140
489	Loss of TREM2 function increases amyloid seeding but reduces plaque-associated ApoE. Nature	14.8	358

#	Article	IF	CITATIONS
490	Single-cell transcriptomic analysis of mouse neocortical development. Nature Communications, 2019, 10, 134.	12.8	199
491	Beyond the neuron–cellular interactions early in Alzheimer disease pathogenesis. Nature Reviews Neuroscience, 2019, 20, 94-108.	10.2	237
492	PET imaging of microglia by targeting macrophage colony-stimulating factor 1 receptor (CSF1R). Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1686-1691.	7.1	140
493	Demystifying Microglia: And Now the Work Begins. Immunity, 2019, 50, 11-13.	14.3	7
494	Early increase of CSF sTREM2 in Alzheimer's disease is associated with tau related-neurodegeneration but not with amyloid-β pathology. Molecular Neurodegeneration, 2019, 14, 1.	10.8	253
495	Microglia Express Mu Opioid Receptor: Insights From Transcriptomics and Fluorescent Reporter Mice. Frontiers in Psychiatry, 2018, 9, 726.	2.6	54
496	Immune regulation in the aging retina. Progress in Retinal and Eye Research, 2019, 69, 159-172.	15.5	154
497	Restoring microglial and astroglial homeostasis using DNA immunization in a Down Syndrome mouse model. Brain, Behavior, and Immunity, 2019, 75, 163-180.	4.1	19
498	Role of the CD200-CD200R Axis During Homeostasis and Neuroinflammation. Neuroscience, 2019, 405, 118-136.	2.3	76
499	Enforced microglial depletion and repopulation as a promising strategy for the treatment of neurological disorders. Glia, 2019, 67, 217-231.	4.9	79
500	Microbiome–microglia connections via the gut–brain axis. Journal of Experimental Medicine, 2019, 216, 41-59.	8.5	275
501	Neuroinflammation in the central nervous system: Symphony of glial cells. Glia, 2019, 67, 1017-1035.	4.9	287
502	Lipidâ€induced lysosomal damage after demyelination corrupts microglia protective function in lysosomal storage disorders. EMBO Journal, 2019, 38, .	7.8	65
503	Microglia Regulate Neuroglia Remodeling in Various Ocular and Retinal Injuries. Journal of Immunology, 2019, 202, 539-549.	0.8	36
504	Astrocytes and microglia: Models and tools. Journal of Experimental Medicine, 2019, 216, 71-83.	8.5	103
505	Immune cells and CNS physiology: Microglia and beyond. Journal of Experimental Medicine, 2019, 216, 60-70.	8.5	165
506	Dual functions of microglia in the formation and refinement of neural circuits during development. International Journal of Developmental Neuroscience, 2019, 77, 18-25.	1.6	19
507	Allyl Sulfide Counteracts 1-Bromopropane-Induced Neurotoxicity by Inhibiting Neuroinflammation and Oxidative Stress. Toxicological Sciences, 2019, 167, 397-407.	3.1	9

#	Article	IF	CITATIONS
508	Integrative approach to sporadic Alzheimer's disease:Âdeficiency of TYROBPÂin cerebral Aβ amyloidosis mouse normalizes clinical phenotype and complement subnetwork molecular pathology without reducing Aβ burden. Molecular Psychiatry, 2019, 24, 431-446.	7.9	67
509	Region-Specific Phenotypes of Microglia: The Role of Local Regulatory Cues. Neuroscientist, 2019, 25, 314-333.	3.5	40
510	Integrative approach to sporadic Alzheimer's disease: deficiency of TYROBP in a tauopathy mouse model reduces C1q and normalizes clinical phenotype while increasing spread and state of phosphorylation of tau. Molecular Psychiatry, 2019, 24, 1383-1397.	7.9	46
511	The Evolving Dialogue of Microglia and Neurons in Alzheimer's Disease: Microglia as Necessary Transducers of Pathology. Neuroscience, 2019, 405, 24-34.	2.3	60
512	Targeted Gene Editing of Glia Maturation Factor in Microglia: a Novel Alzheimer's Disease Therapeutic Target. Molecular Neurobiology, 2019, 56, 378-393.	4.0	43
513	Microglial Priming as Trained Immunity in the Brain. Neuroscience, 2019, 405, 47-54.	2.3	68
514	Regulation of Microglia Identity from an Epigenetic and Transcriptomic Point of View. Neuroscience, 2019, 405, 3-13.	2.3	17
515	Glia-specific autophagy dysfunction in ALS. Seminars in Cell and Developmental Biology, 2020, 99, 172-182.	5.0	39
516	Microglial phagocytosis in aging and Alzheimer's disease. Journal of Neuroscience Research, 2020, 98, 284-298.	2.9	79
517	The role of TREM2 in Alzheimer's disease; evidence from transgenic mouse models. Neurobiology of Aging, 2020, 86, 39-53.	3.1	25
518	Innate immune response in retinal homeostasis and inflammatory disorders. Progress in Retinal and Eye Research, 2020, 74, 100778.	15.5	63
519	Microglia, autonomic nervous system, immunity and hypertension: Is there a link?. Pharmacological Research, 2020, 155, 104451.	7.1	26
520	KCNH2-3.1 mediates aberrant complement activation and impaired hippocampal-medial prefrontal circuitry associated with working memory deficits. Molecular Psychiatry, 2020, 25, 206-229.	7.9	13
521	Microglia in developing white matter and perinatal brain injury. Neuroscience Letters, 2020, 714, 134539.	2.1	25
522	Microglia Adopt Longitudinal Transcriptional Changes After Traumatic Brain Injury. Journal of Surgical Research, 2020, 246, 113-122.	1.6	18
523	Epigenomic Convergence of Neural-Immune Risk Factors in Neurodevelopmental Disorder Cortex. Cerebral Cortex, 2020, 30, 640-655.	2.9	29
524	Targeting the cannabinoid receptor CB2 in a mouse model of l-dopa induced dyskinesia. Neurobiology of Disease, 2020, 134, 104646.	4.4	20
525	Inhibition of inflammatory cells delays retinal degeneration in experimental retinal vein occlusion in mice. Glia, 2020, 68, 574-588.	4.9	22

		CITATION REPORT		
#	Article		IF	CITATIONS
526	NG2 glia are required for maintaining microglia homeostatic state. Glia, 2020, 68, 345-3	55.	4.9	52
527	Hydroxytyrosol Decreases LPS- and α-Synuclein-Induced Microglial Activation In Vitro. A 2020, 9, 36.	ntioxidants,	5.1	28
528	A 20-Year Journey from Axonal Injury to Neurodegenerative Diseases and the Prospect o Immunotherapy for Combating Alzheimer's Disease. Journal of Immunology, 2020, 2	.f 204, 243-250.	0.8	26
529	The emergence and promise of single-cell temporal-omics approaches. Current Opinion Biotechnology, 2020, 63, 70-78.	in	6.6	34
530	Complement-Mediated Events in Alzheimer's Disease: Mechanisms and Potential Th Journal of Immunology, 2020, 204, 306-315.	erapeutic Targets.	0.8	61
531	Modeling neurological disease using human stem cell-derived microglia-like cells transpl rodent brains. Lab Animal, 2020, 49, 49-51.	anted into	0.4	3
532	Bilberry anthocyanins improve neuroinflammation and cognitive dysfunction in APP/PSE <i>via</i> the CD33/TREM2/TYROBP signaling pathway in microglia. Food and Function 1572-1584.	:N1 mice , 2020, 11,	4.6	37
533	A locked immunometabolic switch underlies TREM2 R47H loss of function in human iPS microglia. FASEB Journal, 2020, 34, 2436-2450.	Câ€derived	0.5	82
534	Brain Parenchymal and Extraparenchymal Macrophages in Development, Homeostasis, a Journal of Immunology, 2020, 204, 294-305.	and Disease.	0.8	40
535	Using mouse models to understand Alzheimer's disease mechanisms in the context of t chromosome 21. Progress in Brain Research, 2020, 251, 181-208.	risomy of	1.4	1
536	Longitudinal Basal Forebrain Degeneration Interacts with TREM2/C3 Biomarkers of Infla Presymptomatic Alzheimer's Disease. Journal of Neuroscience, 2020, 40, 1931-1942.	mmation in	3.6	33
537	TREM2 Regulates Microglial Cholesterol Metabolism upon Chronic Phagocytic Challeng 2020, 105, 837-854.e9.	e. Neuron,	8.1	391
538	Mitochondria-targeted TPP-MoS2 with dual enzyme activity provides efficient neuropro through M1/M2 microglial polarization in an Alzheimer's disease model. Biomaterials, 20	tection 020, 232, 119752.	11.4	123
539	Targeted Complement Inhibition at Synapses Prevents Microglial Synaptic Engulfment a in Demyelinating Disease. Immunity, 2020, 52, 167-182.e7.	ind Synapse Loss	14.3	244
540	Microglial microRNAs mediate sex-specific responses to tau pathology. Nature Neurosci 167-171.	ence, 2020, 23,	14.8	79
541	Microglia and sexual differentiation of the developing brain: A focus on ontogeny and ir factors. Glia, 2020, 68, 1085-1099.	trinsic	4.9	69
542	Back to the origins: Human brain organoids to investigate neurodegeneration. Brain Res 1727, 146561.	search, 2020,	2.2	12
543	Microglia, Lifestyle Stress, and Neurodegeneration. Immunity, 2020, 52, 222-240.		14.3	174

#	Article	IF	CITATIONS
544	Ablation of reactive astrocytes exacerbates disease pathology in a model of Alzheimer's disease. Glia, 2020, 68, 1017-1030.	4.9	53
545	Marine omegaâ€3 (nâ€3) phospholipids: A comprehensive review of their properties, sources, bioavailability, and relation to brain health. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 64-123.	11.7	129
546	Transcriptional profiling of microglia; current state of the art and future perspectives. Glia, 2020, 68, 740-755.	4.9	90
547	Innate and adaptive immune responses in Parkinson's disease. Progress in Brain Research, 2020, 252, 169-216.	1.4	64
548	Neuroinflammation and neurodegeneration in human brain at single-cell resolution. Nature Reviews Immunology, 2020, 20, 81-82.	22.7	51
549	Using single-cell technologies to map the human immune system — implications for nephrology. Nature Reviews Nephrology, 2020, 16, 112-128.	9.6	39
550	Gamma Entrainment: Impact on Neurocircuits, Glia, and Therapeutic Opportunities. Trends in Neurosciences, 2020, 43, 24-41.	8.6	127
551	The influence of environment and origin on brain resident macrophages and implications for therapy. Nature Neuroscience, 2020, 23, 157-166.	14.8	74
552	Inhibition of REVâ€ERBs stimulates microglial amyloidâ€beta clearance and reduces amyloid plaque deposition in the 5XFAD mouse model of Alzheimer's disease. Aging Cell, 2020, 19, e13078.	6.7	81
553	Reply: Osteoclast imbalance in primary familial brain calcification: evidence for its role in brain calcification. Brain, 2020, 143, e2-e2.	7.6	1
554	Microglial regional heterogeneity and its role in the brain. Molecular Psychiatry, 2020, 25, 351-367.	7.9	292
555	Amyloid-β-independent regulators of tau pathology in Alzheimer disease. Nature Reviews Neuroscience, 2020, 21, 21-35.	10.2	338
556	Microvessel occlusions alter amyloid-beta plaque morphology in a mouse model of Alzheimer's disease. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2115-2131.	4.3	14
557	Peripherally derived angiotensin converting enzyme-enhanced macrophages alleviate Alzheimer-related disease. Brain, 2020, 143, 336-358.	7.6	52
558	Transcriptome landscape of myeloid cells in human skin reveals diversity, rare populations and putative DC progenitors. Journal of Dermatological Science, 2020, 97, 41-49.	1.9	44
559	Astaxanthin Suppresses PM2.5-Induced Neuroinflammation by Regulating Akt Phosphorylation in BV-2 Microglial Cells. International Journal of Molecular Sciences, 2020, 21, 7227.	4.1	45
560	The role of commensal microflora-induced T cell responses in glaucoma neurodegeneration. Progress in Brain Research, 2020, 256, 79-97.	1.4	21
561	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.	6.3	38

#	Article	IF	CITATIONS
562	Cell type-specific lipid storage changes in Parkinson's disease patient brains are recapitulated by experimental glycolipid disturbance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27646-27654.	7.1	59
563	SIMPLEs: a single-cell RNA sequencing imputation strategy preserving gene modules and cell clusters variation. NAR Genomics and Bioinformatics, 2020, 2, Iqaa077.	3.2	6
564	The microbiota–microglia axis in central nervous system disorders. Brain Pathology, 2020, 30, 1159-1177.	4.1	52
565	Microglial autophagy–associated phagocytosis is essential for recovery from neuroinflammation. Science Immunology, 2020, 5, .	11.9	89
566	Breaking Down the Wall: The Strategic Plan of Cancer to Conquer the Brain. Epilepsy Currents, 2020, 20, 384-386.	0.8	2
567	Cyclooxygenase-1 mediates neuroinflammation and neurotoxicity in a mouse model of retinitis pigmentosa. Journal of Neuroinflammation, 2020, 17, 306.	7.2	15
568	Serial Systemic Injections of Endotoxin (LPS) Elicit Neuroprotective Spinal Cord Microglia through IL-1-Dependent Cross Talk with Endothelial Cells. Journal of Neuroscience, 2020, 40, 9103-9120.	3.6	23
569	Microglia in Alzheimer's Disease in the Context of Tau Pathology. Biomolecules, 2020, 10, 1439.	4.0	56
570	Microglia and Macrophages in the Pathological Central and Peripheral Nervous Systems. Cells, 2020, 9, 2132.	4.1	43
571	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.	28.9	10
571 572	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798. Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.	28.9 3.3	<b>10</b> 30
571 572 573	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.	28.9 3.3 6.8	10 30 146
571 572 573 574	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.         Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.	28.9 3.3 6.8 8.1	10 30 146 423
571 572 573 574 575	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.         Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.         BV-2 Microglial Cells Respond to Rotenone Toxic Insult by Modifying Pregnenolone, 51±-Dihydroprogesterone and Pregnanolone Levels. Cells, 2020, 9, 2091.	28.9 3.3 6.8 8.1 4.1	<ol> <li>10</li> <li>30</li> <li>146</li> <li>423</li> <li>20</li> </ol>
<ul> <li>571</li> <li>572</li> <li>573</li> <li>574</li> <li>575</li> <li>576</li> </ul>	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.         Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.         BV-2 Microglial Cells Respond to Rotenone Toxic Insult by Modifying Pregnenolone, 51±-Dihydroprogesterone and Pregnanolone Levels. Cells, 2020, 9, 2091.         Microglia as therapeutic target in central nervous system disorders. Journal of Pharmacological Sciences, 2020, 144, 102-118.	28.9 3.3 6.8 8.1 4.1 2.5	<ol> <li>10</li> <li>30</li> <li>146</li> <li>423</li> <li>20</li> <li>19</li> </ol>
<ul> <li>571</li> <li>572</li> <li>573</li> <li>574</li> <li>575</li> <li>576</li> <li>577</li> </ul>	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.         Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.         BV-2 Microglial Cells Respond to Rotenone Toxic Insult by Modifying Pregnenolone, 51±-Dihydroprogesterone and Pregnanolone Levels. Cells, 2020, 9, 2091.         Microglia as therapeutic target in central nervous system disorders. Journal of Pharmacological Sciences, 2020, 144, 102-118.         Negative feedback control of neuronal activity by microglia. Nature, 2020, 586, 417-423.	28.9 3.3 6.8 8.1 4.1 2.5 27.8	10         30         146         423         20         19         520
<ul> <li>571</li> <li>572</li> <li>573</li> <li>574</li> <li>575</li> <li>576</li> <li>577</li> <li>578</li> </ul>	Myeloid Cells TREM Down Anti-tumor Responses. Cell, 2020, 182, 796-798.         Microglial ontogeny, diversity and neurodevelopmental functions. Current Opinion in Genetics and Development, 2020, 65, 186-194.         Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.         Astrocyte Crosstalk in CNS Inflammation. Neuron, 2020, 108, 608-622.         BV-2 Microglial Cells Respond to Rotenone Toxic Insult by Modifying Pregnenolone, 51±-Dihydroprogesterone and Pregnanolone Levels. Cells, 2020, 9, 2091.         Microglia as therapeutic target in central nervous system disorders. Journal of Pharmacological Sciences, 2020, 144, 102-118.         Negative feedback control of neuronal activity by microglia. Nature, 2020, 586, 417-423.         Microglial Immunometabolism in Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2020, 14, 563446.	28.9 3.3 6.8 8.1 4.1 2.5 27.8 3.7	10         30         146         423         20         19         520         27

#	Article	IF	CITATIONS
580	Neuroinflammation after surgery: from mechanisms to therapeutic targets. Nature Immunology, 2020, 21, 1319-1326.	14.5	117
581	Deciphering the heterogeneity of myeloid cells during neuroinflammation in the singleâ€cell era. Brain Pathology, 2020, 30, 1192-1207.	4.1	9
582	Interaction between genetic factors, <i>Porphyromonas gingivalis</i> and microglia to promote Alzheimer's disease. Journal of Oral Microbiology, 2020, 12, 1820834.	2.7	16
583	Interaction of microglia with infiltrating immune cells in the different phases of stroke. Brain Pathology, 2020, 30, 1208-1218.	4.1	31
584	What has single ell RNA sequencing revealed about microglial neuroimmunology?. Immunity, Inflammation and Disease, 2020, 8, 825-839.	2.7	18
585	Identification of a dysfunctional microglial population in human Alzheimer's disease cortex using novel single-cell histology image analysis. Acta Neuropathologica Communications, 2020, 8, 170.	5.2	47
586	Co-option of Neutrophil Fates by Tissue Environments. Cell, 2020, 183, 1282-1297.e18.	28.9	246
587	Emerging Microglia Biology Defines Novel Therapeutic Approaches for Alzheimer's Disease. Neuron, 2020, 108, 801-821.	8.1	132
588	Neuroinflammatory responses of microglia in central nervous system trauma. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S25-S33.	4.3	39
589	Latent Factor Modeling of scRNA-Seq Data Uncovers Dysregulated Pathways in Autoimmune Disease Patients. IScience, 2020, 23, 101451.	4.1	4
590	Distinct non-inflammatory signature of microglia in post-mortem brain tissue of patients with major depressive disorder. Molecular Psychiatry, 2021, 26, 3336-3349.	7.9	40
591	Interleukin-10 Prevents Pathological Microglia Hyperactivation following Peripheral Endotoxin Challenge. Immunity, 2020, 53, 1033-1049.e7.	14.3	93
592	The effect of amyloid on microglia-neuron interactions before plaque onset occurs independently of TREM2 in a mouse model of Alzheimer's disease. Neurobiology of Disease, 2020, 145, 105072.	4.4	12
593	Non-pathological roles of microglial TREM2/DAP12: TREM2/DAP12 regulates the physiological functions of microglia from development to aging. Neurochemistry International, 2020, 141, 104878.	3.8	17
594	Spatial Transcriptomics Reveals Genes Associated with Dysregulated Mitochondrial Functions and Stress Signaling in Alzheimer Disease. IScience, 2020, 23, 101556.	4.1	61
595	Microglia-organized scar-free spinal cord repair in neonatal mice. Nature, 2020, 587, 613-618.	27.8	197
596	Single-nucleus transcriptome analysis reveals dysregulation of angiogenic endothelial cells and neuroprotective glia in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25800-25809.	7.1	238
597	Research and progress on biomarkers of neuromyelitis optica spectrum disorders. Journal of Receptor and Signal Transduction Research, 2020, 41, 1-8.	2.5	5

#	Article	IF	CITATIONS
598	Immunity in amyotrophic lateral sclerosis: blurred lines between excessive inflammation and inefficient immune responses. Brain Communications, 2020, 2, fcaa124.	3.3	53
599	Alzheimer's Patient Microglia Exhibit Enhanced Aging and Unique Transcriptional Activation. Cell Reports, 2020, 31, 107843.	6.4	222
600	Microglia Require CD4ÂT Cells to Complete the Fetal-to-Adult Transition. Cell, 2020, 182, 625-640.e24.	28.9	191
601	Spatial Transcriptomics and In Situ Sequencing to Study Alzheimer's Disease. Cell, 2020, 182, 976-991.e19.	28.9	491
602	Receptor-interacting protein kinase 1 (RIPK1) as a therapeutic target. Nature Reviews Drug Discovery, 2020, 19, 553-571.	46.4	229
603	A single-cell transcriptomic atlas characterizes ageing tissues in the mouse. Nature, 2020, 583, 590-595.	27.8	683
604	The role of glia in protein aggregation. Neurobiology of Disease, 2020, 143, 105015.	4.4	28
605	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. Circulation Research, 2020, 127, 402-426.	4.5	207
606	Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 40.	10.8	438
607	Motor cortex transcriptome reveals microglial key events in amyotrophic lateral sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	6.0	54
608	Microglia-mediated neuroinflammation and Mediterranean diet. , 2020, , 347-356.		1
609	Matriptase processing of APLP1 ectodomain alters its homodimerization. Scientific Reports, 2020, 10, 10091.	3.3	3
610	Analyzing microglial-associated Aβ in Alzheimer's disease transgenic mice with a novel mid-domain Aβ-antibody. Scientific Reports, 2020, 10, 10590.	3.3	3
611	NPC1 deficiency impairs cerebellar postnatal development of microglia and climbing fiber refinement in a mouse model of Niemann-Pick Type C disease. Development (Cambridge), 2020, 147, .	2.5	9
612	Harnessing endophenotypes and network medicine for Alzheimer's drug repurposing. Medicinal Research Reviews, 2020, 40, 2386-2426.	10.5	61
613	Complement peptide C3a receptor 1 promotes optic nerve degeneration in DBA/2J mice. Journal of Neuroinflammation, 2020, 17, 336.	7.2	29
614	Methamphetamine Increases the Proportion of SIV-Infected Microglia/Macrophages, Alters Metabolic Pathways, and Elevates Cell Death Pathways: A Single-Cell Analysis. Viruses, 2020, 12, 1297.	3.3	28
615	Tau Pathology Drives Dementia Risk-Associated Gene Networks toward Chronic Inflammatory States and Immunosuppression. Cell Reports, 2020, 33, 108398.	6.4	57

#	Article	IF	CITATIONS
616	The Dueling Duo: IL10 and TNF Face Off in Microglial Recovery from Endotoxin Challenge. Immunity, 2020, 53, 897-899.	14.3	0
617	Dynamic Neuroimmune Profile during Mid-life Aging in the Female Brain and Implications for Alzheimer Risk. IScience, 2020, 23, 101829.	4.1	12
618	An Overview on the Differential Interplay Among Neurons–Astrocytes–Microglia in CA1 and CA3 Hippocampus in Hypoxia/Ischemia. Frontiers in Cellular Neuroscience, 2020, 14, 585833.	3.7	48
619	The Anti-Neuroinflammatory Role of Anthocyanins and Their Metabolites for the Prevention and Treatment of Brain Disorders. International Journal of Molecular Sciences, 2020, 21, 8653.	4.1	50
620	Neurotoxic microglia promote TDP-43 proteinopathy in progranulin deficiency. Nature, 2020, 588, 459-465.	27.8	98
621	Diesel exhaust impairs TREM2 to dysregulate neuroinflammation. Journal of Neuroinflammation, 2020, 17, 351.	7.2	13
622	Candesartan modulates microglia activation and polarization via NF-κB signaling pathway. International Journal of Immunopathology and Pharmacology, 2020, 34, 205873842097490.	2.1	23
623	Anti-AÎ <sup>2</sup> antibodies bound to neuritic plaques enhance microglia activity and mitigate tau pathology. Acta Neuropathologica Communications, 2020, 8, 198.	5.2	7
624	Functional diversities of myeloid cells in the central nervous system. CNS Neuroscience and Therapeutics, 2020, 26, 1205-1206.	3.9	2
625	The good, the bad, and the opportunities of the complement system in neurodegenerative disease. Journal of Neuroinflammation, 2020, 17, 354.	7.2	133
626	Modulation of β-Amyloid Fibril Formation in Alzheimer's Disease by Microglia and Infection. Frontiers in Molecular Neuroscience, 2020, 13, 609073.	2.9	35
627	Single cell RNA sequencing of human microglia uncovers a subset associated with Alzheimer's disease. Nature Communications, 2020, 11, 6129.	12.8	371
628	Tauopathies: Deciphering Disease Mechanisms to Develop Effective Therapies. International Journal of Molecular Sciences, 2020, 21, 8948.	4.1	53
629	Microglia and Inflammatory Responses in Diabetic Retinopathy. Frontiers in Immunology, 2020, 11, 564077.	4.8	129
630	Single-cell technologies in stem cell epigenetics. , 2020, , 187-206.		1
631	A novel systems biology approach to evaluate mouse models of late-onset Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 67.	10.8	45
632	Activity of Alzheimer's γ-secretase is linked to changes of interferon-induced transmembrane proteins (IFITM) in innate immunity. Molecular Neurodegeneration, 2020, 15, 69.	10.8	16
633	Multi-modal Single-Cell Analysis Reveals Brain Immune Landscape Plasticity during Aging and Gut Microbiota Dysbiosis. Cell Reports, 2020, 33, 108438.	6.4	46
#	Article	IF	CITATIONS
-----	--	------	-----------
634	Potential caveats of putative microglia-specific markers for assessment of age-related cerebrovascular neuroinflammation. Journal of Neuroinflammation, 2020, 17, 366.	7.2	45
635	Neuroinflammation and protein pathology in Parkinson's disease dementia. Acta Neuropathologica Communications, 2020, 8, 211.	5.2	86
636	Do Alzheimer's Disease Risk Gene Products Actually Act in Microglia?. Frontiers in Aging Neuroscience, 2020, 12, 589196.	3.4	4
637	Dysregulated Wnt Signalling in the Alzheimer's Brain. Brain Sciences, 2020, 10, 902.	2.3	28
638	Danger-Sensing/Patten Recognition Receptors and Neuroinflammation in Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 9036.	4.1	30
639	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	27.8	108
640	Diabetic phenotype in mouse and humans reduces the number of microglia around β-amyloid plaques. Molecular Neurodegeneration, 2020, 15, 66.	10.8	22
641	Microglia Diversity in Health and Multiple Sclerosis. Frontiers in Immunology, 2020, 11, 588021.	4.8	44
642	Genetic Variants of Lipoprotein Lipase and Regulatory Factors Associated with Alzheimer's Disease Risk. International Journal of Molecular Sciences, 2020, 21, 8338.	4.1	13
643	High-Resolution Transcriptomic and Proteomic Profiling of Heterogeneity of Brain-Derived Microglia in Multiple Sclerosis. Frontiers in Molecular Neuroscience, 2020, 13, 583811.	2.9	18
644	TREM2 Alzheimer's variant R47H causes similar transcriptional dysregulation to knockout, yet only subtle functional phenotypes in human iPSC-derived macrophages. Alzheimer's Research and Therapy, 2020, 12, 151.	6.2	35
645	Interleukinâ€12/23 deficiency differentially affects pathology in male and female Alzheimer's diseaseâ€like mice. EMBO Reports, 2020, 21, e48530.	4.5	24
646	Profiling Microglia From Alzheimer's Disease Donors and Non-demented Elderly in Acute Human Postmortem Cortical Tissue. Frontiers in Molecular Neuroscience, 2020, 13, 134.	2.9	51
647	TREM2 activation on microglia promotes myelin debris clearance and remyelination in a model of multiple sclerosis. Acta Neuropathologica, 2020, 140, 513-534.	7.7	186
648	Multiscale causal networks identify VGF as a key regulator of Alzheimer's disease. Nature Communications, 2020, 11, 3942.	12.8	94
649	Microglia depletion diminishes key elements of the leukotriene pathway in the brain of Alzheimer's Disease mice. Acta Neuropathologica Communications, 2020, 8, 129.	5.2	21
650	Coupled scRNA-Seq and Intracellular Protein Activity Reveal an Immunosuppressive Role of TREM2 in Cancer. Cell, 2020, 182, 872-885.e19.	28.9	298
651	Microglia Do Not Take Up Soluble Amyloid-beta Peptides, But Partially Degrade Them by Secreting Insulin-degrading Enzyme. Neuroscience, 2020, 443, 30-43.	2.3	14

#	Article	IF	CITATIONS
652	Trem2 deficiency differentially affects phenotype and transcriptome of human APOE3 and APOE4 mice. Molecular Neurodegeneration, 2020, 15, 41.	10.8	43
653	Microglia: Agents of the CNS Pro-Inflammatory Response. Cells, 2020, 9, 1717.	4.1	174
654	Investigating Microglia in Health and Disease: Challenges and Opportunities. Trends in Immunology, 2020, 41, 785-793.	6.8	35
655	Quantitative immunohistochemical analysis of myeloid cell marker expression in human cortex captures microglia heterogeneity with anatomical context. Scientific Reports, 2020, 10, 11693.	3.3	33
656	Single Cell Transcriptome Analysis of Niemann–Pick Disease, Type C1 Cerebella. International Journal of Molecular Sciences, 2020, 21, 5368.	4.1	20
657	Human fetal microglia acquire homeostatic immune-sensing properties early in development. Science, 2020, 369, 530-537.	12.6	104
658	Early-Onset Familial Alzheimer Disease Variant PSEN2 N1411 Heterozygosity is Associated with Altered Microglia Phenotype. Journal of Alzheimer's Disease, 2020, 77, 675-688.	2.6	18
659	The Diverse Roles of Monocytes in Cryptococcosis. Journal of Fungi (Basel, Switzerland), 2020, 6, 111.	3.5	5
660	The Role of TGFÎ <sup>2</sup> Signaling in Microglia Maturation and Activation. Trends in Immunology, 2020, 41, 836-848.	6.8	60
661	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimer's disease. Acta Neuropathologica Communications, 2020, 8, 119.	5.2	75
662	Microglia and astrocyte dysfunction in parkinson's disease. Neurobiology of Disease, 2020, 144, 105028.	4.4	177
663	Sharing of Genetic Association Signals by Age-Related Macular Degeneration and Alzheimer's Disease at Multiple Levels. Molecular Neurobiology, 2020, 57, 4488-4499.	4.0	7
664	Microglia facilitate loss of perineuronal nets in the Alzheimer's disease brain. EBioMedicine, 2020, 58, 102919.	6.1	123
665	Control of Innate Immunity by Sialic Acids in the Nervous Tissue. International Journal of Molecular Sciences, 2020, 21, 5494.	4.1	18
666	Understanding microglial diversity and implications for neuronal function in health and disease. Developmental Neurobiology, 2021, 81, 507-523.	3.0	29
667	Immunological Features of Non-neuronal Brain Cells: Implications for Alzheimer's Disease Immunotherapy. Trends in Immunology, 2020, 41, 794-804.	6.8	36
668	Ubiquitin Ligase COP1 Suppresses Neuroinflammation by Degrading c/EBPβ in Microglia. Cell, 2020, 182, 1156-1169.e12.	28.9	77
669	Higher CSF sTREM2 and microglia activation are associated with slower rates of betaâ€amyloid accumulation. EMBO Molecular Medicine, 2020, 12, e12308.	6.9	73

#	Article	IF	CITATIONS
670	Microglia Gone Awry: Linking Immunometabolism to Neurodegeneration. Frontiers in Cellular Neuroscience, 2020, 14, 246.	3.7	30
671	Gene therapy for Alzheimer's disease targeting CD33 reduces amyloid beta accumulation and neuroinflammation. Human Molecular Genetics, 2020, 29, 2920-2935.	2.9	55
672	HighÂGlucose and Hypoxia-Mediated Damage to Human Brain Microvessel Endothelial Cells Induces an Altered, Pro-Inflammatory Phenotype in BV-2 Microglia In Vitro. Cellular and Molecular Neurobiology, 2022, 42, 985-996.	3.3	11
673	Loss of TREM2 Confers Resilience to Synaptic and Cognitive Impairment in Aged Mice. Journal of Neuroscience, 2020, 40, 9552-9563.	3.6	32
674	Tools and Approaches for Studying Microglia In vivo. Frontiers in Immunology, 2020, 11, 583647.	4.8	37
675	CSF1R signaling is a regulator of pathogenesis in progressive MS. Cell Death and Disease, 2020, 11, 904.	6.3	74
676	Gene expression and functional deficits underlie TREM2-knockout microglia responses in human models of Alzheimer's disease. Nature Communications, 2020, 11, 5370.	12.8	160
677	Heterogeneity of Neuroinflammatory Responses in Amyotrophic Lateral Sclerosis: A Challenge or an Opportunity?. International Journal of Molecular Sciences, 2020, 21, 7923.	4.1	15
678	Microglial Phagocytosis: A Disease-Associated Process Emerging from Alzheimer's Disease Genetics. Trends in Neurosciences, 2020, 43, 965-979.	8.6	104
679	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10. Cell, 2020, 183, 1234-1248.e25.	28.9	79
679 680	<ul> <li>CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10. Cell, 2020, 183, 1234-1248.e25.</li> <li>Cerebrospinal fluid sTREM2 in Alzheimer's disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.</li> </ul>	28.9 3.3	79 23
679 680 681	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cell, 2020, 183, 1234-1248.e25.         Cerebrospinal fluid sTREM2 in Alzheimer's disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections. Genome Medicine, 2020, 12, 93.	28.9 3.3 8.2	79 23 65
679 680 681 682	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cerebrospinal fluid sTREM2 in Alzheimer's disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections.         Genome Medicine, 2020, 12, 93.         Sex- and region-biased depletion of microglia/macrophages attenuates CLN1 disease in mice. Journal of Neuroinflammation, 2020, 17, 323.	28.9 3.3 8.2 7.2	<ul> <li>79</li> <li>23</li> <li>65</li> <li>20</li> </ul>
<ul> <li>679</li> <li>680</li> <li>681</li> <li>682</li> <li>683</li> </ul>	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cell, 2020, 183, 1234-1248.e25.         Cerebrospinal fluid sTREM2 in Alzheimer's disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections. Genome Medicine, 2020, 12, 93.         Sex- and region-biased depletion of microglia/macrophages attenuates CLN1 disease in mice. Journal of Neuroinflammation, 2020, 17, 323.         Enhanced expression of complement and microglial-specific genes prior to clinical progression in the MOG-experimental autoimmune encephalomyelitis model of multiple sclerosis. Brain Research Bulletin, 2020, 165, 63-69.	28.9 3.3 8.2 7.2 3.0	<ul> <li>79</li> <li>23</li> <li>65</li> <li>20</li> <li>6</li> </ul>
<ul> <li>679</li> <li>680</li> <li>681</li> <li>682</li> <li>683</li> <li>684</li> </ul>	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cell, 2020, 183, 1234-1248.e25.         Cerebrospinal fluid sTREM2 in Alzheimer's disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections. Genome Medicine, 2020, 12, 93.         Sex- and region-biased depletion of microglia/macrophages attenuates CLN1 disease in mice. Journal of Neuroinflammation, 2020, 17, 323.         Enhanced expression of complement and microglial-specific genes prior to clinical progression in the MOG-experimental autoimmune encephalomyelitis model of multiple sclerosis. Brain Research Bulletin, 2020, 165, 63-69.         BV-2 Microglial Cells Overexpressing C9orf72 Hexanucleotide Repeat Expansion Produce DPR Proteins and Show Normal Functionality but No RNA Foci. Frontiers in Neurology, 2020, 11, 550140.	28.9 3.3 8.2 7.2 3.0 2.4	<ul> <li>79</li> <li>23</li> <li>65</li> <li>20</li> <li>6</li> <li>4</li> </ul>
<ul> <li>679</li> <li>680</li> <li>681</li> <li>682</li> <li>683</li> <li>684</li> <li>685</li> </ul>	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cerebrospinal fluid sTREM2 in Alzheimer〙s disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections. Genome Medicine, 2020, 12, 93.         Sex- and region-biased depletion of microglia/macrophages attenuates CLN1 disease in mice. Journal of Neuroinflammation, 2020, 17, 323.         Enhanced expression of complement and microglial-specific genes prior to clinical progression in the MOG-experimental autoimmune encephalomyelitis model of multiple sclerosis. Brain Research Bulletin, 2020, 165, 63-69.         BV-2 Microglial Cells Overexpressing C9orf72 Hexanucleotide Repeat Expansion Produce DPR Proteins and Show Normal Functionality but No RNA Foci. Frontiers in Neurology, 2020, 11, 550140.         CELF2 regulates the species-specific alternative splicing of TREM2. Scientific Reports, 2020, 10, 17995.	28.9 3.3 8.2 7.2 3.0 2.4 3.3	<ul> <li>79</li> <li>23</li> <li>65</li> <li>20</li> <li>6</li> <li>4</li> <li>14</li> </ul>
<ul> <li>679</li> <li>680</li> <li>681</li> <li>682</li> <li>683</li> <li>684</li> <li>685</li> <li>686</li> </ul>	CNS-Native Myeloid Cells Drive Immune Suppression in the Brain Metastatic Niche through Cxcl10.         Cerebrospinal fluid sTREM2 in Alzheimer〙s disease: comparisons between clinical presentation and AT classification. Scientific Reports, 2020, 10, 15886.         The landscape of host genetic factors involved in immune response to common viral infections. Cenome Medicine, 2020, 12, 93.         Sex- and region-biased depletion of microglia/macrophages attenuates CLN1 disease in mice. Journal of Neuroinflammation, 2020, 17, 323.         Enhanced expression of complement and microglial-specific genes prior to clinical progression in the MOG-experimental autoimmune encephalomyelitis model of multiple sclerosis. Brain Research Bulletin, 2020, 165, 63-69.         BV-2 Microglial Cells Overexpressing C9orf72 Hexanucleotide Repeat Expansion Produce DPR Proteins and Show Normal Functionality but No RNA Foci. Frontiers in Neurology, 2020, 11, 550140.         CELF2 regulates the species-specific alternative splicing of TREM2. Scientific Reports, 2020, 10, 17995.         Aging-Exacerbated Acute Axon and Myelin Injury Is Associated with Microglia-Derived Reactive Oxygen Species and Is Alleviated by the Generic Medication Indapamide. Journal of Neuroscience, 2020, 40, 8587-8600.	28.9 3.3 8.2 7.2 3.0 2.4 3.3 3.6	<ul> <li>79</li> <li>23</li> <li>65</li> <li>20</li> <li>6</li> <li>4</li> <li>14</li> <li>13</li> </ul>

#	Article	IF	CITATIONS
688	Anti-human TREM2 induces microglia proliferation and reduces pathology in an Alzheimer's disease model. Journal of Experimental Medicine, 2020, 217, .	8.5	223
689	In Vivo TSPO Signal and Neuroinflammation in Alzheimer's Disease. Cells, 2020, 9, 1941.	4.1	51
690	Pharmacologically reversible zonation-dependent endothelial cell transcriptomic changes with neurodegenerative disease associations in the aged brain. Nature Communications, 2020, 11, 4413.	12.8	59
691	<i>Trem2</i> promotes anti-inflammatory responses in microglia and is suppressed under pro-inflammatory conditions. Human Molecular Genetics, 2020, 29, 3224-3248.	2.9	76
692	Aging and Neurodegenerative Disease: Is the Adaptive Immune System a Friend or Foe?. Frontiers in Aging Neuroscience, 2020, 12, 572090.	3.4	78
693	Progranulin Administration Attenuates β-Amyloid Deposition in the Hippocampus of 5xFAD Mice Through Modulating BACE1 Expression and Microglial Phagocytosis. Frontiers in Cellular Neuroscience, 2020, 14, 260.	3.7	13
694	Human Pluripotent Stem Cell-Derived Neural Cells as a Relevant Platform for Drug Screening in Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 6867.	4.1	26
695	Rps27a might act as a controller of microglia activation in triggering neurodegenerative diseases. PLoS ONE, 2020, 15, e0239219.	2.5	27
696	Microglial-associated responses to comorbid amyloid pathology and hyperhomocysteinemia in an aged knock-in mouse model of Alzheimer's disease. Journal of Neuroinflammation, 2020, 17, 274.	7.2	12
697	APOE and TREM2 regulate amyloid-responsive microglia in Alzheimer's disease. Acta Neuropathologica, 2020, 140, 477-493.	7.7	117
698	Exploring the VISTA of microglia: immune checkpoints in CNS inflammation. Journal of Molecular Medicine, 2020, 98, 1415-1430.	3.9	17
699	The impact of cell maturation and tissue microenvironments on the expression of endosomal Toll-like receptors in monocytes and macrophages. International Immunology, 2020, 32, 785-798.	4.0	14
700	Single-cell mass cytometry of microglia in major depressive disorder reveals a non-inflammatory phenotype with increased homeostatic marker expression. Translational Psychiatry, 2020, 10, 310.	4.8	56
701	The Alzheimer's disease-associated protective Plcγ2-P522R variant promotes immune functions. Molecular Neurodegeneration, 2020, 15, 52.	10.8	48
702	The effects of microglia―and astrocyteâ€derived factors on neurogenesis in health and disease. European Journal of Neuroscience, 2021, 54, 5880-5901.	2.6	84
703	Transcriptome Analyses in BV2 Microglial Cells Following Treatment With Amino-Terminal Fragments of Apolipoprotein E. Frontiers in Aging Neuroscience, 2020, 12, 256.	3.4	10
704	Microglia Demonstrate Local Mixed Inflammation and a Defined Morphological Shift in an APP/PS1 Mouse Model. Journal of Alzheimer's Disease, 2020, 77, 1765-1781.	2.6	4
705	Astrocytic TSPO Upregulation Appears Before Microglial TSPO in Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 77, 1043-1056.	2.6	38

#	Article	IF	CITATIONS
706	Mice defective in interferon signaling help distinguish between primary and secondary pathological pathways in a mouse model of neuronal forms of Gaucher disease. Journal of Neuroinflammation, 2020, 17, 265.	7.2	10
707	Microglia-targeting nanotherapeutics for neurodegenerative diseases. APL Bioengineering, 2020, 4, 030902.	6.2	49
708	Macrophages and scavenger receptors in obesityâ€associated nonâ€alcoholic liver fatty disease (NAFLD). Scandinavian Journal of Immunology, 2020, 92, e12971.	2.7	9
709	Therapeutic Trem2 activation ameliorates amyloid-beta deposition and improves cognition in the 5XFAD model of amyloid deposition. Journal of Neuroinflammation, 2020, 17, 238.	7.2	60
710	Discovery of small molecules that normalize the transcriptome and enhance cysteine cathepsin activity in progranulin-deficient microglia. Scientific Reports, 2020, 10, 13688.	3.3	13
711	Commentary: Trem2 Deletion Reduces Late-Stage Amyloid Plaque Accumulation, Elevates the Al̂242:Al̂240 Ratio, and Exacerbates Axonal Dystrophy and Dendritic Spine Loss in the PS2APP Alzheimer's Mouse Model. Frontiers in Aging Neuroscience, 2020, 12, 219.	3.4	11
712	Current Aspects of the Endocannabinoid System and Targeted THC and CBD Phytocannabinoids as Potential Therapeutics for Parkinson's and Alzheimer's Diseases: a Review. Molecular Neurobiology, 2020, 57, 4878-4890.	4.0	56
713	Single-cell mass cytometry reveals complex myeloid cell composition in active lesions of progressive multiple sclerosis. Acta Neuropathologica Communications, 2020, 8, 136.	5.2	35
714	The Complexity of Microglial Interactions With Innate and Adaptive Immune Cells in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 592359.	3.4	31
715	γ-Secretase Modulatory Proteins: The Guiding Hand Behind the Running Scissors. Frontiers in Aging Neuroscience, 2020, 12, 614690.	3.4	12
716	How Microglia Manages Non-cell Autonomous Vicious Cycling of AÎ <sup>2</sup> Toxicity in the Pathogenesis of AD. Frontiers in Molecular Neuroscience, 2020, 13, 593724.	2.9	7
717	Microglia Suppress Ascl1-Induced Retinal Regeneration in Mice. Cell Reports, 2020, 33, 108507.	6.4	66
718	Age-related gene expression changes in lumbar spinal cord: Implications for neuropathic pain. Molecular Pain, 2020, 16, 174480692097191.	2.1	5
719	Non-genetic Heterogeneity of Macrophages in Diseases—A Medical Perspective. Frontiers in Cell and Developmental Biology, 2020, 8, 613116.	3.7	10
720	Immovable Object Meets Unstoppable Force? Dialogue Between Resident and Peripheral Myeloid Cells in the Inflamed Brain. Frontiers in Immunology, 2020, 11, 600822.	4.8	10
721	The Joint-Brain Axis: Insights From Rheumatoid Arthritis on the Crosstalk Between Chronic Peripheral Inflammation and the Brain. Frontiers in Immunology, 2020, 11, 612104.	4.8	35
722	Differential Roles of TREM2+ Microglia in Anterograde and Retrograde Axonal Injury Models. Frontiers in Cellular Neuroscience, 2020, 14, 567404.	3.7	12
723	Organotypic Brain Slice Culture Microglia Exhibit Molecular Similarity to Acutely-Isolated Adult Microglia and Provide a Platform to Study Neuroinflammation. Frontiers in Cellular Neuroscience, 2020, 14, 592005.	3.7	29

#	Article	IF	CITATIONS
724	Synaptic Loss in Alzheimer's Disease: Mechanistic Insights Provided by Two-Photon in vivo Imaging of Transgenic Mouse Models. Frontiers in Cellular Neuroscience, 2020, 14, 592607.	3.7	47
725	A high cerebrospinal fluid soluble TREM2 level is associated with slow clinical progression of Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12128.	2.4	16
726	Space-Dependent Glia–Neuron Interplay in the Hippocampus of Transgenic Models of β-Amyloid Deposition. International Journal of Molecular Sciences, 2020, 21, 9441.	4.1	9
727	TLR4 Targeting as a Promising Therapeutic Strategy for Alzheimer Disease Treatment. Frontiers in Neuroscience, 2020, 14, 602508.	2.8	46
728	The Role of Chronic Inflammatory Bone and Joint Disorders in the Pathogenesis and Progression of Alzheimer's Disease. Frontiers in Aging Neuroscience, 2020, 12, 583884.	3.4	14
729	c-Jun N-Terminal Kinase Inhibitors as Potential Leads for New Therapeutics for Alzheimer's Diseases. International Journal of Molecular Sciences, 2020, 21, 9677.	4.1	28
730	Cerebral sterile inflammation in neurodegenerative diseases. Inflammation and Regeneration, 2020, 40, 28.	3.7	24
731	Thioredoxin-Interacting Protein (TXNIP) with Focus on Brain and Neurodegenerative Diseases. International Journal of Molecular Sciences, 2020, 21, 9357.	4.1	74
732	The Novel Omega-6 Fatty Acid Docosapentaenoic Acid Positively Modulates Brain Innate Immune Response for Resolving Neuroinflammation at Early and Late Stages of Humanized APOE-Based Alzheimer's Disease Models. Frontiers in Immunology, 2020, 11, 558036.	4.8	14
733	Insulin Resistance at the Crossroad of Alzheimer Disease Pathology: A Review. Frontiers in Endocrinology, 2020, 11, 560375.	3.5	39
734	APOE2: protective mechanism and therapeutic implications for Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 63.	10.8	110
735	Multi-omic comparison of Alzheimer's variants in human ESC–derived microglia reveals convergence at <i>APOE</i> . Journal of Experimental Medicine, 2020, 217, .	8.5	41
736	Gut Microbiota–Derived Short-Chain Fatty Acids Promote Poststroke Recovery in Aged Mice. Circulation Research, 2020, 127, 453-465.	4.5	263
737	Cellular and Molecular Changes of Brain Metastases-Associated Myeloid Cells during Disease Progression and Therapeutic Response. IScience, 2020, 23, 101178.	4.1	32
738	Gene Ontology Curation of Neuroinflammation Biology Improves the Interpretation of Alzheimer's Disease Gene Expression Data. Journal of Alzheimer's Disease, 2020, 75, 1417-1435.	2.6	18
739	Molecular Insight into the Therapeutic Promise of Targeting <i>APOE4</i> for Alzheimer's Disease. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-16.	4.0	38
740	Regulation of Microglial Functions by Purinergic Mechanisms in the Healthy and Diseased CNS. Cells, 2020, 9, 1108.	4.1	129
741	Flow-cytometric microglial sorting coupled with quantitative proteomics identifies moesin as a highly-abundant microglial protein with relevance to Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 28.	10.8	37

#	Article	IF	CITATIONS
742	Host-Viral Infection Maps Reveal Signatures of Severe COVID-19 Patients. Cell, 2020, 181, 1475-1488.e12.	28.9	405
743	Single-cell RNA-seq analysis of human CSF microglia and myeloid cells in neuroinflammation. Neurology: Neuroimmunology and NeuroInflammation, 2020, 7, .	6.0	65
744	Single-Cell RNA Sequencing and Its Combination with Protein and DNA Analyses. Cells, 2020, 9, 1130.	4.1	42
745	C9orf72 suppresses systemic and neural inflammation induced by gut bacteria. Nature, 2020, 582, 89-94.	27.8	182
746	Behavioral and electrophysiological evidence for a neuroprotective role of aquaporin-4 in the 5xFAD transgenic mice model. Acta Neuropathologica Communications, 2020, 8, 67.	5.2	27
747	Microglia depletion rapidly and reversibly alters amyloid pathology by modification of plaque compaction and morphologies. Neurobiology of Disease, 2020, 142, 104956.	4.4	76
748	A unique hybrid characteristic having both pro- and anti-inflammatory phenotype transformed by repetitive low-dose lipopolysaccharide in C8-B4 microglia. Scientific Reports, 2020, 10, 8945.	3.3	12
749	Microglial Density Alters Measures of Axonal Integrity and Structural Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 1061-1068.	1.5	8
750	Macrophage Subsets in Obesity, Aligning the Liver and Adipose Tissue. Frontiers in Endocrinology, 2020, 11, 259.	3.5	32
751	Lipid and Lipoprotein Metabolism in Microglia. Frontiers in Physiology, 2020, 11, 393.	2.8	122
753	Brain delivery and activity of a lysosomal enzyme using a blood-brain barrier transport vehicle in mice. Science Translational Medicine, 2020, 12, .	12.4	121
754	Ocular hypertension suppresses homeostatic gene expression in optic nerve head microglia of DBA/2 J mice. Molecular Brain, 2020, 13, 81.	2.6	31
755	Humanized tau antibodies promote tau uptake by human microglia without any increase of inflammation. Acta Neuropathologica Communications, 2020, 8, 74.	5.2	22
756	Changes in the Oligodendrocyte Progenitor Cell Proteome with Ageing. Molecular and Cellular Proteomics, 2020, 19, 1281-1302.	3.8	53
757	Single-Cell Mapping of Human Brain Cancer Reveals Tumor-Specific Instruction of Tissue-Invading Leukocytes. Cell, 2020, 181, 1626-1642.e20.	28.9	388
758	Hippocampal overexpression of TREM2 ameliorates high fat diet induced cognitive impairment and modulates phenotypic polarization of the microglia. Genes and Diseases, 2022, 9, 401-414.	3.4	26
759	Neuronâ€glia interactions: Molecular basis of alzheimer's disease and applications of neuroproteomics. European Journal of Neuroscience, 2020, 52, 2931-2943.	2.6	32
760	APOE ε4 genotype-dependent cerebrospinal fluid proteomic signatures in Alzheimer's disease. Alzheimer's Research and Therapy, 2020, 12, 65.	6.2	28

#	Article	IF	CITATIONS
761	Shifting paradigms: The central role of microglia in Alzheimer's disease. Neurobiology of Disease, 2020, 143, 104962.	4.4	60
762	Transcriptomic characterization of microglia activation in a rat model of ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S34-S48.	4.3	47
763	Modulation of KDM1A with vafidemstat rescues memory deficit and behavioral alterations. PLoS ONE, 2020, 15, e0233468.	2.5	29
764	Remodeling microglia to a protective phenotype in Parkinson's disease?. Neuroscience Letters, 2020, 735, 135164.	2.1	17
765	Determinants of Resident Tissue Macrophage Identity and Function. Immunity, 2020, 52, 957-970.	14.3	280
766	The Physiology, Pathology, and Potential Therapeutic Applications of the TREM2 Signaling Pathway. Cell, 2020, 181, 1207-1217.	28.9	279
767	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. Cell Reports, 2020, 31, 107699.	6.4	23
768	Glia in neurodegeneration: Drivers of disease or along for the ride?. Neurobiology of Disease, 2020, 142, 104957.	4.4	56
769	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.	14.8	142
770	Inflammation and Oxidative Stress in Multiple Sclerosis: Consequences for Therapy Development. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	4.0	73
771	Microglia. , 2020, , 995-1020.		3
772	Advances in single-cell epigenomics of the immune system. , 2020, , 185-216.		1
773	Oligomeric Forms of Human Amyloid-Beta(1–42) Inhibit Antigen Presentation. Frontiers in Immunology, 2020, 11, 1029.	4.8	6
774	Oligodendrocytes Provide Antioxidant Defense Function for Neurons by Secreting Ferritin Heavy Chain. Cell Metabolism, 2020, 32, 259-272.e10.	16.2	98
775	25-Hydroxycholesterol amplifies microglial IL-1β production in an apoE isoform-dependent manner. Journal of Neuroinflammation, 2020, 17, 192.	7.2	57
776	Congenic expression of poly-GA but not poly-PR in mice triggers selective neuron loss and interferon responses found in C9orf72 ALS. Acta Neuropathologica, 2020, 140, 121-142.	7.7	44
777	Microglia clear neuron-released α-synuclein via selective autophagy and prevent neurodegeneration. Nature Communications, 2020, 11, 1386.	12.8	279
778	A Novel Microglia-Specific Transcriptional Signature Correlates With Behavioral Deficits in Neuropsychiatric Lupus. Frontiers in Immunology, 2020, 11, 230.	4.8	27

	Сітат	tion Report	
#	Article	IF	CITATIONS
779	How microbiota shape microglial phenotypes and epigenetics. Glia, 2020, 68, 1655-1672.	4.9	44
780	Enhancing protective microglial activities with a dual function <scp>TREM</scp> 2 antibody to the stalk region. EMBO Molecular Medicine, 2020, 12, e11227.	6.9	155
781	Alzheimer's Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. Neuron, 2020, 106, 727-742.e6.	8.1	152
782	Temporospatial distribution and transcriptional profile of retinal microglia in the oxygenâ€induced retinopathy mouse model. Glia, 2020, 68, 1859-1873.	4.9	40
783	The clinical promise of biomarkers of synapse damage or loss in Alzheimer's disease. Alzheimer's Research and Therapy, 2020, 12, 21.	6.2	183
784	Next-Generation Neuroimmunology: New Technologies to Understand Central Nervous System Autoimmunity. Trends in Immunology, 2020, 41, 341-354.	6.8	14
785	Dissecting cellular crosstalk by sequencing physically interacting cells. Nature Biotechnology, 2020, 38, 629-637.	17.5	187
786	CD300f immunoreceptor is associated with major depressive disorder and decreased microglial metabolic fitness. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6651-6662.	7.1	21
787	Metabolic Reprograming of Microglia in the Regulation of the Innate Inflammatory Response. Frontiers in Immunology, 2020, 11, 493.	4.8	152
788	Protein transmission in neurodegenerative disease. Nature Reviews Neurology, 2020, 16, 199-212.	10.1	330
789	Role of dietary fatty acids in microglial polarization in Alzheimer's disease. Journal of Neuroinflammation, 2020, 17, 93.	7.2	57
790	Characterization of the chromatin accessibility in an Alzheimer's disease (AD) mouse model. Alzheimer's Research and Therapy, 2020, 12, 29.	6.2	29
791	Chronic Peripheral Inflammation Causes a Region-Specific Myeloid Response in the Central Nervous System. Cell Reports, 2020, 30, 4082-4095.e6.	6.4	56
792	Human iPSC-derived mature microglia retain their identity and functionally integrate in the chimeric mouse brain. Nature Communications, 2020, 11, 1577.	12.8	108
793	Protective Microglial Subset in Development, Aging, and Disease: Lessons From Transcriptomic Studies. Frontiers in Immunology, 2020, 11, 430.	4.8	77
794	PLCG2 protective variant p.P522R modulates tau pathology and disease progression in patients with mild cognitive impairment. Acta Neuropathologica, 2020, 139, 1025-1044.	7.7	40
795	Endocannabinoid Modulation of Microglial Phenotypes in Neuropathology. Frontiers in Neurology, 2020, 11, 87.	2.4	86
796	Alzheimer's disease: microglia targets and their modulation to promote amyloid phagocytosis and mitigate neuroinflammation. Expert Opinion on Therapeutic Targets, 2020, 24, 331-344.	3.4	43

#	Article	IF	CITATIONS
797	Progressive longâ€ŧerm spatial memory loss following repeat concussive and subconcussive brain injury in mice, associated with dorsal hippocampal neuron loss, microglial phenotype shift, and vascular abnormalities. European Journal of Neuroscience, 2021, 54, 5844-5879.	2.6	12
798	Alzheimer's disease: A need for personalized therapeutic approaches. Drug Development Research, 2020, 81, 141-143.	2.9	5
799	Repopulating Microglia Promote Brain Repair in an IL-6-Dependent Manner. Cell, 2020, 180, 833-846.e16.	28.9	292
800	Microglial Homeostasis Requires Balanced CSF-1/CSF-2 Receptor Signaling. Cell Reports, 2020, 30, 3004-3019.e5.	6.4	53
801	TREM2: Modulator of Lipid Metabolism in Microglia. Neuron, 2020, 105, 759-761.	8.1	26
802	Cell-by-Cell Deconstruction of Stem Cell Niches. Cell Stem Cell, 2020, 27, 19-34.	11.1	19
803	Cellular senescence and Alzheimer disease: the egg and the chicken scenario. Nature Reviews Neuroscience, 2020, 21, 433-444.	10.2	132
804	Genome-wide transcriptomics identifies an early preclinical signature of prion infection. PLoS Pathogens, 2020, 16, e1008653.	4.7	40
805	Association of <i>APOE</i> With Primary Open-Angle Glaucoma Suggests a Protective Effect for <i>APOE Îμ4</i> . , 2020, 61, 3.		23
806	MicroRNA-195 rescues ApoE4-induced cognitive deficits and lysosomal defects in Alzheimer's disease pathogenesis. Molecular Psychiatry, 2021, 26, 4687-4701.	7.9	41
807	Low-Dose Ionizing Radiation Modulates Microglia Phenotypes in the Models of Alzheimer's Disease. International Journal of Molecular Sciences, 2020, 21, 4532.	4.1	35
808	Identification of Conserved Proteomic Networks in Neurodegenerative Dementia. Cell Reports, 2020, 31, 107807.	6.4	49
809	Anti-neuroinflammatory Effect of Short-Chain Fatty Acid Acetate against Alzheimer's Disease via Upregulating GPR41 and Inhibiting ERK/JNK/NF-κB. Journal of Agricultural and Food Chemistry, 2020, 68, 7152-7161.	5.2	79
810	Functional analysis of CX3CR1 in human induced pluripotent stem (iPS) cellâ€derived microgliaâ€like cells. European Journal of Neuroscience, 2020, 52, 3667-3678.	2.6	14
811	The role of innate immunity in Alzheimer's disease. Immunological Reviews, 2020, 297, 225-246.	6.0	70
812	Microglia heterogeneity and neurodegeneration: The emerging paradigm of the role of immunity in Alzheimer's disease. Journal of Neuroimmunology, 2020, 341, 577185.	2.3	58
813	Textured nanofibrils drive microglial phenotype. Biomaterials, 2020, 257, 120177.	11.4	3
814	Functional and transcriptional characterization of complex neuronal co-cultures. Scientific Reports, 2020, 10, 11007.	3.3	27

C		F		~ ~ ~
CH.	AHC	JN I	(EP)	<b>JKL</b>

#	Article	IF	CITATIONS
815	The Dual Role of Microglia in the Progression of Alzheimer's Disease. Journal of Neuroscience, 2020, 40, 1608-1610.	3.6	23
816	Investigating microglia during motor neuron degeneration using a zebrafish model. Micron, 2020, 133, 102852.	2.2	4
817	The multiplex model of the genetics of Alzheimer's disease. Nature Neuroscience, 2020, 23, 311-322.	14.8	291
818	CD200 maintains the regionâ€specific phenotype of microglia in the midbrain and its role in Parkinson's disease. Glia, 2020, 68, 1874-1890.	4.9	9
819	Mechanistic insights into the deleterious roles of Nasu-Hakola disease associated TREM2 variants. Scientific Reports, 2020, 10, 3663.	3.3	24
820	Transcriptomic and functional studies reveal undermined chemotactic and angiostimulatory properties of aged microglia during stroke recovery. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, S81-S97.	4.3	29
821	Inhibition of colony stimulating factor 1 receptor corrects maternal inflammation-induced microglial and synaptic dysfunction and behavioral abnormalities. Molecular Psychiatry, 2021, 26, 1808-1831.	7.9	44
822	Abrogation of type-I interferon signalling alters the microglial response to Aβ1–42. Scientific Reports, 2020, 10, 3153.	3.3	21
823	Activated Bone Marrow-Derived Macrophages Eradicate Alzheimer's-Related Aβ42 Oligomers and Protect Synapses. Frontiers in Immunology, 2020, 11, 49.	4.8	32
824	Microglia and macrophages promote corralling, wound compaction and recovery after spinal cord injury via Plexin-B2. Nature Neuroscience, 2020, 23, 337-350.	14.8	146
825	Neurodegeneration in a dish: advancing human stem-cell-based models of Alzheimer's disease. Current Opinion in Neurobiology, 2020, 61, 96-104.	4.2	10
826	Region-specific glial homeostatic signature in prion diseases is replaced by a uniform neuroinflammation signature, common for brain regions and prion strains with different cell tropism. Neurobiology of Disease, 2020, 137, 104783.	4.4	35
827	Immune cell regulation of glia during CNS injury and disease. Nature Reviews Neuroscience, 2020, 21, 139-152.	10.2	230
828	Absence of microglia or presence of peripherallyâ€derived macrophages does not affect tau pathology in young or old hTau mice. Clia, 2020, 68, 1466-1478.	4.9	10
829	Microglial A20 Protects the Brain from CD8 T-Cell-Mediated Immunopathology. Cell Reports, 2020, 30, 1585-1597.e6.	6.4	36
830	Innate sensing of mechanical properties of brain tissue by microglia. Current Opinion in Immunology, 2020, 62, 123-130.	5.5	32
831	Human and mouse single-nucleus transcriptomics reveal TREM2-dependent and TREM2-independent cellular responses in Alzheimer's disease. Nature Medicine, 2020, 26, 131-142.	30.7	641
832	Microglia response following acute demyelination is heterogeneous and limits infiltrating macrophage dispersion. Science Advances, 2020, 6, eaay6324.	10.3	130

#	Article	IF	CITATIONS
833	Nrf2 Suppresses Oxidative Stress and Inflammation in <i>App</i> Knock-In Alzheimer's Disease Model Mice. Molecular and Cellular Biology, 2020, 40, .	2.3	98
834	Therapeutic IDOL Reduction Ameliorates Amyloidosis and Improves Cognitive Function in APP/PS1 Mice. Molecular and Cellular Biology, 2020, 40, .	2.3	8
835	Patterns of Expression of Purinergic Receptor P2RY12, a Putative Marker for Non-Activated Microglia, in Aged and Alzheimer's Disease Brains. International Journal of Molecular Sciences, 2020, 21, 678.	4.1	86
836	Revealing and Harnessing Tumour-Associated Microglia/Macrophage Heterogeneity in Glioblastoma. International Journal of Molecular Sciences, 2020, 21, 689.	4.1	46
837	Disruption of a RAC1-centred network is associated with Alzheimer's disease pathology and causes age-dependent neurodegeneration. Human Molecular Genetics, 2020, 29, 817-833.	2.9	29
838	Microglia Mediated Neuroinflammation: Focus on PI3K Modulation. Biomolecules, 2020, 10, 137.	4.0	94
839	Hypofractionated radiation therapy with versus without immune checkpoint inhibitors in patients with brain metastases: A meta-analysis. International Immunopharmacology, 2020, 80, 106148.	3.8	9
840	Trem2 Deletion Reduces Late-Stage Amyloid Plaque Accumulation, Elevates the Aβ42:Aβ40 Ratio, and Exacerbates Axonal Dystrophy and Dendritic Spine Loss in the PS2APP Alzheimer's Mouse Model. Journal of Neuroscience, 2020, 40, 1956-1974.	3.6	114
841	T cell infiltration in both human multiple system atrophy and a novel mouse model of the disease. Acta Neuropathologica, 2020, 139, 855-874.	7.7	66
842	Epigenomic and transcriptional determinants of microglial cell identity. Glia, 2020, 68, 1643-1654.	4.9	6
843	Single Eye mRNA-Seq Reveals Normalisation of the Retinal Microglial Transcriptome Following Acute Inflammation. Frontiers in Immunology, 2019, 10, 3033.	4.8	14
844	Novel Alzheimer risk genes determine the microglia response to amyloidâ€Î² but not to TAU pathology. EMBO Molecular Medicine, 2020, 12, e10606.	6.9	182
845	Emerging technologies to study glial cells. Glia, 2020, 68, 1692-1728.	4.9	32
846	Lipid-droplet-accumulating microglia represent a dysfunctional and proinflammatory state in the aging brain. Nature Neuroscience, 2020, 23, 194-208.	14.8	558
847	Apolipoprotein E: Cholesterol metabolism and Alzheimer's pathology. Neuroforum, 2020, 26, 25-30.	0.3	0
848	Human iPSCâ€derived microglia: A growing toolset to study the brain's innate immune cells. Clia, 2020, 68, 721-739.	4.9	77
849	Therapeutic approaches targeting Apolipoprotein E function in Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 8.	10.8	89
850	Microglia Heterogeneity in the Single-Cell Era. Cell Reports, 2020, 30, 1271-1281.	6.4	421

#	Article	IF	CITATIONS
851	Microglia and Parkinson's disease: footprints to pathology. Journal of Neural Transmission, 2020, 127, 149-158.	2.8	37
852	Microglial activation arises after aggregation of phosphorylated-tau in a neuron-specific P301S tauopathy mouse model. Neurobiology of Aging, 2020, 89, 89-98.	3.1	43
853	Astrocytes and Microglia: In Sickness and in Health. Trends in Neurosciences, 2020, 43, 144-154.	8.6	279
854	A Conditionally Releasable "Do not Eat Me―CD47 Signal Facilitates Microgliaâ€Targeted Drug Delivery for the Treatment of Alzheimer's Disease. Advanced Functional Materials, 2020, 30, 1910691.	14.9	33
855	The Amyloid-beta rich CNS environment alters myeloid cell functionality independent of their origin. Scientific Reports, 2020, 10, 7152.	3.3	3
856	Microglia knockdown reduces inflammation and preserves cognition in diabetic animals after experimental stroke. Journal of Neuroinflammation, 2020, 17, 137.	7.2	33
857	Potential of activated microglia as a source of dysregulated extracellular microRNAs contributing to neurodegeneration in amyotrophic lateral sclerosis. Journal of Neuroinflammation, 2020, 17, 135.	7.2	25
858	Applications of singleâ€cell sequencing for the field of otolaryngology: A contemporary review. Laryngoscope Investigative Otolaryngology, 2020, 5, 404-431.	1.5	6
859	Alzheimer's disease beyond amyloid: Can the repetitive failures of amyloid-targeted therapeutics inform future approaches to dementia drug discovery?. Biochemical Pharmacology, 2020, 177, 113945.	4.4	62
860	Dynamic changes of CSF sTREM2 in preclinical Alzheimer's disease: the CABLE study. Molecular Neurodegeneration, 2020, 15, 25.	10.8	50
861	Why do anti-inflammatory signals of bone marrow-derived stromal cells improve neurodegenerative conditions where anti-inflammatory drugs fail?. Journal of Neural Transmission, 2020, 127, 715-727.	2.8	4
862	Early Fate Defines Microglia and Non-parenchymal Brain Macrophage Development. Cell, 2020, 181, 557-573.e18.	28.9	218
863	Leveraging preclinical models for the development of Alzheimer disease therapeutics. Nature Reviews Drug Discovery, 2020, 19, 447-462.	46.4	73
864	Transcriptional profiling and therapeutic targeting of oxidative stress in neuroinflammation. Nature Immunology, 2020, 21, 513-524.	14.5	118
865	Don't you know that you're ToxSeq?. Nature Immunology, 2020, 21, 495-497.	14.5	0
866	Profiling peripheral nerve macrophages reveals two macrophage subsets with distinct localization, transcriptome and response to injury. Nature Neuroscience, 2020, 23, 676-689.	14.8	148
867	Investigation of pathology, expression and proteomic profiles in human <i>TREM2</i> variant postmortem brains with and without Alzheimer's disease. Brain Pathology, 2020, 30, 794-810.	4.1	10
868	Reduction of the RNA Binding Protein TIA1 Exacerbates Neuroinflammation in Tauopathy. Frontiers in Neuroscience, 2020, 14, 285.	2.8	24

	CITATION R	EPORT	
#	ARTICLE	IF	CITATIONS
869	Microglia alterations in neurodegenerative diseases and their modeling with human induced pluripotent stem cell and other platforms. Progress in Neurobiology, 2020, 190, 101805.	5.7	35
870	The origin, fate and function of macrophages in the peripheral nervous system—an update. International Immunology, 2020, 32, 709-717.	4.0	13
871	Genetic identification of cell types underlying brain complex traits yields insights into the etiology of Parkinson's disease. Nature Genetics, 2020, 52, 482-493.	21.4	216
872	Disease-associated astrocytes in Alzheimer's disease and aging. Nature Neuroscience, 2020, 23, 701-706.	14.8	525
873	Microglial Corpse Clearance: Lessons From Macrophages. Frontiers in Immunology, 2020, 11, 506.	4.8	63
874	Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia. Alzheimer's and Dementia, 2020, 16, 734-749.	0.8	73
875	Mechanism of microRNAâ€22 in regulating neuroinflammation in Alzheimer's disease. Brain and Behavior, 2020, 10, e01627.	2.2	47
876	IL-33-PU.1 Transcriptome Reprogramming Drives Functional State Transition and Clearance Activity of Microglia in Alzheimer's Disease. Cell Reports, 2020, 31, 107530.	6.4	65
877	Microglia versus Monocytes: Distinct Roles in Degenerative Diseases of the Retina. Trends in Neurosciences, 2020, 43, 433-449.	8.6	74
878	Elevated protein synthesis in microglia causes autism-like synaptic and behavioral aberrations. Nature Communications, 2020, 11, 1797.	12.8	100
879	Reparative Effects of Stem Cell Factor and Granulocyte Colony-Stimulating Factor in Aged APP/PS1 Mice. , 2020, 11, 1423.		9
880	Pharmacotherapy of Alzheimer's Disease: Seeking Clarity in a Time of Uncertainty. Frontiers in Pharmacology, 2020, 11, 261.	3.5	48
881	Apolipoprotein E4 and meningeal lymphatics in Alzheimer disease: a conceptual framework. Molecular Psychiatry, 2021, 26, 1075-1097.	7.9	42
882	Modelling neurodegenerative disease using brain organoids. Seminars in Cell and Developmental Biology, 2021, 111, 60-66.	5.0	25
883	Uncovering an Organ's Molecular Architecture at Single-Cell Resolution by Spatially Resolved Transcriptomics. Trends in Biotechnology, 2021, 39, 43-58.	9.3	145
884	Keeping the liver fit with TREM2 during hepatic carcinogenesis. Gut, 2021, 70, 1210-1211.	12.1	3
885	Microglia in Alzheimer's Disease: The Role of Stem Cell-Microglia Interaction in Brain Homeostasis. Neurochemical Research, 2021, 46, 141-148.	3.3	23
886	What are activated and reactive glia and what is their role in neurodegeneration?. Neurobiology of Disease, 2021, 148, 105172.	4.4	39

CITATION REPORT ARTICLE IF CITATIONS Microglia and lipids: how metabolism controls brain innate immunity. Seminars in Cell and 5.0 75 Developmental Biology, 2021, 112, 137-144. Microglial <scp>CX3CR1</scp> production increases in Alzheimer's disease and is regulated by noradrenaline. Glia, 2021, 69, 73-90. Intrinsic <scp>DNA</scp> damage repair deficiency results in progressive microglia loss and 4.9 15 replacement. Glia, 2021, 69, 729-745. How to bridle a neutrophil. Current Opinion in Immunology, 2021, 68, 41-47. 5.5 The role of disabled-2 (Dab2) in diseases. Gene, 2021, 769, 145202. 2.2 11 Complement in Neurologic Disease. Annual Review of Pathology: Mechanisms of Disease, 2021, 16, 22.4 277-298. Tissue-specific features of microglial innate immune responses. Neurochemistry International, 2021, 3.8 8 142, 104924. Alzheimer's disease brain-derived extracellular vesicles spread tau pathology in interneurons. Brain, 7.6 2021, 144, 288-309. Analysis of CX3CR1 haplodeficiency in male and female APPswe/PSEN1dE9 mice along Alzheimer disease 9 4.1 progression. Brain, Behavior, and Immunity, 2021, 91, 404-417. Alzheimer's-associated PU.1 expression levels regulate microglial inflammatory response. 4.4 Neurobiology of Disease, 2021, 148, 105217. Microglial innate memory and epigenetic reprogramming in neurological disorders. Progress in 5.721 Neurobiology, 2021, 200, 101971. APOE and Alzheimer's disease: advances in genetics, pathophysiology, and therapeutic approaches. 399 Lancet Neurology, The, 2021, 20, 68-80. Reactive or transgenic increase in microglial TYROBP reveals a TREM2â€independent TYROBPâ€"APOE link 0.8 30 in wildâ€type and Alzheimer'sâ€related mice. Alzheimer's and Dementia, 2021, 17, 149-163. Soluble <scp>CD163</scp> Changes Indicate Monocyte Association With Cognitive Deficits in Parkinson's Disease. Movement Disorders, 2021, 36, 963-976. CoolMPS for robust sequencing of single-nuclear RNAs captured by droplet-based method. Nucleic 10 14.5 Acids Research, 2021, 49, e11-e11. Neuroinflammation and microglial activation in Alzheimer disease: where do we go from here?. 1,242 Nature Reviews Neurology, 2021, 17, 157-172. The human bone marrow harbors a CD45â<sup>^</sup> CD11B+ cell progenitor permitting rapid microglia-like cell 3.3 5 derivative approaches. Stem Cells Translational Medicine, 2021, 10, 582-597.

904Microglial Responses to Brain Injury and Disease: Functional Diversity and New Opportunities.4.236904Translational Stroke Research, 2021, 12, 474-495.4.236

#

887

888

889

890

891

893

894

895

896

897

899

901

#	Article	IF	CITATIONS
905	Human-specific microglial Siglec-11 transcript variant has the potential to affect polysialic acid-mediated brain functions at a distance. Glycobiology, 2021, 31, 231-242.	2.5	16
906	Attenuation of the extracellular matrix restores microglial activity during the early stage of amyloidosis. Glia, 2021, 69, 182-200.	4.9	12
907	Novel Targets for Alzheimer's Disease: A View Beyond Amyloid. Annual Review of Medicine, 2021, 72, 15-28.	12.2	22
908	Influenza vaccine combined with moderate-dose PD1 blockade reduces amyloid-β accumulation and improves cognition in APP/PS1 mice. Brain, Behavior, and Immunity, 2021, 91, 128-141.	4.1	16
909	Early Mitochondrial Fragmentation and Dysfunction in a Drosophila Model for Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 143-155.	4.0	16
910	Neuroimmune crosstalk and evolving pharmacotherapies in neurodegenerative diseases. Immunology, 2021, 162, 160-178.	4.4	12
911	Exploring genes that control microglial heterogeneity and transition. Neural Regeneration Research, 2021, 16, 2397.	3.0	0
912	Discovery of Nonlipogenic ABCA1 Inducing Compounds with Potential in Alzheimer's Disease and Type 2 Diabetes. ACS Pharmacology and Translational Science, 2021, 4, 143-154.	4.9	17
913	Neuropsychologie altersassoziierter Veräderungen. , 2021, , 11-32.		0
914	TREM2 Sensing of Tumor Cell Efferocytosis Promotes a Macrophage Molecular State that Limits NK Cell Antitumor Immunity. SSRN Electronic Journal, 0, , .	0.4	2
915	Identify differential genes and cell subclusters from time-series scRNA-seq data using scTITANS. Computational and Structural Biotechnology Journal, 2021, 19, 4132-4141.	4.1	6
916	A Destruction Model of the Vascular and Lymphatic Systems in the Emergence of Psychiatric Symptoms. Biology, 2021, 10, 34.	2.8	6
917	Decoding Mast Cell-Microglia Communication in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 1093.	4.1	40
918	Microglia in neurodegenerative diseases. Neural Regeneration Research, 2021, 16, 270.	3.0	59
919	Immune Regulation of Adult Neurogenic Niches in Health and Disease. Frontiers in Cellular Neuroscience, 2020, 14, 571071.	3.7	13
920	Arginase 1 Insufficiency Precipitates Amyloid-β Deposition and Hastens Behavioral Impairment in a Mouse Model of Amyloidosis. Frontiers in Immunology, 2020, 11, 582998.	4.8	15
921	An update on the rod microglia variant in experimental and clinical brain injury and disease. Brain Communications, 2021, 3, fcaa227.	3.3	33
922	Secreted Phosphoprotein 1 Expression in Retinal Mononuclear Phagocytes Links Murine to Human Choroidal Neovascularization. Frontiers in Cell and Developmental Biology, 2020, 8, 618598.	3.7	22

#	Article	IF	CITATIONS
923	Human physiomimetic model integrating microphysiological systems of the gut, liver, and brain for studies of neurodegenerative diseases. Science Advances, 2021, 7, .	10.3	73
924	The Application of Omics Technologies in the Research of Neurotoxicology. Methods in Molecular Biology, 2021, 2326, 143-154.	0.9	0
925	Bilirubin neurotoxicity: a narrative review on long lasting, insidious, and dangerous effects. Pediatric Medicine, 0, .	2.7	2
928	Transcriptional Diversity and Niche-Specific Distribution of Leukocyte Populations during <i>Staphylococcus aureus</i> Craniotomy-Associated Biofilm Infection. Journal of Immunology, 2021, 206, 751-765.	0.8	12
930	Lipoprotein Lipase Regulates Microglial Lipid Droplet Accumulation. Cells, 2021, 10, 198.	4.1	35
931	A genetic link between risk for Alzheimer's disease and severe COVID-19 outcomes via the <i>OAS1</i> gene. Brain, 2021, 144, 3727-3741.	7.6	65
932	Human induced pluripotent stem cell– based modeling of Alzheimer's disease, a glial perspective. , 2021, , 21-35.		2
935	Chronic peripheral inflammation: a possible contributor to neurodegenerative diseases. Neural Regeneration Research, 2021, 16, 1711.	3.0	27
936	Epigenetic Regulation of Kupffer Cell Function in Health and Disease. Frontiers in Immunology, 2020, 11, 609618.	4.8	32
937	Molecular characterization of selectively vulnerable neurons in Alzheimer's disease. Nature Neuroscience, 2021, 24, 276-287.	14.8	238
938	A Bioinformatics Analysis of Gene Expression Changes in Human Alzheimer's Disease and Mouse Models. , 2021, , .		0
939	miRNAs in Microglia: Important Players in Multiple Sclerosis Pathology. ASN Neuro, 2021, 13, 175909142098118.	2.7	12
940	AlzGPS: a genome-wide positioning systems platform to catalyze multi-omics for Alzheimer's drug discovery. Alzheimer's Research and Therapy, 2021, 13, 24.	6.2	44
941	Human brain organoids in Alzheimer's disease. Organoid, 0, 1, e5.	0.0	7
942	Microglial gene signature reveals loss of homeostatic microglia associated with neurodegeneration of Alzheimer's disease. Acta Neuropathologica Communications, 2021, 9, 1.	5.2	172
943	mTOR-dependent translation amplifies microglia priming in aging mice. Journal of Clinical Investigation, 2021, 131, .	8.2	43
944	Temporally distinct myeloid cell responses mediate damage and repair after cerebrovascular injury. Nature Neuroscience, 2021, 24, 245-258.	14.8	64
946	Sex differences in microglia as a risk factor for Alzheimer's disease. , 2021, , 79-104.		1

#	Article	IF	CITATIONS
947	Systemic Candesartan Treatment Modulates Behavior, Synaptic Protein Levels, and Neuroinflammation in Female Mice That Express Human APOE4. Frontiers in Neuroscience, 2021, 15, 628403.	2.8	8
948	Apolipoprotein E4 Reduction with Antisense Oligonucleotides Decreases Neurodegeneration in a Tauopathy Model. Annals of Neurology, 2021, 89, 952-966.	5.3	36
949	Neuroinflammation in Alzheimer's disease and beneficial action of luteolin. BioFactors, 2021, 47, 207-217.	5.4	21
950	Diversified transcriptional responses of myeloid and glial cells in spinal cord injury shaped by HDAC3 activity. Science Advances, 2021, 7, .	10.3	35
951	Natural genetic variation determines microglia heterogeneity in wild-derived mouse models of Alzheimer's disease. Cell Reports, 2021, 34, 108739.	6.4	49
952	Distinct amyloid-β and tau-associated microglia profiles in Alzheimer's disease. Acta Neuropathologica, 2021, 141, 681-696.	7.7	167
953	Comparative Analysis Identifies Similarities between the Human and Murine Microglial Sensomes. International Journal of Molecular Sciences, 2021, 22, 1495.	4.1	22
954	Single-cell RNA sequencing reveals functional heterogeneity of glioma-associated brain macrophages. Nature Communications, 2021, 12, 1151.	12.8	187
955	Enrichment of Neurodegenerative Microglia Signature in Brain-Derived Extracellular Vesicles Isolated from Alzheimer's Disease Mouse Models. Journal of Proteome Research, 2021, 20, 1733-1743.	3.7	34
957	Role of Retinal Amyloid- $\hat{l}^2$ in Neurodegenerative Diseases: Overlapping Mechanisms and Emerging Clinical Applications. International Journal of Molecular Sciences, 2021, 22, 2360.	4.1	26
958	APOE immunotherapy reduces cerebral amyloid angiopathy and amyloid plaques while improving cerebrovascular function. Science Translational Medicine, 2021, 13, .	12.4	76
959	Fully defined human pluripotent stem cell-derived microglia and tri-culture system model C3 production in Alzheimer's disease. Nature Neuroscience, 2021, 24, 343-354.	14.8	118
960	TREM2 Mediates Microglial Anti-Inflammatory Activations in Alzheimer's Disease: Lessons Learned from Transcriptomics. Cells, 2021, 10, 321.	4.1	25
961	Western Diet Aggravated Carbon Tetrachlorideâ€Induced Chronic Liver Injury by Disturbing Gut Microbiota and Bile Acid Metabolism. Molecular Nutrition and Food Research, 2021, 65, e2000811.	3.3	10
963	Alzheimer's Risk Gene TREM2 Determines Functional Properties of New Type of Human iPSC-Derived Microglia. Frontiers in Immunology, 2020, 11, 617860.	4.8	32
964	Targeting Microglia-Synapse Interactions in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 2342.	4.1	36
965	Gaucher disease: Basic and translational science needs for more complete therapy and management. Molecular Genetics and Metabolism, 2021, 132, 59-75.	1.1	28
966	Novel ligands and modulators of triggering receptor expressed on myeloid cells receptor family: 2015-2020 updates. Expert Opinion on Therapeutic Patents, 2021, 31, 549-561.	5.0	19

#	Article	IF	CITATIONS
967	Two macrophages, osteoclasts and microglia: from development to pleiotropy. Bone Research, 2021, 9, 11.	11.4	22
968	Multimodal single-cell/nucleus RNA sequencing data analysis uncovers molecular networks between disease-associated microglia and astrocytes with implications for drug repurposing in Alzheimer's disease. Genome Research, 2021, 31, 1900-1912.	5.5	53
970	Microglia control small vessel calcification via TREM2. Science Advances, 2021, 7, .	10.3	22
971	Unique Subtype of Microglia in Degenerative Thalamus After Cortical Stroke. Stroke, 2021, 52, 687-698.	2.0	38
972	Trem-2 Promotes Emergence of Restorative Macrophages and Endothelial Cells During Recovery From Hepatic Tissue Damage. Frontiers in Immunology, 2020, 11, 616044.	4.8	34
973	Diet-dependent regulation of TGFÎ <sup>2</sup> impairs reparative innate immune responses after demyelination. Nature Metabolism, 2021, 3, 211-227.	11.9	41
974	Oxidized phosphatidylcholines found in multiple sclerosis lesions mediate neurodegeneration and are neutralized by microglia. Nature Neuroscience, 2021, 24, 489-503.	14.8	85
975	Mitochondrial Regulation of Microglial Immunometabolism in Alzheimer's Disease. Frontiers in Immunology, 2021, 12, 624538.	4.8	48
977	Defective Lysosomal Lipid Catabolism as a Common Pathogenic Mechanism for Dementia. NeuroMolecular Medicine, 2021, 23, 1-24.	3.4	9
978	Loss of NPC1 enhances phagocytic uptake and impairs lipid trafficking in microglia. Nature Communications, 2021, 12, 1158.	12.8	58
979	Non-cell autonomous astrocyte-mediated neuronal toxicity in prion diseases. Acta Neuropathologica Communications, 2021, 9, 22.	5.2	25
980	Hypothalamic Microglial Heterogeneity and Signature under High Fat Diet–Induced Inflammation. International Journal of Molecular Sciences, 2021, 22, 2256.	4.1	13
981	Critical Molecular and Cellular Contributors to Tau Pathology. Biomedicines, 2021, 9, 190.	3.2	26
982	Identification of resistance pathways and therapeutic targets in relapsed multiple myeloma patients through single-cell sequencing. Nature Medicine, 2021, 27, 491-503.	30.7	118
983	Cell of all trades: oligodendrocyte precursor cells in synaptic, vascular, and immune function. Genes and Development, 2021, 35, 180-198.	5.9	68
984	Insight into the role of phosphatidylserine in complement-mediated synapse loss in Alzheimer's disease. Faculty Reviews, 2021, 10, 19.	3.9	17
985	Diets and Cellular-Derived Microparticles: Weighing a Plausible Link With Cerebral Small Vessel Disease. Frontiers in Cardiovascular Medicine, 2021, 8, 632131.	2.4	6
986	Extracellular microvesicles promote microgliaâ€mediated proâ€inflammatory responses to ethanol. Journal of Neuroscience Research, 2021, 99, 1940-1956.	2.9	31

		EPUKI	
#	Article	IF	CITATIONS
987	Neuroinflammation in Prion Disease. International Journal of Molecular Sciences, 2021, 22, 2196.	4.1	20
988	Iron loading is a prominent feature of activated microglia in Alzheimer's disease patients. Acta Neuropathologica Communications, 2021, 9, 27.	5.2	79
989	The role of innate immune genes in Alzheimer's disease. Current Opinion in Neurology, 2021, 34, 228-236.	3.6	95
990	Transcriptomic Analysis of Mouse Brain After Traumatic Brain Injury Reveals That the Angiotensin Receptor Blocker Candesartan Acts Through Novel Pathways. Frontiers in Neuroscience, 2021, 15, 636259.	2.8	13
993	Microgliaâ€derived galectinâ€3 in neuroinflammation; a bittersweet ligand?. Medicinal Research Reviews, 2021, 41, 2582-2589.	10.5	23
994	Quantitative systems pharmacology in neuroscience: Novel methodologies and technologies. CPT: Pharmacometrics and Systems Pharmacology, 2021, 10, 412-419.	2.5	10
995	Sex Differences in Alzheimer's Disease: Insights From the Multiomics Landscape. Biological Psychiatry, 2022, 91, 61-71.	1.3	76
996	Microglial exosomes: taking messaging to new spheres. Brain Communications, 2021, 3, fcab041.	3.3	0
998	Microglia Biomarkers in Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 3388-3404.	4.0	8
999	Animal and Cellular Models of Alzheimer's Disease: Progress, Promise, and Future Approaches. Neuroscientist, 2022, 28, 572-593.	3.5	11
1000	Integration of Alzheimer's disease genetics and myeloid genomics identifies disease risk regulatory elements and genes. Nature Communications, 2021, 12, 1610.	12.8	118
1001	Multiple sclerosis risk gene Mertk is required for microglial activation and subsequent remyelination. Cell Reports, 2021, 34, 108835.	6.4	61
1002	Microglia Diversity in Healthy and Diseased Brain: Insights from Single-Cell Omics. International Journal of Molecular Sciences, 2021, 22, 3027.	4.1	33
1003	Disentangling the Molecular Pathways of Parkinson's Disease using Multiscale Network Modeling. Trends in Neurosciences, 2021, 44, 182-188.	8.6	3
1004	Single-cell profiling of myeloid cells in glioblastoma across species and disease stage reveals macrophage competition and specialization. Nature Neuroscience, 2021, 24, 595-610.	14.8	288
1005	Effect of memantine, an anti-Alzheimer's drug, on rodent microglial cells in vitro. Scientific Reports, 2021, 11, 6151.	3.3	5
1006	Microglial phagocytosis of neurons in neurodegeneration, and its regulation. Journal of Neurochemistry, 2021, 158, 621-639.	3.9	120
1007	Neuronal Network Excitability in Alzheimer's Disease: The Puzzle of Similar versus Divergent Roles of Amyloid β and Tau. ENeuro, 2021, 8, ENEURO.0418-20.2020.	1.9	46

#	Article	IF	CITATIONS
1008	A RIPK1-regulated inflammatory microglial state in amyotrophic lateral sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
1010	Meningeal inflammation in multiple sclerosis induces phenotypic changes in cortical microglia that differentially associate with neurodegeneration. Acta Neuropathologica, 2021, 141, 881-899.	7.7	47
1011	The CD33 short isoform is a gain-of-function variant that enhances Aβ1–42 phagocytosis in microglia. Molecular Neurodegeneration, 2021, 16, 19.	10.8	46
1013	Dystrophic microglia are associated with neurodegenerative disease and not healthy aging in the human brain. Neurobiology of Aging, 2021, 99, 19-27.	3.1	98
1014	Fetal inflammation induces acute immune tolerance in the neonatal rat hippocampus. Journal of Neuroinflammation, 2021, 18, 69.	7.2	7
1016	Reduction of Amyloid Burden by Proliferated Homeostatic Microglia in Toxoplasma gondii-Infected Alzheimer's Disease Model Mice. International Journal of Molecular Sciences, 2021, 22, 2764.	4.1	5
1017	Unique molecular characteristics and microglial origin of Kv1.3 channel–positive brain myeloid cells in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	25
1019	Astrocytes in Alzheimer's Disease: Pathological Significance and Molecular Pathways. Cells, 2021, 10, 540.	4.1	62
1020	Alignment of single-cell RNA-seq samples without overcorrection using kernel density matching. Genome Research, 2021, 31, 698-712.	5.5	4
1021	Maternal antibodies facilitate Amyloid-β clearance by activating Fc-receptor-Syk-mediated phagocytosis. Communications Biology, 2021, 4, 329.	4.4	8
1022	Alzheimer's Disease Pathogenesis: Role of Autophagy and Mitophagy Focusing in Microglia. International Journal of Molecular Sciences, 2021, 22, 3330.	4.1	71
1023	CSF sTREM2 is elevated in a subset in GRN-related frontotemporal dementia. Neurobiology of Aging, 2021, 103, 158.e1-158.e5.	3.1	8
1024	Single-cell RNA-seq analysis reveals compartment-specific heterogeneity and plasticity of microglia. IScience, 2021, 24, 102186.	4.1	31
1025	Identifying transposable element expression dynamics and heterogeneity during development at the single-cell level with a processing pipeline scTE. Nature Communications, 2021, 12, 1456.	12.8	74
1026	Microglia clean up toxic lipids in multiple sclerosis. Nature Neuroscience, 2021, 24, 451-452.	14.8	4
1027	Accelerating Alzheimer's disease drug discovery and development: what's the way forward?. Expert Opinion on Drug Discovery, 2021, 16, 727-735.	5.0	9
1028	Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. Molecular Neurodegeneration, 2021, 16, 18.	10.8	97
1029	Extracellular signalâ€regulated kinase regulates microglial immune responses in Alzheimer's disease. Journal of Neuroscience Research, 2021, 99, 1704-1721.	2.9	43

#	Article	IF	CITATIONS
1030	Cholesterol, Atherosclerosis, and APOE in Vascular Contributions to Cognitive Impairment and Dementia (VCID): Potential Mechanisms and Therapy. Frontiers in Aging Neuroscience, 2021, 13, 647990.	3.4	31
1031	Persistent repression of tau in the brain using engineered zinc finger protein transcription factors. Science Advances, 2021, 7, .	10.3	31
1032	The Leukotriene Receptor Antagonist Montelukast Attenuates Neuroinflammation and Affects Cognition in Transgenic 5xFAD Mice. International Journal of Molecular Sciences, 2021, 22, 2782.	4.1	15
1033	Microglia in Health and Disease: The Strength to Be Diverse and Reactive. Frontiers in Cellular Neuroscience, 2021, 15, 660523.	3.7	27
1034	Diversity and Function of Glial Cell Types in Multiple Sclerosis. Trends in Immunology, 2021, 42, 228-247.	6.8	41
1035	Expanding cell-to-cell interactions. Science, 2021, 372, 342-343.	12.6	0
1036	Spatiotemporal patterns of gene expression around implanted silicon electrode arrays. Journal of Neural Engineering, 2021, 18, 045005.	3.5	33
1037	Interplay Between Microglia and Alzheimer's Disease—Focus on the Most Relevant Risks: APOE Genotype, Sex and Age. Frontiers in Aging Neuroscience, 2021, 13, 631827.	3.4	23
1038	A flexible microfluidic system for single-cell transcriptome profiling elucidates phased transcriptional regulators of cell cycle. Scientific Reports, 2021, 11, 7918.	3.3	7
1039	Therapeutic B-cell depletion reverses progression of Alzheimer's disease. Nature Communications, 2021, 12, 2185.	12.8	75
1040	Trem2 restrains the enhancement of tau accumulation and neurodegeneration by β-amyloid pathology. Neuron, 2021, 109, 1283-1301.e6.	8.1	137
1041	Recent advances in pre-clinical diagnosis of Alzheimer's disease. Metabolic Brain Disease, 2021, , 1.	2.9	3
1042	TREM2/PLCÎ <sup>3</sup> 2 signalling in immune cells: function, structural insight, and potential therapeutic modulation. Molecular Neurodegeneration, 2021, 16, 22.	10.8	27
1043	CNS-Draining Meningeal Lymphatic Vasculature: Roles, Conundrums and Future Challenges. Frontiers in Pharmacology, 2021, 12, 655052.	3.5	33
1045	The Emerging Role of the Interplay Among Astrocytes, Microglia, and Neurons in the Hippocampus in Health and Disease. Frontiers in Aging Neuroscience, 2021, 13, 651973.	3.4	36
1046	Microglia Specific Drug Targeting Using Natural Products for the Regulation of Redox Imbalance in Neurodegeneration. Frontiers in Pharmacology, 2021, 12, 654489.	3.5	24
1047	Meningeal lymphatics affect microglia responses and anti-AÎ <sup>2</sup> immunotherapy. Nature, 2021, 593, 255-260.	27.8	179
1048	Cytokine signaling convergence regulates the microglial state transition in Alzheimer's disease. Cellular and Molecular Life Sciences, 2021, 78, 4703-4712.	5.4	23

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1049	Precision Nutrition for Alzheimerâ $\in$ <sup>Ms</sup> Prevention in ApoE4 Carriers. Nutrients, 2021, 1	3, 1362.	4.1	36
1050	Cell Type Specific Gene Interaction between Microbiota and Antidepressant Drugs. Inte Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2021, 11, 14-21.	rnational	0.2	0
1053	Transcriptome of microglia reveals a speciesâ€specific expression profile in bovines witl new signature genes. Glia, 2021, 69, 1932-1949.	h conserved and	4.9	3
1054	Application of the ATN classification scheme in a population without dementia: Finding EPAD cohort. Alzheimer's and Dementia, 2021, 17, 1189-1204.	s from the	0.8	44
1055	Cryopreservation of microglia enables single-cell RNA sequencing with minimal effects of disease-related gene expression patterns. IScience, 2021, 24, 102357.	on	4.1	14
1057	Microglia use TAM receptors to detect and engulf amyloid $\hat{\mathbf{I}}^2$ plaques. Nature Immunolc 586-594.	yy, 2021, 22,	14.5	228
1058	TAM-ping down amyloid in Alzheimer's disease. Nature Immunology, 2021, 22, 543	-544.	14.5	2
1059	White matter aging drives microglial diversity. Neuron, 2021, 109, 1100-1117.e10.		8.1	208
1060	Microglial Function and Regulation during Development, Homeostasis and Alzheimerâ€ 2021, 10, 957.	™s Disease. Cells,	4.1	24
1062	Microglia and Central Nervous System–Associated Macrophages—From Origin to D Annual Review of Immunology, 2021, 39, 251-277.	isease Modulation.	21.8	228
1063	Alzheimer's disease. Lancet, The, 2021, 397, 1577-1590.		13.7	1,530
1064	The Unique Phenotype of Lipid-Laden Macrophages. International Journal of Molecular 9 22, 4039.	Sciences, 2021,	4.1	27
1065	Senescent Microglia: The Key to the Ageing Brain?. International Journal of Molecular So 22, 4402.	ciences, 2021,	4.1	30
1067	MECP2 Increases the Pro-Inflammatory Response of Microglial Cells and Phosphorylatic Regulates Neuronal Gene Expression upon Neuroinflammation. Cells, 2021, 10, 860.	on at Serine 423	4.1	8
1068	Hypoxia compromises the mitochondrial metabolism of Alzheimer's disease microg Aging, 2021, 1, 385-399.	lia via HIF1. Nature	11.6	43
1069	Applications of brain organoids in neurodevelopment and neurological diseases. Journa Biomedical Science, 2021, 28, 30.	l of	7.0	44
1070	The Persistent Pain Transcriptome: Identification of Cells and Molecules Activated by Hy Journal of Pain, 2021, 22, 1146-1179.	yperalgesia.	1.4	5
1071	Beyond association: successes and challenges in linking non-coding genetic variation to consequences that modulate Alzheimer's disease risk. Molecular Neurodegeneratio	o functional n, 2021, 16, 27.	10.8	20

#	Article	IF	CITATIONS
1072	The Ins and Outs of Central Nervous System Inflammation—Lessons Learned from Multiple Sclerosis. Annual Review of Immunology, 2021, 39, 199-226.	21.8	30
1073	Myelin Repair: From Animal Models to Humans. Frontiers in Cellular Neuroscience, 2021, 15, 604865.	3.7	21
1074	Microglia Phenotypes Converge in Aging and Neurodegenerative Disease. Frontiers in Neurology, 2021, 12, 660720.	2.4	26
1076	Immunometabolism of Tissue-Resident Macrophages – An Appraisal of the Current Knowledge and Cutting-Edge Methods and Technologies. Frontiers in Immunology, 2021, 12, 665782.	4.8	15
1077	Omics Data and Their Integrative Analysis to Support Stratified Medicine in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2021, 22, 4820.	4.1	19
1078	mSphere of Influence: Discovering New Layers of Complexity in the Immune System. MSphere, 2021, 6, .	2.9	0
1079	Aging-associated deficit in CCR7 is linked to worsened glymphatic function, cognition, neuroinflammation, and β-amyloid pathology. Science Advances, 2021, 7, .	10.3	73
1080	Microglia reprogram metabolic profiles for phenotype and function changes in central nervous system. Neurobiology of Disease, 2021, 152, 105290.	4.4	76
1081	Microglia in Neurodegenerative Events—An Initiator or a Significant Other?. International Journal of Molecular Sciences, 2021, 22, 5818.	4.1	19
1082	Bacille Calmette-Guérin attenuates vascular amyloid pathology and maximizes synaptic preservation in APP/PS1 mice following active amyloid-1² immunotherapy. Neurobiology of Aging, 2021, 101, 94-108.	3.1	8
1083	Single-nucleus transcriptomic landscape of primate hippocampal aging. Protein and Cell, 2021, 12, 695-716.	11.0	49
1084	Evaluation of cerebrospinal fluid glycoprotein NMB (GPNMB) as a potential biomarker for Alzheimer's disease. Alzheimer's Research and Therapy, 2021, 13, 94.	6.2	12
1085	Role of microgliosis, oxidative stress and associated neuroinflammation in the pathogenesis of Parkinson's disease: The therapeutic role of Nrf2 activators. Neurochemistry International, 2021, 145, 105014.	3.8	44
1086	VISTA regulates microglia homeostasis and myelin phagocytosis, and is associated with MS lesion pathology. Acta Neuropathologica Communications, 2021, 9, 91.	5.2	5
1087	Bacterial sepsis increases hippocampal fibrillar amyloid plaque load and neuroinflammation in a mouse model of Alzheimer's disease. Neurobiology of Disease, 2021, 152, 105292.	4.4	21
1089	Role of P2X7 Receptors in Immune Responses During Neurodegeneration. Frontiers in Cellular Neuroscience, 2021, 15, 662935.	3.7	24
1091	Microgliaâ€leucocyte axis in cerebral ischaemia and inflammation in the developing brain. Acta Physiologica, 2021, 233, e13674.	3.8	16
1092	Microglial Lipid Biology in the Hypothalamic Regulation of Metabolic Homeostasis. Frontiers in Endocrinology, 2021, 12, 668396.	3.5	18

#	Article	IF	CITATIONS
1093	Transcriptional signature in microglia associated with $\hat{Al^2}$ plaque phagocytosis. Nature Communications, 2021, 12, 3015.	12.8	142
1094	Targeting Impaired Antimicrobial Immunity in the Brain for the Treatment of Alzheimer's Disease. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 1311-1339.	2.2	13
1095	A nanocleaner specifically penetrates the blood‒brain barrier at lesions to clean toxic proteins and regulate inflammation in Alzheimer's disease. Acta Pharmaceutica Sinica B, 2021, 11, 4032-4044.	12.0	47
1098	Personalizing the Care and Treatment of Alzheimer's Disease: An Overview. Pharmacogenomics and Personalized Medicine, 2021, Volume 14, 631-653.	0.7	3
1099	Isoform-Specific Effects of Apolipoprotein E on Markers of Inflammation and Toxicity in Brain Glia and Neuronal Cells In Vitro. Current Issues in Molecular Biology, 2021, 43, 215-225.	2.4	18
1100	Distinct Features of Brain-Resident Macrophages: Microglia and Non-Parenchymal Brain Macrophages. Molecules and Cells, 2021, 44, 281-291.	2.6	36
1101	Contribution of astrocytes to neuropathology of neurodegenerative diseases. Brain Research, 2021, 1758, 147291.	2.2	62
1102	Insulin Resistance as a Common Link Between Current Alzheimer's Disease Hypotheses. Journal of Alzheimer's Disease, 2021, 82, 71-105.	2.6	21
1103	Integration of Immunome With Disease-Gene Network Reveals Common Cellular Mechanisms Between IMIDs and Drug Repurposing Strategies. Frontiers in Immunology, 2021, 12, 669400.	4.8	5
1104	Dietary cis-9, trans-11-conjugated linoleic acid reduces amyloid β-protein accumulation and upregulates anti-inflammatory cytokines in an Alzheimer's disease mouse model. Scientific Reports, 2021, 11, 9749.	3.3	9
1106	RNA sequence analysis reveals ITGAL/CD11A as a stromal regulator of murine low-grade glioma growth. Neuro-Oncology, 2022, 24, 14-26.	1.2	17
1107	Dynamic Change of Intracellular Metabolism of Microglia Evaluated by Transcriptomics in an Alzheimer''s Mouse Model. Journal of Alzheimer's Disease, 2021, 81, 517-531.	2.6	3
1108	Autophagy and ALS: mechanistic insights and therapeutic implications. Autophagy, 2022, 18, 254-282.	9.1	66
1109	An overview of microglia ontogeny and maturation in the homeostatic and pathological brain. European Journal of Neuroscience, 2021, 53, 3525-3547.	2.6	16
1110	Neuroinflammation: Integrated Nervous Tissue Response through Intercellular Interactions at the "Whole System―Scale. Cells, 2021, 10, 1195.	4.1	19
1111	GPCRomics of Homeostatic and Disease-Associated Human Microglia. Frontiers in Immunology, 2021, 12, 674189.	4.8	19
1112	Synaptic and behavioral effects of chronic stress are linked to dynamic and sex-specific changes in microglia function and astrocyte dystrophy. Neurobiology of Stress, 2021, 14, 100312.	4.0	52
1113	Knowledge gaps in Alzheimer's disease immune biomarker research. Alzheimer's and Dementia, 2021, 17, 2030-2042.	0.8	11

#	Article	IF	CITATIONS
1114	Myeloid Arginase 1 Insufficiency Exacerbates Amyloid-β Associated Neurodegenerative Pathways and Glial Signatures in a Mouse Model of Alzheimer's Disease: A Targeted Transcriptome Analysis. Frontiers in Immunology, 2021, 12, 628156.	4.8	6
1115	Exploiting formyl peptide receptor 2 to promote microglial resolution: a new approach to Alzheimer's disease treatment. FEBS Journal, 2022, 289, 1801-1822.	4.7	6
1116	Human adipose tissue-derived mesenchymal stem cells and their extracellular vesicles modulate lipopolysaccharide activated human microglia. Cell Death Discovery, 2021, 7, 98.	4.7	18
1117	Haploinsufficiency of microglial MyD88 ameliorates Alzheimer's pathology and vascular disorders in APP / PS1 â€transgenic mice. Clia, 2021, 69, 1987-2005.	4.9	6
1118	Non-productive angiogenesis disassembles Aß plaque-associated blood vessels. Nature Communications, 2021, 12, 3098.	12.8	20
1119	Selective removal of astrocytic APOE4 strongly protects against tau-mediated neurodegeneration and decreases synaptic phagocytosis by microglia. Neuron, 2021, 109, 1657-1674.e7.	8.1	151
1120	Microglial Exosomes in Neurodegenerative Disease. Frontiers in Molecular Neuroscience, 2021, 14, 630808.	2.9	41
1121	Large-scale plasma proteomic analysis identifies proteins and pathways associated with dementia risk. Nature Aging, 2021, 1, 473-489.	11.6	69
1122	The effect of dipeptidyl peptidase IV on disease-associated microglia phenotypic transformation in epilepsy. Journal of Neuroinflammation, 2021, 18, 112.	7.2	13
1123	Clial Purinergic Signaling in Neurodegeneration. Frontiers in Neurology, 2021, 12, 654850.	2.4	17
1124	Neuroendocrine, neuroinflammatory and pathological outcomes of chronic stress: A story of microglial remodeling. Neurochemistry International, 2021, 145, 104987.	3.8	44
1125	Metabolic Control of Smoldering Neuroinflammation. Frontiers in Immunology, 2021, 12, 705920.	4.8	19
1126	G-protein coupled receptor, PI3K and Rho signaling pathways regulate the cascades of Tau and amyloid-β in Alzheimer's disease. Molecular Biomedicine, 2021, 2, 17.	4.4	19
1127	Riluzole, a glutamate modulator, slows cerebral glucose metabolism decline in patients with Alzheimer's disease. Brain, 2021, 144, 3742-3755.	7.6	46
1129	Microglia RAGE exacerbates the progression of neurodegeneration within the SOD1G93A murine model of amyotrophic lateral sclerosis in a sex-dependent manner. Journal of Neuroinflammation, 2021, 18, 139.	7.2	16
1131	The relationship of soluble TREM2 to other biomarkers of sporadic Alzheimer's disease. Scientific Reports, 2021, 11, 13050.	3.3	12
1132	The Impact of Obesity on Microglial Function: Immune, Metabolic and Endocrine Perspectives. Cells, 2021, 10, 1584.	4.1	31
1133	Acute <i>Trem2</i> reduction triggers increased microglial phagocytosis, slowing amyloid deposition in mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	40

#	Article	IF	Citations
1135	Analysis of Genetic Variants Associated with Levels of Immune Modulating Proteins for Impact on Alzheimer's Disease Risk Reveal a Potential Role for SIGLEC14. Genes, 2021, 12, 1008.	2.4	9
1136	MOG autoantibodies trigger a tightly-controlled FcR and BTK-driven microglia proliferative response. Brain, 2021, 144, 2361-2374.	7.6	29
1139	Human platelet lysate biotherapy for traumatic brain injury: preclinical assessment. Brain, 2021, 144, 3142-3158.	7.6	21
1140	Systemic GLP-1R agonist treatment reverses mouse glial and neurovascular cell transcriptomic aging signatures in a genome-wide manner. Communications Biology, 2021, 4, 656.	4.4	9
1141	A map of transcriptional heterogeneity and regulatory variation in human microglia. Nature Genetics, 2021, 53, 861-868.	21.4	115
1142	Cholesterol and Alzheimer's Disease; From Risk Genes to Pathological Effects. Frontiers in Aging Neuroscience, 2021, 13, 690372.	3.4	110
1143	The cannabinoid system and microglia in health and disease. Neuropharmacology, 2021, 190, 108555.	4.1	49
1144	Alzheimer's Disease Genetics: A Dampened Microglial Response?. Neuroscientist, 2023, 29, 245-263.	3.5	11
1146	Analysis of single-cell RNA sequencing data based on autoencoders. BMC Bioinformatics, 2021, 22, 309.	2.6	15
1147	Reassessment of Pioglitazone for Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 666958.	2.8	30
1149	Chronic stress and <scp>A</scp> lzheimer's disease: the interplay between the hypothalamic–pituitary–adrenal axis, genetics and microglia. Biological Reviews, 2021, 96, 2209-2228.	10.4	37
1150	Acute systemic inflammation exacerbates neuroinflammation in Alzheimer's disease: ILâ€1β drives amplified responses in primed astrocytes and neuronal network dysfunction. Alzheimer's and Dementia, 2021, 17, 1735-1755.	0.8	87
1151	The CXCL12/CXCR4/ACKR3 Response Axis in Chronic Neurodegenerative Disorders of the Central Nervous System: Therapeutic Target and Biomarker. Cellular and Molecular Neurobiology, 2022, 42, 2147-2156.	3.3	8
1152	CSF1R inhibition rescues tau pathology and neurodegeneration in an A/T/N model with combined AD pathologies, while preserving plaque associated microglia. Acta Neuropathologica Communications, 2021, 9, 108.	5.2	22
1153	Regulation of microglia population dynamics throughout development, health, and disease. Glia, 2021, 69, 2771-2797.	4.9	29
1154	Atg7 deficiency in microglia drives an altered transcriptomic profile associated with an impaired neuroinflammatory response. Molecular Brain, 2021, 14, 87.	2.6	6
1155	CD22 Blockage Restores Age-Related Impairments of Microglia Surveillance Capacity. Frontiers in Immunology, 2021, 12, 684430.	4.8	16
1156	The Impact of Representation on the Optimization of Marker Panels for Single-cell RNA Data. , 2021, ,		5

#	Article	IF	CITATIONS
1157	Mini-Review: Induced pluripotent stem cells and the search for new cell-specific ALS therapeutic targets. Neuroscience Letters, 2021, 755, 135911.	2.1	20
1158	Consumption of Ashtanga Ghrita (clarified cow butter added with herb extracts) improves cognitive dysfunction induced by scopolamine in rats via regulation of acetylcholinesterase activity and oxidative stress. Drug Metabolism and Personalized Therapy, 2021, 36, 337-350.	0.6	2
1159	Equilibrative nucleoside transporter 1 inhibition rescues energy dysfunction and pathology in a model of tauopathy. Acta Neuropathologica Communications, 2021, 9, 112.	5.2	8
1160	Cystatin F acts as a mediator of immune suppression in glioblastoma. Cellular Oncology (Dordrecht), 2021, 44, 1051-1063.	4.4	8
1161	Microglial metabolism is a pivotal factor in sexual dimorphism in Alzheimer's disease. Communications Biology, 2021, 4, 711.	4.4	61
1163	TREM2-mediated activation of microglia breaks link between amyloid and tau. Lancet Neurology, The, 2021, 20, 416-417.	10.2	11
1164	Microglia show differential transcriptomic response to Aβ peptide aggregates ex vivo and in vivo. Life Science Alliance, 2021, 4, e202101108.	2.8	17
1165	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimer's Disease. Current Neuropharmacology, 2021, 19, 908-924.	2.9	29
1167	Immune Response in Neurological Pathology: Emerging Role of Central and Peripheral Immune Crosstalk. Frontiers in Immunology, 2021, 12, 676621.	4.8	37
1168	Expression of Ripk1 and DAM genes correlates with severity and progression of Krabbe disease. Human Molecular Genetics, 2021, 30, 2082-2099.	2.9	5
1169	Replicative senescence dictates the emergence of disease-associated microglia and contributes to AÎ <sup>2</sup> pathology. Cell Reports, 2021, 35, 109228.	6.4	113
1170	Activated microglia mitigate Aβ-associated tau seeding and spreading. Journal of Experimental Medicine, 2021, 218, .	8.5	94
1171	The cellular architecture of the antimicrobial response network in human leprosy granulomas. Nature Immunology, 2021, 22, 839-850.	14.5	60
1172	Heterogeneity of meningeal B cells reveals a lymphopoietic niche at the CNS borders. Science, 2021, 373, .	12.6	218
1175	Boosting scRNA-seq data clustering by cluster-aware feature weighting. BMC Bioinformatics, 2021, 22, 130.	2.6	2
1176	Multi-scale modeling for systematically understanding the key roles of microglia in AD development. Computers in Biology and Medicine, 2021, 133, 104374.	7.0	6
1177	Phospholipids of APOE lipoproteins activate microglia in an isoform-specific manner in preclinical models of Alzheimer's disease. Nature Communications, 2021, 12, 3416.	12.8	57
1178	Integrating single-cell and spatial transcriptomics to elucidate intercellular tissue dynamics. Nature Reviews Genetics, 2021, 22, 627-644.	16.3	423

		CITATION REPORT		
#	Article		IF	CITATIONS
1179	Dysregulation of brain and choroid plexus cell types in severe COVID-19. Nature, 2021	, 595, 565-571.	27.8	406
1180	C9orf72 deficiency promotes microglial-mediated synaptic loss in aging and amyloid a Neuron, 2021, 109, 2275-2291.e8.	ccumulation.	8.1	78
1182	Traumatic brain injury results in unique microglial and astrocyte transcriptomes enrich interferon response. Journal of Neuroinflammation, 2021, 18, 151.	ed for type I	7.2	40
1185	<i>TREM2</i> splicing emerges as crucial aspect to understand TREM2 biology. Journal Biology, 2021, 110, 827-828.	of Leukocyte	3.3	1
1186	Inflammatory pathways in Alzheimer's disease mediated by gut microbiota. Ageing 2021, 68, 101317.	; Research Reviews,	10.9	81
1187	Identifying individuals with high risk of Alzheimer's disease using polygenic risk sco Communications, 2021, 12, 4506.	bres. Nature	12.8	91
1188	The role of P2Y12 in the kinetics of microglial self-renewal and maturation in the adult in vivo. ELife, 2021, 10, .	visual cortex	6.0	19
1189	Acute TBK1/IKK-ε Inhibition Enhances the Generation of Disease-Associated Microglia- Upon Cortical Stab-Wound Injury. Frontiers in Aging Neuroscience, 2021, 13, 684171.	Like Phenotype	3.4	11
1192	Knock-in models related to Alzheimer's disease: synaptic transmission, plaques and microglia. Molecular Neurodegeneration, 2021, 16, 47.	d the role of	10.8	27
1193	Single-nucleus chromatin accessibility and transcriptomic characterization of Alzheime Nature Genetics, 2021, 53, 1143-1155.	er's disease.	21.4	264
1194	Role of TREM2 in Alzheimer's Disease: A Long Road Ahead. Molecular Neurobiolog	y, 2021, 58, 5239-5252.	4.0	15
1195	Accumulation of saposin in dystrophic neurites is linked to impaired lysosomal functio Alzheimer's disease brains. Molecular Neurodegeneration, 2021, 16, 45.	ns in	10.8	26
1196	Selection and structural characterization of anti-TREM2 scFvs that reduce levels of she Structure, 2021, 29, 1241-1252.e5.	d ectodomain.	3.3	9
1197	Diversity of transcriptomic microglial phenotypes in aging and Alzheimer's disease. Alz Dementia, 2022, 18, 360-376.	heimer's and	0.8	46
1198	A protective signal between the brain's supporting cells in Alzheimer's disease 651-652.	. Nature, 2021, 595,	27.8	5
1199	Development of grape polyphenols as multi-targeting strategies for Alzheimer's diseas Neurochemistry International, 2021, 147, 105046.	e.	3.8	16
1200	Astrocytic interleukin-3 programs microglia and limits Alzheimer's disease. Nature,	2021, 595, 701-706.	27.8	157
1201	Functional immune cell–astrocyte interactions. Journal of Experimental Medicine, 20	21, 218, .	8.5	49

#	Article	IF	CITATIONS
1202	Oral Administration of Lipopolysaccharide Prevents Cognitive Impairment in Streptozotocin-induced Diabetic Mice in a Blood Glucose-independent Manner. Anticancer Research, 2021, 41, 4053-4059.	1.1	0
1203	Plaque-associated human microglia accumulate lipid droplets in a chimeric model of Alzheimer's disease. Molecular Neurodegeneration, 2021, 16, 50.	10.8	65
1204	Little cells of the little brain: microglia in cerebellar development and function. Trends in Neurosciences, 2021, 44, 564-578.	8.6	23
1207	Endogenous neural stem cells modulate microglia and protect against demyelination. Stem Cell Reports, 2021, 16, 1792-1804.	4.8	15
1208	Microglial heterogeneity in aging and Alzheimer's disease: Is sex relevant?. Journal of Pharmacological Sciences, 2021, 146, 169-181.	2.5	21
1209	GABA-receptive microglia selectively sculpt developing inhibitory circuits. Cell, 2021, 184, 4048-4063.e32.	28.9	142
1210	The potential roles of m6A modification in regulating the inflammatory response in microglia. Journal of Neuroinflammation, 2021, 18, 149.	7.2	26
1212	The old guard: Age-related changes in microglia and their consequences. Mechanisms of Ageing and Development, 2021, 197, 111512.	4.6	32
1214	Targeting Microglial Disturbances to Protect the Brain From Neurodevelopmental Disorders Associated With Prematurity. Journal of Neuropathology and Experimental Neurology, 2021, 80, 634-648.	1.7	3
1216	Vortices-interaction-induced microstreaming for the pump-free separation of particles. Optics Letters, 2021, 46, 3629.	3.3	4
1217	High-parameter cytometry unmasks microglial cell spatio-temporal response kinetics in severe neuroinflammatory disease. Journal of Neuroinflammation, 2021, 18, 166.	7.2	17
1218	Microglia in Alzheimer's disease at single-cell level. Are there common patterns in humans and mice?. Journal of Experimental Medicine, 2021, 218, .	8.5	147
1220	Decreased antiviral immune response within the central nervous system of aged mice is associated with increased lethality of West Nile virus encephalitis. Aging Cell, 2021, 20, e13412.	6.7	10
1223	Mild Microglial Responses in the Cortex and Perivascular Macrophage Infiltration in Subcortical White Matter in Dogs with Age-Related Dementia Modelling Prodromal Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 82, 575-592.	2.6	3
1224	Treg cell-derived osteopontin promotes microglia-mediated white matter repair after ischemic stroke. Immunity, 2021, 54, 1527-1542.e8.	14.3	163
1225	Hippocampal sub-networks exhibit distinct spatial representation deficits in Alzheimer's disease model mice. Current Biology, 2021, 31, 3292-3302.e6.	3.9	8
1226	Exploiting dynamic enhancer landscapes to decode macrophage and microglia phenotypes in health and disease. Molecular Cell, 2021, 81, 3888-3903.	9.7	29
1227	The acute phase protein lactoferrin is a key feature of Alzheimer's disease and predictor of Aβ burden through induction of APP amyloidogenic processing. Molecular Psychiatry, 2021, 26, 5516-5531.	7.9	29

#	Article	IF	CITATIONS
1229	Surplus Ceramides: An Added Twist in the Tale of TREM2 and Insulin Resistance. Diabetes, 2021, 70, 1926-1928.	0.6	1
1230	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. Frontiers in Cellular Neuroscience, 2021, 15, 718324.	3.7	22
1231	New insights in drug development for Alzheimer's disease based on microglia function. Biomedicine and Pharmacotherapy, 2021, 140, 111703.	5.6	18
1233	Towards PET imaging of the dynamic phenotypes of microglia. Clinical and Experimental Immunology, 2021, 206, 282-300.	2.6	28
1234	Galectin-3 Deletion Reduces LPS and Acute Colitis-Induced Pro-Inflammatory Microglial Activation in the Ventral Mesencephalon. Frontiers in Pharmacology, 2021, 12, 706439.	3.5	6
1235	Beyond Activation: Characterizing Microglial Functional Phenotypes. Cells, 2021, 10, 2236.	4.1	75
1236	Characterizing Macrophage Diversity in Metastasis-Bearing Lungs Reveals a Lipid-Associated Macrophage Subset. Cancer Research, 2021, 81, 5284-5295.	0.9	37
1237	Proteomic landscape of Alzheimer's Disease: novel insights into pathogenesis and biomarker discovery. Molecular Neurodegeneration, 2021, 16, 55.	10.8	95
1240	Non-cell-autonomous pathogenic mechanisms in amyotrophic lateral sclerosis. Trends in Neurosciences, 2021, 44, 658-668.	8.6	59
1241	Segmented Linear Mixed Model Analysis Reveals Association of the APOE ɛ4 Allele with Faster Rate of Alzheimer's Disease Dementia Progression. Journal of Alzheimer's Disease, 2021, 82, 921-937.	2.6	13
1242	Hippocampal glucose uptake as a surrogate of metabolic change of microglia in Alzheimer's disease. Journal of Neuroinflammation, 2021, 18, 190.	7.2	28
1243	Hypothesis: Neuroglia Activation Due to Increased Peripheral and CNS Proinflammatory Cytokines/Chemokines with Neuroinflammation May Result in Long COVID. Neuroglia (Basel,) Tj ETQq1 1 0.7843	51 <b>⊕ı</b> gBT /(	Oværlock 10
1245	Induction of an effective anti-Amyloid-l <sup>2</sup> humoral response in aged mice. Vaccine, 2021, 39, 4817-4829.	3.8	7
1246	Advances in single-cell sequencing: insights from organ transplantation. Military Medical Research, 2021, 8, 45.	3.4	6
1247	Spinal Cord Injury Induces Permanent Reprogramming of Microglia into a Disease-Associated State Which Contributes to Functional Recovery. Journal of Neuroscience, 2021, 41, 8441-8459.	3.6	25
1249	Neuroinflammatory Signaling in the Pathogenesis of Alzheimer's Disease. Current Neuropharmacology, 2022, 20, 126-146.	2.9	28
1250	Single-Cell Omics in Dissecting Immune Microenvironment of Malignant Gliomas—Challenges and Perspectives. Cells, 2021, 10, 2264.	4.1	24
1253	Exploring reported genes of microglia RNA â€sequencing data: Uses and considerations. Glia, 2021, 69, 2933-2946.	4.9	5

#	Article	IF	Citations
1254	TREM2, Driving the Microglial Polarization, Has a TLR4 Sensitivity Profile After Subarachnoid Hemorrhage. Frontiers in Cell and Developmental Biology, 2021, 9, 693342.	3.7	12
1255	Microglial heterogeneity in chronic pain. Brain, Behavior, and Immunity, 2021, 96, 279-289.	4.1	24
1256	Subventricular zone/white matter microglia reconstitute the empty adult microglial niche in a dynamic wave. ELife, 2021, 10, .	6.0	19
1257	Microglia and Stem-Cell Mediated Neuroprotection after Neonatal Hypoxia-Ischemia. Stem Cell Reviews and Reports, 2022, 18, 474-522.	3.8	5
1258	The feeding behaviour of Amyotrophic Lateral Sclerosis mouse models is modulated by the Ca <sup>2+</sup> â€activated K <sub>Ca</sub> 3.1 channels. British Journal of Pharmacology, 2021, 178, 4891-4906.	5.4	8
1259	Microglial transcriptome analysis in the rNLS8 mouse model of TDP-43 proteinopathy reveals discrete expression profiles associated with neurodegenerative progression and recovery. Acta Neuropathologica Communications, 2021, 9, 140.	5.2	25
1260	NEK1-mediated retromer trafficking promotes blood–brain barrier integrity by regulating glucose metabolism and RIPK1 activation. Nature Communications, 2021, 12, 4826.	12.8	20
1261	Microglial Calhm2 regulates neuroinflammation and contributes to Alzheimer's disease pathology. Science Advances, 2021, 7, .	10.3	49
1262	Microglial dyshomeostasis drives perineuronal net and synaptic loss in a CSF1R <sup>+/â^'</sup> mouse model of ALSP, which can be rescued via CSF1R inhibitors. Science Advances, 2021, 7, .	10.3	28
1263	An early proinflammatory transcriptional response to tau pathology is ageâ€specific and foreshadows reduced tau burden. Brain Pathology, 2022, 32, e13018.	4.1	7
1264	Traumatic Brain Injury Induces cGAS Activation and Type I Interferon Signaling in Aged Mice. Frontiers in Immunology, 2021, 12, 710608.	4.8	33
1265	Editorial Focus: White matter-associated microglia (WAMs) represent an important link between aging, white matter disease and microglial activity. GeroScience, 2022, 44, 63-65.	4.6	4
1266	Astrocyte-derived TNF and glutamate critically modulate microglia activation by methamphetamine. Neuropsychopharmacology, 2021, 46, 2358-2370.	5.4	36
1268	Microglia and Perivascular Macrophages Act as Antigen Presenting Cells to Promote CD8 T Cell Infiltration of the Brain. Frontiers in Immunology, 2021, 12, 726421.	4.8	53
1269	Autoantibodies and microglia: boon or bane?. Brain, 2021, 144, 2231-2233.	7.6	0
1270	Microglial TREM2 at the Intersection of Brain Aging and Alzheimer's Disease. Neuroscientist, 2023, 29, 302-316.	3.5	7
1272	Brain Microenvironment Heterogeneity: Potential Value for Brain Tumors. Frontiers in Oncology, 2021, 11, 714428.	2.8	1
1273	Integrative brain transcriptome analysis links complement component 4 and HSPA2 to the APOE ε2 protective effect in Alzheimer disease. Molecular Psychiatry, 2021, 26, 6054-6064.	7.9	27

		EPORT	
# 1274	ARTICLE Specific microglial phagocytic phenotype and decrease of lipid oxidation in white matter areas during aging: Implications of different microenvironments. Neurobiology of Aging, 2021, 105, 280-295.	IF 3.1	Citations
1275	Sirtuins as Potential Therapeutic Targets for Mitigating Neuroinflammation Associated With Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2021, 15, 746631.	3.7	20
1276	Comparative Review of Microglia and Monocytes in CNS Phagocytosis. Cells, 2021, 10, 2555.	4.1	16
1277	Primary Cilia in Glial Cells: An Oasis in the Journey to Overcoming Neurodegenerative Diseases. Frontiers in Neuroscience, 2021, 15, 736888.	2.8	16
1278	Brain Organoids: Studying Human Brain Development and Diseases in a Dish. Stem Cells International, 2021, 2021, 1-16.	2.5	10
1279	Human microglia states are conserved across experimental models and regulate neural stem cell responses in chimeric organoids. Cell Stem Cell, 2021, 28, 2153-2166.e6.	11.1	98
1280	Myeloid cells in retinal and brain degeneration. FEBS Journal, 2021, , .	4.7	12
1281	Neonatal stroke enhances interaction of microglia-derived extracellular vesicles with microglial cells. Neurobiology of Disease, 2021, 157, 105431.	4.4	6
1282	Microglial Phenotypic Transition: Signaling Pathways and Influencing Modulators Involved in Regulation in Central Nervous System Diseases. Frontiers in Cellular Neuroscience, 2021, 15, 736310.	3.7	30
1283	Pro-inflammatory and proliferative microglia drive progression of glioblastoma. Cell Reports, 2021, 36, 109718.	6.4	72
1284	An Air Particulate Pollutant Induces Neuroinflammation and Neurodegeneration in Human Brain Models. Advanced Science, 2021, 8, e2101251.	11.2	55
1285	SFRP1 modulates astrocyteâ€toâ€microglia crosstalk in acute and chronic neuroinflammation. EMBO Reports, 2021, 22, e51696.	4.5	27
1286	Microglial Cannabinoid Type 1 Receptor Regulates Brain Inflammation in a Sex-Specific Manner. Cannabis and Cannabinoid Research, 2021, , .	2.9	18
1287	Tutorial: Guidelines for Single-Cell RT-qPCR. Cells, 2021, 10, 2607.	4.1	8
1288	Macrophages in the cochlea; an immunological link between risk factors and progressive hearing loss. Clia, 2022, 70, 219-238.	4.9	38
1289	Should We Open Fire on Microglia? Depletion Models as Tools to Elucidate Microglial Role in Health and Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 9734.	4.1	9
1291	Effects of microglial depletion and TREM2 deficiency on Aβ plaque burden and neuritic plaque tau pathology in 5XFAD mice. Acta Neuropathologica Communications, 2021, 9, 150.	5.2	19
1293	Glial TDPâ€43 and TDPâ€43 induced glial pathology, focus on neurodegenerative proteinopathy syndromes. Glia, 2022, 70, 239-255.	4.9	14

#	Article	IF	CITATIONS
1294	Glial and myeloid heterogeneity in the brain tumour microenvironment. Nature Reviews Cancer, 2021, 21, 786-802.	28.4	83
1297	CCR2 deficiency alters activation of microglia subsets in traumatic brain injury. Cell Reports, 2021, 36, 109727.	6.4	23
1298	IL-33/ST2 Signaling Regulates Synaptic Plasticity and Homeostasis in the Adult Hippocampal Circuitry. DNA and Cell Biology, 2021, 40, 1125-1130.	1.9	4
1299	Src family kinases (SFKs): critical regulators of microglial homeostatic functions and neurodegeneration in Parkinson's and Alzheimer's diseases. FEBS Journal, 2022, 289, 7760-7775.	4.7	21
1300	Enjoy Carefully: The Multifaceted Role of Vitamin E in Neuro-Nutrition. International Journal of Molecular Sciences, 2021, 22, 10087.	4.1	12
1301	An immune response characterizes early Alzheimer's disease pathology and subjective cognitive impairment in hydrocephalus biopsies. Nature Communications, 2021, 12, 5659.	12.8	6
1302	Immune modulations and immunotherapies for Alzheimer's disease: a comprehensive review. Reviews in the Neurosciences, 2022, 33, 365-381.	2.9	5
1303	PET Imaging of Neuroinflammation in Alzheimer's Disease. Frontiers in Immunology, 2021, 12, 739130.	4.8	58
1304	The role of the immune system in Alzheimer's disease. Ageing Research Reviews, 2021, 70, 101409.	10.9	57
1305	Oxidative stress, the immune response, synaptic plasticity, and cognition in transgenic models of Alzheimer disease. NeurologÃa (English Edition), 2022, 37, 682-690.	0.4	9
1306	Current tools to interrogate microglial biology. Neuron, 2021, 109, 2805-2819.	8.1	30
1307	<i>APOE3</i> -Jacksonville (V236E) variant reduces self-aggregation and risk of dementia. Science Translational Medicine, 2021, 13, eabc9375.	12.4	37
1308	Inflammatory Cascade in Alzheimer's Disease Pathogenesis: A Review of Experimental Findings. Cells, 2021, 10, 2581.	4.1	42
1309	Innate Immune System Activation and Neuroinflammation in Down Syndrome and Neurodegeneration: Therapeutic Targets or Partners?. Frontiers in Aging Neuroscience, 2021, 13, 718426.	3.4	17
1310	Adult-onset CNS myelin sulfatide deficiency is sufficient to cause Alzheimer's disease-like neuroinflammation and cognitive impairment. Molecular Neurodegeneration, 2021, 16, 64.	10.8	52
1311	Optimizing AAV2/6 microglial targeting identified enhanced efficiency in the photoreceptor degenerative environment. Molecular Therapy - Methods and Clinical Development, 2021, 23, 210-224.	4.1	2
1312	Capillary-associated microglia regulate vascular structure and function through PANX1-P2RY12 coupling in mice. Nature Communications, 2021, 12, 5289.	12.8	131
1314	The Effect of Systemic Inflammation on Cognitive Function and Neurodegenerative Disease. , 2021, , 164-189.		0

# 1315	ARTICLE Plasticity of microglia. Biological Reviews, 2022, 97, 217-250.	IF 10.4	CITATIONS
1316	Absence of Apolipoprotein E is associated with exacerbation of prion pathology and promotes microglial neurodegenerative phenotype. Acta Neuropathologica Communications, 2021, 9, 157.	5.2	6
1317	Microglia at the Centre of Brain Research: Accomplishments and Challenges for the Future. Neurochemical Research, 2022, 47, 218-233.	3.3	3
1319	A lymphocyte–microglia–astrocyte axis in chronic active multiple sclerosis. Nature, 2021, 597, 709-714.	27.8	307
1320	Microglia phagocytose oligodendrocyte progenitor cells and synapses during early postnatal development: implications for white versus gray matter maturation. FEBS Journal, 2022, 289, 2110-2127.	4.7	16
1321	Computational Interspecies Translation Between Alzheimer's Disease Mouse Models and Human Subjects Identifies Innate Immune Complement, TYROBP, and TAM Receptor Agonist Signatures, Distinct From Influences of Aging. Frontiers in Neuroscience, 2021, 15, 727784.	2.8	4
1322	Potential neurotoxic activity of diverse molecules released by microglia. Neurochemistry International, 2021, 148, 105117.	3.8	21
1323	Inhibition of microglial l²-glucocerebrosidase hampers the microglia-mediated antioxidant and protective response in neurons. Journal of Neuroinflammation, 2021, 18, 220.	7.2	11
1324	Potentiation of amyloid beta phagocytosis and amelioration of synaptic dysfunction upon FAAH deletion in a mouse model of Alzheimer's disease. Journal of Neuroinflammation, 2021, 18, 223.	7.2	11
1325	Microglia, TREM2, and Therapeutic Methods of Alzheimerâ $\in$ $^{\mathrm{Ms}}$ s Disease. , 0, , .		0
1326	Prion protein and prion disease at a glance. Journal of Cell Science, 2021, 134, .	2.0	8
1328	Random forest-integrated analysis in AD and LATE brain transcriptome-wide data to identify disease-specific gene expression. PLoS ONE, 2021, 16, e0256648.	2.5	5
1329	Roles of microglia in Alzheimer's disease and impact of new findings on microglial heterogeneity as a target for therapeutic intervention. Biochemical Pharmacology, 2021, 192, 114754.	4.4	24
1330	Emerging roles of Dectin-1 in noninfectious settings and in the CNS. Trends in Immunology, 2021, 42, 891-903.	6.8	23
1331	(â^')-Syringaresinol suppressed LPS-induced microglia activation via downregulation of NF-κB p65 signaling and interaction with ERβ. International Immunopharmacology, 2021, 99, 107986.	3.8	14
1332	Microglial functional alteration and increased diversity in the challenged brain: Insights into novel targets for intervention. Brain, Behavior, & Immunity - Health, 2021, 16, 100301.	2.5	15
1334	The microglial lysosomal system in Alzheimer's disease: Guardian against proteinopathy. Ageing Research Reviews, 2021, 71, 101444.	10.9	16
1335	Modulation of Neuroinflammation by Low-Dose Radiation Therapy in an Animal Model of Alzheimer's Disease. International Journal of Radiation Oncology Biology Physics, 2021, 111, 658-670.	0.8	17

ARTICLE IF CITATIONS # The emerging tale of microglia in psychiatric disorders. Neuroscience and Biobehavioral Reviews, 2021, 1336 6.1 53 131, 1-29. Microglial †fat shaming' in development and disease. Current Opinion in Cell Biology, 2021, 73, 105-109. 5.4 Nuclei isolation of multiple brain cell types for omics interrogation. Nature Protocols, 2021, 16, 1338 12.0 28 1629-1646. Fluid Biomarkers of Frontotemporal Lobar Degeneration. Advances in Experimental Medicine and Biology, 2021, 1281, 123-139. Microglial Turnover in Ageing-Related Neurodegeneration: Therapeutic Avenue to Intervene in Disease 1340 4.1 23 Progression. Cells, 2021, 10, 150. Combinatorial analyses reveal cellular composition changes have different impacts on transcriptomic changes of cell type specific genes in Alzheimer's Disease. Scientific Reports, 2021, 11, 353. 3.3 Small molecule therapeutics for neuroinflammation-mediated neurodegenerative disorders. RSC 1342 3.9 10 Medicinal Chemistry, 2021, 12, 871-886. Sex Differences in Neurodegeneration: The Role of the Immune System in Humans. Biological 1343 1.3 Psychiatry, 2022, 91, 72-80. Prior activation state shapes the microglia response to antihuman TREM2 in a mouse model of 1344 Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 7.1 66 2021, 118, . MEK1/2 activity modulates TREM2 cell surface recruitment. Journal of Biological Chemistry, 2021, 296, 1345 3.4 100218. The gut–liver–brain axis: dietary and therapeutic interventions. , 2021, , 205-236. 1346 2 Redefining Microglial Identity in Health and Disease at Single-Cell Resolution. Trends in Molecular Medicine, 2021, 27, 47-59. 1347 Elucidating the cellular dynamics of the brain with single-cell RNA sequencing. RNA Biology, 2021, 18, 1348 3.1 14 1063-1084. Macrophage reprogramming for therapy. Immunology, 2021, 163, 128-144. 1349 4.4 Early-Onset Alzheimer's Disease: What Is Missing in Research?. Current Neurology and Neuroscience 1350 4.2 88 Reports, 2021, 21, 4. Alterations in Chromatin Structure and Function in the Microglia. Frontiers in Cell and Developmental Biology, 2020, 8, 626541. Proteomics analysis of a human brain sample from a mucolipidosis type IV patient reveals 1352 2.7 11 pathophysiological pathways. Orphanet Journal of Rare Diseases, 2021, 16, 39. Distinct microglial response against Alzheimer's amyloid and tau pathologies characterized by P2Y12 3.3 receptor. Brain Communications, 2021, 3, fcab011.
	СІТАТ	CITATION REPORT	
# 1354	ARTICLE Gut-licensed IFNÎ <sup>3</sup> + NK cells drive LAMP1+TRAIL+ anti-inflammatory astrocytes. Nature, 2021, 590, 473-43	IF 79. 27.8	Citations
1355	Changing Functional Signatures of Microglia along the Axis of Brain Aging. International Journal of Molecular Sciences, 2021, 22, 1091.	4.1	18
1356	A cortical immune network map identifies distinct microglial transcriptional programs associated with β-amyloid and Tau pathologies. Translational Psychiatry, 2021, 11, 50.	4.8	19
1357	Origins and diversity of macrophages in health and disease. Clinical and Translational Immunology, 2020, 9, e1222.	3.8	40
1358	Systems Biology Methods for Alzheimer's Disease Research Toward Molecular Signatures, Subtypes, and Stages and Precision Medicine: Application in Cohort Studies and Trials. Methods in Molecular Biology, 2018, 1750, 31-66.	0.9	36
1359	Microglia Reactivity: Heterogeneous Pathological Phenotypes. Methods in Molecular Biology, 2019, 2034, 41-55.	0.9	12
1360	Physiology of Microglia. Advances in Experimental Medicine and Biology, 2019, 1175, 129-148.	1.6	45
1361	Selective inhibition of mitochondrial respiratory complexes controls the transition of microglia into a neurotoxic phenotype in situ. Brain, Behavior, and Immunity, 2020, 88, 802-814.	4.1	36
1362	Transcriptional Signatures of Tau and Amyloid Neuropathology. Cell Reports, 2020, 30, 2040-2054.e5.	6.4	45
1363	QUAKING Regulates Microexon Alternative Splicing of the Rho GTPase Pathway and Controls Microglia Homeostasis. Cell Reports, 2020, 33, 108560.	6.4	19
1364	Peripheral nerve resident macrophages share tissue-specific programming and features of activated microglia. Nature Communications, 2020, 11, 2552.	12.8	84
1432	Microglia modulate neurodegeneration in Alzheimer's and Parkinson's diseases. Science, 2020, 3 66-69.	70, 12.6	220
1434	Geniposide Enhances Macrophage Autophagy through Downregulation of TREM2 in Atherosclerosis. The American Journal of Chinese Medicine, 2020, 48, 1821-1840.	3.8	17
1435	Pathobiological Subtypes of Alzheimer Disease. Dementia and Geriatric Cognitive Disorders, 2020, 49, 321-333.	1.5	33
1436	Concurrent cell type–specific isolation and profiling of mouse brains in inflammation and Alzheimer's disease. JCI Insight, 2018, 3, .	5.0	39
1437	Aged marrow macrophages expand platelet-biased hematopoietic stem cells via interleukin-1B. JCI Insight, 2019, 4, .	5.0	82
1438	Type I interferon response drives neuroinflammation and synapse loss in Alzheimer disease. Journal of Clinical Investigation, 2020, 130, 1912-1930.	8.2	268
1439	Impact of TREM2R47H variant on tau pathology–induced gliosis and neurodegeneration. Journal of Clinical Investigation, 2020, 130, 4954-4968.	8.2	139

#	Article	IF	CITATIONS
1440	CNS myeloid cells critically regulate heat hyperalgesia. Journal of Clinical Investigation, 2018, 128, 2774-2786.	8.2	14
1441	Shedding Light on the Dark Side of the Microglia. ASN Neuro, 2020, 12, 175909142092533.	2.7	39
1442	Transitions in metabolic and immune systems from pre-menopause to post-menopause: implications for age-associated neurodegenerative diseases. F1000Research, 2020, 9, 68.	1.6	29
1443	Recent advances in understanding amyotrophic lateral sclerosis and emerging therapies. Faculty Reviews, 2020, 9, 12.	3.9	17
1444	Tensor decomposition of stimulated monocyte and macrophage gene expression profiles identifies neurodegenerative disease-specific trans-eQTLs. PLoS Genetics, 2020, 16, e1008549.	3.5	16
1445	Disease Progression-Dependent Expression of CD200R1 and CX3CR1 in Mouse Models of Parkinson's Disease. , 2020, 11, 254.		25
1446	ApoE4-Induced Cholesterol Dysregulation and Its Brain Cell Type-Specific Implications in the Pathogenesis of Alzheimer's Disease. Molecules and Cells, 2019, 42, 739-746.	2.6	54
1447	Donor-Specific Transcriptomic Analysis of Alzheimer's Disease-Associated Hypometabolism Highlights a Unique Donor, Ribosomal Proteins and Microglia. ENeuro, 2020, 7, ENEURO.0255-20.2020.	1.9	5
1448	Tmem119-EGFP and Tmem119-CreERT2 Transgenic Mice for Labeling and Manipulating Microglia. ENeuro, 2019, 6, ENEURO.0448-18.2019.	1.9	153
1449	γâ€Secretase cleavage of the Alzheimer risk factor <scp>TREM</scp> 2 is determined by its intrinsic structural dynamics. EMBO Journal, 2020, 39, e104247.	7.8	16
1450	Loss of <scp>TMEM</scp> 106B and <scp>PGRN</scp> leads to severe lysosomal abnormalities and neurodegeneration in mice. EMBO Reports, 2020, 21, e50219.	4.5	52
1451	Phosphoproteomics identifies microglial Siglecâ€F inflammatory response during neurodegeneration. Molecular Systems Biology, 2020, 16, e9819.	7.2	20
1452	Aβ Plaques. Free Neuropathology, 2020, 1, .	3.0	21
1453	Genomic deletion of TLR2 induces aggravated white matter damage and deteriorated neurobehavioral functions in mouse models of Alzheimer's disease. Aging, 2019, 11, 7257-7273.	3.1	24
1454	Metabolic Reprogramming during Microglia Activation. Immunometabolism, 2019, 1, .	1.6	18
1455	Potential Use of Nanomedicine for the Anti-inflammatory Treatment of Neurodegenerative Diseases. Current Pharmaceutical Design, 2018, 24, 1589-1616.	1.9	21
1456	Single-cell RNA Sequencing in Immunology. Current Genomics, 2020, 21, 564-575.	1.6	14
1457	Role of TREM2 in Alzheimer's Disease and its Consequences on β- Amyloid, Tau and Neurofibrillary Tangles. Current Alzheimer Research, 2020, 16, 1216-1229.	1.4	28

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1458	Microglia in Alzheimer's Disease. Current Alzheimer Research, 2020, 17, 29-43.		1.4	13
1459	The Ambiguous Role of Microglia in Aî² Toxicity: Chances for Therapeutic Intervention. Neuropharmacology, 2020, 18, 446-455.	Current	2.9	16
1460	Study on the mechanism of curcumin to reduce the inflammatory response of tempora Alzheimer's disease by regulating miR-146a. Minerva Medica, 2022, 113, .	al lobe in	0.9	10
1461	<i>Cx3cr1-</i> deficient microglia exhibit a premature aging transcriptome. Life Scienc 2, e201900453.	e Alliance, 2019,	2.8	64
1462	Healthy Brain Aging Modifies Microglial Calcium Signaling In Vivo. International Journa Molecular Sciences, 2019, 20, 589.	l of	4.1	48
1463	Granulocyte-macrophage colony-stimulating factor protects mice against hepatocellul by ameliorating intestinal dysbiosis and attenuating inflammation. World Journal of Gastroenterology, 2020, 26, 5420-5436.	ar carcinoma	3.3	11
1464	Headmasters: Microglial regulation of learning and memory in health and disease. AIM Science, 2018, 5, 63-89.	S Molecular	0.5	5
1465	Alzheimer's disease, neural stem cells and neurogenesis: cellular phase at single-ce Regeneration Research, 2020, 15, 824.	ll level. Neural	3.0	29
1466	Shifting equilibriums in Alzheimer's disease: the complex roles of microglia in neuro neuronal survival and neurogenesis. Neural Regeneration Research, 2020, 15, 1208.	oinflammation,	3.0	49
1467	Brain tumors: Cancer stem-like cells interact with tumor microenvironment. World Jour Cells, 2020, 12, 1439-1454.	rnal of Stem	2.8	3
1468	Microglial SIRPα regulates the emergence of CD11c+ microglia and demyelination dar matter. ELife, 2019, 8, .	nage in white	6.0	39
1469	Single-cell proteomics reveals changes in expression during hair-cell development. ELife	e, 2019, 8, .	6.0	80
1470	Fibrillar AÎ <sup>2</sup> triggers microglial proteome alterations and dysfunction in Alzheimer mou ELife, 2020, 9, .	se models.	6.0	80
1471	Differential accumulation of storage bodies with aging defines discrete subsets of mice healthy brain. ELife, 2020, 9, .	roglia in the	6.0	49
1472	Microglia TREM2R47H Alzheimer-linked variant enhances excitatory transmission and i increased TNF-α levels. ELife, 2020, 9, .	reduces LTP via	6.0	33
1473	Ribosomal profiling during prion disease uncovers progressive translational derangement not in neurons. ELife, 2020, 9, .	ent in glia but	6.0	29
1474	The development and physiological and pathophysiological functions of resident macro glial cells. Advances in Immunology, 2021, 151, 1-47.	ophages and	2.2	2
1475	Interleukin-4 and interleukin-13 induce different metabolic profiles in microglia and ma relate with divergent outcomes after spinal cord injury. Theranostics, 2021, 11, 9805-9	crophages that 9820.	10.0	21

#	Article	IF	Citations
1476	Pathologic sequelae of vascular cognitive impairment and dementia sheds light on potential targets for intervention. Cerebral Circulation - Cognition and Behavior, 2021, 2, 100030.	0.9	3
1477	Microglia in Neuroinflammation and Neurodegeneration: From Understanding to Therapy. Frontiers in Neuroscience, 2021, 15, 742065.	2.8	171
1478	Engineering extracellular vesicles for Alzheimer's disease: An emerging cellâ€free approach for earlier diagnosis and treatment. WIREs Mechanisms of Disease, 2022, 14, e1541.	3.3	3
1479	Expression of Exosome Biogenesis Genes Is Differentially Altered by Aging in the Mouse and in the Human Brain During Alzheimer's Disease. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 659-663.	3.6	7
1481	Microglia Regulate Neuronal Circuits in Homeostatic and High-Fat Diet-Induced Inflammatory Conditions. Frontiers in Cellular Neuroscience, 2021, 15, 722028.	3.7	17
1482	Microglia and CD206+ border-associated mouse macrophages maintain their embryonic origin during Alzheimer's disease. ELife, 2021, 10, .	6.0	16
1483	Spinal Neuronal GRK2 Contributes to Preventive Effect by Electroacupuncture on Cisplatin-Induced Peripheral Neuropathy in Mice. Anesthesia and Analgesia, 2022, 134, 204-215.	2.2	12
1484	Resolving the intertwining of inflammation and fibrosis in human heart failure at single-cell level. Basic Research in Cardiology, 2021, 116, 55.	5.9	87
1485	Regulatory T-cells inhibit microglia-induced pain hypersensitivity in female mice. ELife, 2021, 10, .	6.0	41
1486	The Role of Microglia in the Development of Neurodegenerative Diseases. Biomedicines, 2021, 9, 1449.	3.2	18
1489	Evaluating Effects of Glatiramer Acetate Treatment on Amyloid Deposition and Tau Phosphorylation in the 3xTg Mouse Model of Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 758677.	2.8	9
1490	Identification and drug-induced reversion of molecular signatures of Alzheimer's disease onset and progression in AppNL-G-F, AppNL-F, and 3xTg-AD mouse models. Genome Medicine, 2021, 13, 168.	8.2	7
1491	Old Stars and New Players in the Brain Tumor Microenvironment. Frontiers in Cellular Neuroscience, 2021, 15, 709917.	3.7	11
1493	IL-33-induced metabolic reprogramming controls the differentiation of alternatively activated macrophages and the resolution of inflammation. Immunity, 2021, 54, 2531-2546.e5.	14.3	67
1494	Microglial activation states drive glucose uptake and FDC-PET alterations in neurodegenerative diseases. Science Translational Medicine, 2021, 13, eabe5640.	12.4	108
1495	Analysis of Shared Genetic Regulatory Networks for Alzheimer's Disease and Epilepsy. BioMed Research International, 2021, 2021, 1-8	1.9	4
1496	Ϊ‰-3 DPA Protected Neurons from Neuroinflammation by Balancing Microglia M1/M2 Polarizations through Inhibiting NF-κB/MAPK p38 Signaling and Activating Neuron-BDNF-PI3K/AKT Pathways. Marine Drugs, 2021, 19, 587.	4.6	40
1497	Sphingosine-1-phosphate, a novel TREM2 ligand, promotes microglial phagocytosis to protect against ischemic brain injury. Acta Pharmaceutica Sinica B, 2022, 12, 1885-1898.	12.0	21

#	Article	IF	CITATIONS
1498	Microgliaâ€specific <scp>ApoE</scp> knockâ€out does not alter Alzheimer's disease plaque pathogenesis or gene expression. Glia, 2022, 70, 287-302.	4.9	20
1499	Phagocytic microglia in development: Are they what they eat?. Brain, Behavior, & Immunity - Health, 2021, 18, 100373.	2.5	9
1500	Differential Stimulation of Pluripotent Stem Cell-Derived Human Microglia Leads to Exosomal Proteomic Changes Affecting Neurons. Cells, 2021, 10, 2866.	4.1	6
1501	Commensal microbiota divergently affect myeloid subsets in the mammalian central nervous system during homeostasis and disease. EMBO Journal, 2021, 40, e108605.	7.8	12
1502	Microglia: Immune and non-immune functions. Immunity, 2021, 54, 2194-2208.	14.3	191
1503	p38 MAP Kinase Signaling in Microglia Plays a Sex-Specific Protective Role in CNS Autoimmunity and Regulates Microglial Transcriptional States. Frontiers in Immunology, 2021, 12, 715311.	4.8	10
1504	TSPO PET Imaging as a Biomarker of Neuroinflammation in Neurodegenerative Disorders. Neuromethods, 2022, , 407-427.	0.3	2
1505	Activation of and in. Neuromethods, 2022, , 11-38.	0.3	0
1507	CD300a blockade enhances efferocytosis by infiltrating myeloid cells and ameliorates neuronal deficit after ischemic stroke. Science Immunology, 2021, 6, eabe7915.	11.9	15
1508	Neuroimmune multi-hit perspective of coronaviral infection. Journal of Neuroinflammation, 2021, 18, 231.	7.2	9
1509	MicroRNAs as Potential Orchestrators of Alzheimer's Disease-Related Pathologies: Insights on Current Status and Future Possibilities. Frontiers in Aging Neuroscience, 2021, 13, 743573.	3.4	24
1510	Analyzing microglial phenotypes across neuropathologies: a practical guide. Acta Neuropathologica, 2021, 142, 923-936.	7.7	65
1511	Early developing B cells undergo negative selection by central nervous system-specific antigens in the meninges. Immunity, 2021, 54, 2784-2794.e6.	14.3	54
1512	IKK2/NF-κB Activation in Astrocytes Reduces amyloid β Deposition: A Process Associated with Specific Microglia Polarization. Cells, 2021, 10, 2669.	4.1	13
1513	Effect of APOE alleles on the glial transcriptome in normal aging and Alzheimer's disease. Nature Aging, 2021, 1, 919-931.	11.6	13
1514	Heterogeneity and Molecular Markers for CNS Glial Cells Revealed by Single-Cell Transcriptomics. Cellular and Molecular Neurobiology, 2022, 42, 2629-2642.	3.3	18
1515	Trafficking of Mononuclear Phagocytes in Healthy Arteries and Atherosclerosis. Frontiers in Immunology, 2021, 12, 718432.	4.8	8
1516	Identification of distinct and ageâ€dependent p16 <sup>High</sup> microglia subtypes. Aging Cell, 2021, 20, e13450.	6.7	18

#	Article	IF	CITATIONS
1517	Cell-type modeling in spatial transcriptomics data elucidates spatially variable colocalization and communication between cell-types in mouse brain. Cell Systems, 2022, 13, 58-70.e5.	6.2	14
1519	Uncovering Disease Mechanisms in a Novel Mouse Model Expressing Humanized APOEε4 and Trem2*R47H. Frontiers in Aging Neuroscience, 2021, 13, 735524.	3.4	29
1520	The Clinical and Neuropathological Features of Sporadic (Late-Onset) and Genetic Forms of Alzheimer's Disease. Journal of Clinical Medicine, 2021, 10, 4582.	2.4	9
1521	Microglial transcription profiles in mouse and human are driven by APOE4 and sex. IScience, 2021, 24, 103238.	4.1	9
1522	Interdependence of neural network dysfunction and microglial alterations in Alzheimer's disease-related models. IScience, 2021, 24, 103245.	4.1	11
1523	Systems biology approaches to unravel the molecular and genetic architecture of Alzheimer's disease and related tauopathies. Neurobiology of Disease, 2021, 160, 105530.	4.4	3
1524	A Reversible Region-Specific Innate Immune Fingerprint in the Brain Induced by Chronic Peripheral Inflammation. SSRN Electronic Journal, 0, , .	0.4	1
1541	Magnetofection as a new tool to study microglia biology. Neural Regeneration Research, 2019, 14, 767.	3.0	1
1543	Transcriptional Signatures of Progressive Neuropathology in Transgenic Models of Tau and Amyloid Pathology. SSRN Electronic Journal, 0, , .	0.4	0
1544	Depicting the Landscape of Adipose Tissue-Specific Macrophages and Their Immunometabolic Signatures during Obesity. Immunometabolism, 2020, 2, .	1.6	4
1545	Identification of aÂUnique Subretinal Microglia Type in Retinal Degeneration Using Single Cell RNA-Seq. Advances in Experimental Medicine and Biology, 2019, 1185, 181-186.	1.6	7
1548	3D profiling of amyloid plaque-associated microglia and neuronal damage on confocal fluorescence images to aid drug discovery in Alzheimer's disease. , 2019, , .		1
1550	Is Alzheimer disease a failure of mobilizing immune defense? Lessons from cognitively fit oldest-old. Dialogues in Clinical Neuroscience, 2019, 21, 7-19.	3.7	6
1562	Drug development against dementia based on understanding of molecular and cellular pathogenesis. Drug Delivery System, 2019, 34, 346-351.	0.0	0
1567	TREM2-Positive Lipid-Associated Macrophages (LAMs) Control White Adipose Tissue Remodeling and Metabolic Adaptation in Obesity. Immunometabolism, 2020, 2, .	1.6	2
1570	Anti‑inflammatory role of Prunus persica L. Batsch methanol extract on lipopolysaccharide‑stimulated glial cells. Molecular Medicine Reports, 2020, 21, 2030-2040.	2.4	4
1578	Flow Cytometry Approach to Characterize Phagocytic Properties of Acutely-Isolated Adult Microglia and Brain Macrophages In Vitro. Journal of Visualized Experiments, 2020, , .	0.3	5
1586	Inflamma-MicroRNAs in Alzheimer's Disease: From Disease Pathogenesis to Therapeutic Potentials. Frontiers in Cellular Neuroscience, 2021, 15, 785433.	3.7	23

#	Article	IF	CITATIONS
1587	Microglia and Astrocytes in Alzheimer's Disease in the Context of the Aberrant Copper Homeostasis Hypothesis. Biomolecules, 2021, 11, 1598.	4.0	12
1588	Age-related immune alterations and cerebrovascular inflammation. Molecular Psychiatry, 2022, 27, 803-818.	7.9	55
1589	Glutamate and GABA in Microglia-Neuron Cross-Talk in Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 11677.	4.1	54
1590	Monocytes in central nervous system remyelination. Glia, 2022, 70, 797-807.	4.9	5
1592	Genomics of Alzheimer's disease implicates the innate and adaptive immune systems. Cellular and Molecular Life Sciences, 2021, 78, 7397-7426.	5.4	32
1593	Altered substrate metabolism in neurodegenerative disease: new insights from metabolic imaging. Journal of Neuroinflammation, 2021, 18, 248.	7.2	20
1594	Single-Cell Transcriptomics. , 2022, , 585-606.		0
1595	Genome-wide association study and functional validation implicates JADE1 in tauopathy. Acta Neuropathologica, 2022, 143, 33-53.	7.7	19
1596	Insights into Tâ€cell dysfunction in Alzheimer's disease. Aging Cell, 2021, 20, e13511.	6.7	39
1597	Involvement of IL-10R/STAT3 pathway in amyloid β clearance by microlgia in Alzheimer's disease. International Immunopharmacology, 2021, 101, 108263.	3.8	4
1598	Inflammation and insulin resistance in Alzheimer's disease. , 2020, , 389-405.		1
1603	Single-cell systems analysis: decision geometry in outliers. Bioinformatics, 2021, 37, 1747-1755.	4.1	Ο
1604	Epimedii Folium and Curculiginis Rhizoma ameliorate lipopolysaccharides-induced cognitive impairment by regulating the TREM2 signaling pathway. Journal of Ethnopharmacology, 2022, 284, 114766.	4.1	7
1605	Secretases in Alzheimer's disease: Novel insights into proteolysis of APP and TREM2. Current Opinion in Neurobiology, 2022, 72, 101-110.	4.2	28
1606	The adaptive aging brain. Current Opinion in Neurobiology, 2022, 72, 91-100.	4.2	29
1607	Sexual Steroids and their Receptors Affect Microglia-Mediated Neuroinflammation in Neurodegenerative Diseases. Biomedical Journal of Scientific & Technical Research, 2020, 25, .	0.1	1
1609	Embrace the fat when getting old. Aging, 2019, 11, 8730-8732.	3.1	3
1611	Neuroinflammation in Alzheimer's disease continuum. Neurological Sciences and Neurophysiology, 2020, 37, 155.	0.3	1

#	Article	IF	CITATIONS
1616	Advances in Non-Coding RNA Sequencing. Non-coding RNA, 2021, 7, 70.	2.6	14
1617	Rhynchophylline Administration Ameliorates Amyloid-β Pathology and Inflammation in an Alzheimer's Disease Transgenic Mouse Model. ACS Chemical Neuroscience, 2021, 12, 4249-4256.	3.5	11
1619	Microglia and its Genetics in Alzheimer's Disease. Current Alzheimer Research, 2021, 18, 676-688.	1.4	10
1620	Deletion of <i>Abi3</i> gene locus exacerbates neuropathological features of Alzheimer's disease in a mouse model of Al² amyloidosis. Science Advances, 2021, 7, eabe3954.	10.3	26
1621	Single-cell Transcriptional Changes in Neurodegenerative Diseases. Neuroscience, 2021, 479, 192-205.	2.3	11
1622	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. Cell Metabolism, 2021, 33, 2260-2276.e7.	16.2	173
1623	Characterization of Alzheimer's Disease-Associated Excitatory Neurons via Single-Cell RNA Sequencing Analysis. Frontiers in Aging Neuroscience, 2021, 13, 742176.	3.4	7
1624	The semantics of microglia activation: neuroinflammation, homeostasis, and stress. Journal of Neuroinflammation, 2021, 18, 258.	7.2	198
1635	Neurofilament degradation is involved in laparotomy-induced cognitive dysfunction in aged rats. Aging, 2020, 12, 25643-25657.	3.1	3
1636	Basics of immunogenetics: application and future perspectives. , 2022, , 41-62.		0
1637	Local and remote interactions between macrophages and microglia in neurological conditions. Current Opinion in Immunology, 2022, 74, 118-124.	5.5	8
1638	Harnessing cerebral organoids for Alzheimer's disease research. Current Opinion in Neurobiology, 2022, 72, 120-130.	4.2	17
1639	Diverse human astrocyte and microglial transcriptional responses to Alzheimer's pathology. Acta Neuropathologica, 2022, 143, 75-91.	7.7	80
1640	Microglial Potassium Channels: From Homeostasis to Neurodegeneration. Biomolecules, 2021, 11, 1774.	4.0	8
1641	Potential Involvement of Keratan Sulfate in the Heterogeneity of Microglia. Trends in Glycoscience and Glycotechnology, 2021, 33, J135-J139.	0.1	0
1642	Potential Involvement of Keratan Sulfate in the Heterogeneity of Microglia. Trends in Glycoscience and Glycotechnology, 2021, 33, E135-E139.	0.1	0
1643	Revisit the Cellular Transmission and Emerging Techniques in Understanding the Mechanisms of Proteinopathies. Frontiers in Neuroscience, 2021, 15, 781722.	2.8	1
1644	Altered cell and RNA isoform diversity in aging Down syndrome brains. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118	7.1	38

#	Article	IF	CITATIONS
1645	Dysregulated phosphoinositide 3-kinase signaling in microglia: shaping chronic neuroinflammation. Journal of Neuroinflammation, 2021, 18, 276.	7.2	36
1646	Positron Emission Tomography in Animal Models of Alzheimer's Disease Amyloidosis: Translational Implications. Pharmaceuticals, 2021, 14, 1179.	3.8	13
1647	Lessons from metabolic perturbations in lysosomal storage disorders for neurodegeneration. Current Opinion in Systems Biology, 2022, 29, 100408.	2.6	6
1648	Dynamic Changes in Central and Peripheral Neuro-Injury vs. Neuroprotective Serum Markers in COVID-19 Are Modulated by Different Types of Anti-Viral Treatments but Do Not Affect the Incidence of Late and Early Strokes. Biomedicines, 2021, 9, 1791.	3.2	7
1649	Brain transcriptome analysis of a CLN2 mouse model as a function of disease progression. Journal of Neuroinflammation, 2021, 18, 262.	7.2	5
1650	scCODA is a Bayesian model for compositional single-cell data analysis. Nature Communications, 2021, 12, 6876.	12.8	98
1651	Structural biology of cell surface receptors implicated in Alzheimer's disease. Biophysical Reviews, 2022, 14, 233-255.	3.2	5
1652	Common pathways in dementia and diabetic retinopathy: understanding the mechanisms of diabetes-related cognitive decline. Trends in Endocrinology and Metabolism, 2022, 33, 50-71.	7.1	34
1653	MGEnrichment: A web application for microglia gene list enrichment analysis. PLoS Computational Biology, 2021, 17, e1009160.	3.2	5
1654	The role of hypoxia in stem cell regulation of the central nervous system: From embryonic development to adult proliferation. CNS Neuroscience and Therapeutics, 2021, 27, 1446-1457.	3.9	18
1655	Microglia and immunotherapy in Alzheimer's disease. Acta Neurologica Scandinavica, 2022, 145, 273-278.	2.1	20
1656	Tau activates microglia via the PQBP1-cGAS-STING pathway to promote brain inflammation. Nature Communications, 2021, 12, 6565.	12.8	70
1659	Dopamine and Neuroinflammation in Schizophrenia – Interpreting the Findings from Translocator Protein (18kDa) PET Imaging. Neuropsychiatric Disease and Treatment, 2021, Volume 17, 3345-3357.	2.2	2
1661	Adipoclast: a multinucleated fat-eating macrophage. BMC Biology, 2021, 19, 246.	3.8	15
1662	Immune gene network of neurological diseases: Multiple sclerosis (MS), Alzheimer's disease (AD), Parkinson's disease (PD) and Huntington's disease (HD). Heliyon, 2021, 7, e08518.	3.2	9
1663	AD-linked R47H- <i>TREM2</i> mutation induces disease-enhancing microglial states via AKT hyperactivation. Science Translational Medicine, 2021, 13, eabe3947.	12.4	55
1664	Inhibition of GPR17 with cangrelor improves cognitive impairment and synaptic deficits induced by Aβ1–42 through Nrf2/HO-1 and NF-κB signaling pathway in mice. International Immunopharmacology, 2021, 101, 108335.	3.8	12
1666	Complement as a powerful "influencer―in the brain during development, adulthood and neurological disorders. Advances in Immunology, 2021, 152, 157-222.	2.2	11

#	Article	IF	CITATIONS
1667	Type I Interferon Signaling Drives Microglial Dysfunction and Senescence in Human iPSC Models of Down Syndrome and Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	0
1668	Pathogen Invasion Reveals the Differential Plasticity and Fate of Resident and Recruited Brain Macrophages During the Onset and Resolution of Disease. SSRN Electronic Journal, 0, , .	0.4	0
1669	Microglia activation, classification and microglia-mediated neuroinflammatory modulators in subarachnoid hemorrhage. Neural Regeneration Research, 2022, 17, 1404.	3.0	29
1670	Identification of Immune Cells and Key Genes associated with Alzheimer's Disease. International Journal of Medical Sciences, 2022, 19, 112-125.	2.5	19
1671	A novel graph-based k-partitioning approach improves the detection of gene-gene correlations by single-cell RNA sequencing. BMC Genomics, 2022, 23, 35.	2.8	5
1672	Inflammation in obesity, diabetes, and related disorders. Immunity, 2022, 55, 31-55.	14.3	489
1673	Disruption of the IL-33-ST2-AKT signaling axis impairs neurodevelopment by inhibiting microglial metabolic adaptation and phagocytic function. Immunity, 2022, 55, 159-173.e9.	14.3	52
1674	Elevated microglial oxidative phosphorylation and phagocytosis stimulate post-stroke brain remodeling and cognitive function recovery in mice. Communications Biology, 2022, 5, 35.	4.4	33
1676	Transcriptomic and functional analysis of Aβ1-42 oligomer-stimulated human monocyte-derived microglia-like cells. Brain, Behavior, and Immunity, 2022, 100, 219-230.	4.1	4
1677	APOE4 confers transcriptomic and functional alterations to primary mouse microglia. Neurobiology of Disease, 2022, 164, 105615.	4.4	22
1678	A tale of two systems: Lessons learned from female mid-life aging with implications for Alzheimer's prevention & treatment. Ageing Research Reviews, 2022, 74, 101542.	10.9	15
1679	Targeting PKC in microglia to promote remyelination and repair in the CNS. Current Opinion in Pharmacology, 2022, 62, 103-108.	3.5	11
1680	Neuroprotective effects of hyperbaric oxygen therapy in combination with Schwann cell transplantation in hippocampal fimbria transected rats. , 2018, 4, 28-38.		0
1681	Microglia and Sensitive Periods in Brain Development. Current Topics in Behavioral Neurosciences, 2021, , 55-78.	1.7	10
1682	A Unique Type of Highly-Activated Microglia Evoking Brain Inflammation via Mif/Cd74 Signaling Axis in Aged Mice. , 2021, 12, 2125.		25
1683	Bioenergetic Impairment in the Neuro-Glia-Vascular Unit: An Emerging Physiopathology during Aging. , 2021, 12, 2080.		11
1684	Activation of Microglial Genes and Crosstalk with Micro-environment in Modulating Immunological Pathology in Alzheimer's Disease. , 2021, , .		0
1685	Synapses, Microglia, and Lipids in Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 778822.	2.8	10

#	Article	IF	CITATIONS
1686	Attack of the Clones: Microglia in Health and Disease. Frontiers in Cellular Neuroscience, 2022, 16, 831747.	3.7	4
1687	The neuronal retromer can regulate both neuronal and microglial phenotypes of Alzheimer's disease. Cell Reports, 2022, 38, 110262.	6.4	17
1688	Astrocyte immunosenescence and deficits in interleukin 10 signaling in the aged brain disrupt the regulation of microglia following innate immune activation. Glia, 2022, 70, 913-934.	4.9	23
1689	Fighting fire with fire: The immune system might be key in our fight against Alzheimer's disease. Drug Discovery Today, 2022, 27, 1261-1283.	6.4	10
1690	HDAC6 inhibition reverses long-term doxorubicin-induced cognitive dysfunction by restoring microglia homeostasis and synaptic integrity. Theranostics, 2022, 12, 603-619.	10.0	12
1691	Profiling Microglia in a Mouse Model of Machado–Joseph Disease. Biomedicines, 2022, 10, 237.	3.2	3
1692	Stereotactic radiosurgery with immune checkpoint inhibitors for brain metastases: a meta-analysis study. British Journal of Neurosurgery, 2023, 37, 1533-1543.	0.8	8
1694	The Crosstalk Between Neurons and Glia in Methamphetamine-Induced Neuroinflammation. Neurochemical Research, 2022, 47, 872-884.	3.3	23
1695	Spatial proteogenomics reveals distinct and evolutionarily conserved hepatic macrophage niches. Cell, 2022, 185, 379-396.e38.	28.9	343
1696	Modulation of retinoid-X-receptors differentially regulates expression of apolipoprotein genes <i>apoc1</i> and <i>apoeb</i> by zebrafish microglia. Biology Open, 2022, 11, .	1.2	6
1697	Hypoxia/Ischemia-Induced Rod Microglia Phenotype in CA1 Hippocampal Slices. International Journal of Molecular Sciences, 2022, 23, 1422.	4.1	9
1698	Reactive astrogliosis: A friend or foe in the pathogenesis of Alzheimer's disease. Journal of Neurochemistry, 2023, 164, 309-324.	3.9	43
1699	Brain macrophages acquire distinct transcriptomes in multiple sclerosis lesions and normal appearing white matter. Acta Neuropathologica Communications, 2022, 10, 8.	5.2	29
1700	Neuronal Glial Crosstalk: Specific and Shared Mechanisms in Alzheimer's Disease. Brain Sciences, 2022, 12, 75.	2.3	8
1701	Does Soluble TREM2 Protect Against Alzheimer's Disease?. Frontiers in Aging Neuroscience, 2021, 13, 834697.	3.4	12
1702	Lipoxins in the Nervous System: Brighter Prospects for Neuroprotection. Frontiers in Pharmacology, 2022, 13, 781889.	3.5	9
1703	Differences in Immune-Related Genes Underlie Temporal and Regional Pathological Progression in 3xTg-AD Mice. Cells, 2022, 11, 137.	4.1	6
1704	Sexâ€specific transcriptome of spinal microglia in neuropathic pain due to peripheral nerve injury. Glia, 2022, 70, 675-696.	4.9	25

	CITATION RE	PORT	
# 1705	ARTICLE Kynurenine Pathway Metabolites as Biomarkers in Alzheimer's Disease. Disease Markers, 2022, 2022, 1-15.	IF 1.3	CITATIONS
1706	Murine roseolovirus does not accelerate amyloid-β pathology and human roseoloviruses are not over-represented in Alzheimer disease brains. Molecular Neurodegeneration, 2022, 17, 10.	10.8	9
1707	Transcriptome and Translatome Regulation of Pathogenesis in Alzheimer's Disease Model Mice. Journal of Alzheimer's Disease, 2022, 86, 365-386.	2.6	3
1708	Neuroinflammation in perioperative neurocognitive disorders: From bench to the bedside. CNS Neuroscience and Therapeutics, 2022, 28, 484-496.	3.9	22
1709	Loss of TREM2 rescues hyperactivation of microglia, but not lysosomal deficits and neurotoxicity in models of progranulin deficiency. EMBO Journal, 2022, 41, e109108.	7.8	38
1710	MORPHIOUS: an unsupervised machine learning workflow to detect the activation of microglia and astrocytes. Journal of Neuroinflammation, 2022, 19, 24.	7.2	5
1712	Microglia in CNS infections: insights from Toxoplasma gondii and other pathogens. Trends in Parasitology, 2022, 38, 217-229.	3.3	11
1713	Artificial intelligence framework identifies candidate targets for drug repurposing in Alzheimer's disease. Alzheimer's Research and Therapy, 2022, 14, 7.	6.2	42
1714	Neurodegeneration and neuroinflammation are linked, but independent of alphaâ€synuclein inclusions, in a seeding/spreading mouse model of Parkinson's disease. Glia, 2022, 70, 935-960.	4.9	30
1715	Necrotic reshaping of the glioma microenvironment drives disease progression. Acta Neuropathologica, 2022, 143, 291-310.	7.7	23
1716	The Role of ERK1/2 Pathway in the Pathophysiology of Alzheimer's Disease: An Overview and Update on New Developments. Cellular and Molecular Neurobiology, 2023, 43, 177-191.	3.3	22
1717	Organization-oriented technology opportunities analysis based on predicting patent networks: a case of Alzheimer's disease. Scientometrics, 2022, 127, 5497-5517.	3.0	7
1721	Soluble TAM receptors sAXL and sTyro3 predict structural and functional protection in Alzheimer's disease. Neuron, 2022, 110, 1009-1022.e4.	8.1	27
1722	<scp>MAC2</scp> is a longâ€lasting marker of peripheral cell infiltrates into the mouse <scp>CNS</scp> after bone marrow transplantation and coronavirus infection. Glia, 2022, 70, 875-891.	4.9	11
1723	Counting protein molecules for single-cell proteomics. Cell, 2022, 185, 232-234.	28.9	15
1724	Targeting the immune system towards novel therapeutic avenues to fight brain aging and neurodegeneration. European Journal of Neuroscience, 2022, 56, 5413-5427.	2.6	2
1725	Genomeâ€wide analysis identified abundant genetic modulators of contributions of the apolipoprotein E alleles to Alzheimer's disease risk. Alzheimer's and Dementia, 2022, , .	0.8	4
1726	Genetic analysis of the human microglial transcriptome across brain regions, aging and disease pathologies. Nature Genetics, 2022, 54, 4-17.	21.4	102

		CITATION REPORT		
#	Article		IF	Citations
1727	The Role of Microglial Phagocytosis in Ischemic Stroke. Frontiers in Immunology, 2021	, 12, 790201.	4.8	39
1728	Expression of the transcription factor PU.1 induces the generation of microglia-like cell cortical organoids. Nature Communications, 2022, 13, 430.	s in human	12.8	49
1729	Distinct gene expression in demyelinated white and grey matter areas of patients with sclerosis. Brain Communications, 2022, 4, fcac005.	multiple	3.3	10
1731	Variant TREM2 Signaling in Alzheimer's Disease. Journal of Molecular Biology, 2022, 43	4, 167470.	4.2	10
1732	The Combined Effects of Amyloidosis and Serotonin Deficiency by Tryptophan Hydroxy Impacts Viability of the APP/PS1 Mouse Model of Alzheimer's Disease. Journal of Al 2022, 85, 1283-1300.	'lase-2 Knockout zheimer's Disease,	2.6	5
1733	Akkermansia muciniphila Ameliorates Acetaminophen-Induced Liver Injury by Regulatin Composition and Metabolism. Microbiology Spectrum, 2022, 10, e0159621.	g Gut Microbial	3.0	62
1735	Selective reduction of astrocyte apoE3 and apoE4 strongly reduces Al <sup>2</sup> accumulation a plaque-related pathology in a mouse model of amyloidosis. Molecular Neurodegenerat	ind ion, 2022, 17, 13.	10.8	44
1736	Diagnostic Evidence GAuge of Single cells (DEGAS): a flexible deep transfer learning fra prioritizing cells in relation to disease. Genome Medicine, 2022, 14, 11.	mework for	8.2	10
1737	Cyclic multiplex fluorescent immunohistochemistry and machine learning reveal disting astrocytes and microglia in normal aging and Alzheimer's disease. Journal of Neuro 2022, 19, 30.	rt states of inflammation,	7.2	15
1738	Ganciclovir attenuates the onset and progression of experimental autoimmune uveitis infiltration of Th17 and inflammatory cells into the retina. Biochemical Pharmacology, 2 114917.	by inhibiting 2022, 197,	4.4	4
1739	Minocycline suppresses disease-associated microglia (DAM) in a model of photorecept degeneration. Experimental Eye Research, 2022, 217, 108953.	or cell	2.6	15
1740	Neuroinflammation in Gaucher disease, neuronal ceroid lipofuscinosis, and commonali Parkinson's disease. Brain Research, 2022, 1780, 147798.	ties with	2.2	8
1741	Soluble TREM2: Innocent bystander or active player in neurological diseases?. Neurobic Disease, 2022, 165, 105630.	ology of	4.4	41
1742	Glial profiling of human tauopathy brain demonstrates enrichment of astrocytic transc tau-related frontotemporal degeneration. Neurobiology of Aging, 2022, 112, 55-73.	ripts in	3.1	10
1743	Alzheimer's Disease: From Pathogenesis to Mesenchymal Stem Cell Therapy – Br Frontiers in Cellular Neuroscience, 2021, 15, 811852.	idging the Missing Link.	3.7	11
1744	Bone Marrow Stromal Cell Antigen 2: Is a Potential Neuroinflammation Biomarker of So Model of Amyotrophic Lateral Sclerosis in Pre-symptomatic Stage. Frontiers in Neurosc 788730.	DD1G93A Mouse tience, 2021, 15,	2.8	5
1745	The P522R protective variant of PLCG2 promotes the expression of antigen presentatic human microglia in an Alzheimer's disease mouse model. Alzheimer's and Dementia, 20	on genes by 022, 18, 1765-1778.	0.8	19
1746	Protein Expression of the Microglial Marker Tmem119 Decreases in Association With N Changes and Location in a Mouse Model of Traumatic Brain Injury. Frontiers in Cellular 2022, 16, 820127.	Iorphological Neuroscience,	3.7	24

	Сітатіо	n Report	
#	Article	IF	CITATIONS
1747	GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas. Nature, 2022, 603, 934-941.	27.8	339
1748	Spatial components of molecular tissue biology. Nature Biotechnology, 2022, 40, 308-318.	17.5	148
1749	p38 activation occurs mainly in microglia in the P301S Tauopathy mouse model. Scientific Reports, 2022, 12, 2130.	3.3	5
1750	Alcohol-Induced Neuroinflammatory Response and Mitochondrial Dysfunction on Aging and Alzheimer's Disease. Frontiers in Behavioral Neuroscience, 2021, 15, 778456.	2.0	10
1751	Central nervous system macrophages in progressive multiple sclerosis: relationship to neurodegeneration and therapeutics. Journal of Neuroinflammation, 2022, 19, 45.	7.2	51
1752	Microglia and Microglia-Like Cells: Similar but Different. Frontiers in Cellular Neuroscience, 2022, 16, 816439.	3.7	16
1753	Exosomes derived from bone-marrow mesenchymal stem cells alleviate cognitive decline in AD-like mice by improving BDNF-related neuropathology. Journal of Neuroinflammation, 2022, 19, 35.	7.2	73
1754	Systems-based approaches to study immunometabolism. Cellular and Molecular Immunology, 2022, 19, 409-420.	10.5	25
1756	Single-cell RNA sequencing reveals time- and sex-specific responses of mouse spinal cord microglia to peripheral nerve injury and links ApoE to chronic pain. Nature Communications, 2022, 13, 843.	12.8	62
1757	Evaluation of a 5-HT2B receptor agonist in a murine model of amyotrophic lateral sclerosis. Scientific Reports, 2021, 11, 23582.	3.3	5
1758	Atlas of genetic effects in human microglia transcriptome across brain regions, aging and disease pathologies. Alzheimer's and Dementia, 2021, 17, e050942.	0.8	4
1759	Gut microbiota–driven brain Aβ amyloidosis in mice requires microglia. Journal of Experimental Medicine, 2022, 219, .	8.5	44
1761	Physiological clearance of Aβ by spleen and splenectomy aggravates Alzheimerâ€ŧype pathogenesis. Aging Cell, 2022, 21, e13533.	6.7	14
1762	Untangling senescent and damageâ€associated microglia in the aging and diseased brain. FEBS Journal, 2023, 290, 1326-1339.	4.7	20
1763	Temporal patterns of microglial activation in white matter following experimental mild traumatic brain injury: a systematic literature review. Acta Neuropathologica Communications, 2021, 9, 197.	5.2	9
1764	Immunogenetic mechanism driving neurological and neurodegenerative disorders. , 2022, , 219-244.		0
1765	Potential significance of CX3CR1 dynamics in stress resilience against neuronal disorders. Neural Regeneration Research, 2022, 17, 2153.	3.0	2
1766	Neurodegenerative phagocytes mediate synaptic stripping in Neuro-HIV. Brain, 2022, 145, 2730-2741.	7.6	7

#	Article	IF	CITATIONS
1767	Disease-associated microglial activation prevents photoreceptor degeneration by suppressing the accumulation of cell debris and neutrophils in degenerating rat retinas. Theranostics, 2022, 12, 2687-2706.	10.0	8
1768	Function and therapeutic value of astrocytes in neurological diseases. Nature Reviews Drug Discovery, 2022, 21, 339-358.	46.4	160
1769	Microglial cathepsin E plays a role in neuroinflammation and amyloid β production in Alzheimer's disease. Aging Cell, 2022, 21, e13565.	6.7	14
1770	A human brain vascular atlas reveals diverse mediators of Alzheimer's risk. Nature, 2022, 603, 885-892.	27.8	294
1771	Microglia and Astrocyte Function and Communication: What Do We Know in Humans?. Frontiers in Neuroscience, 2022, 16, 824888.	2.8	39
1772	APOE mediated neuroinflammation and neurodegeneration in Alzheimer's disease. Seminars in Immunology, 2022, 59, 101594.	5.6	58
1773	Definition of a mouse microglial subset that regulates neuronal development and proinflammatory responses in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	24
1774	lpriflavone as a nonâ€steroidal glucocorticoid receptor antagonist ameliorates diabetic cognitive impairment in mice. Aging Cell, 2022, 21, e13572.	6.7	9
1775	TREM2 regulates purinergic receptor-mediated calcium signaling and motility in human iPSC-derived microglia. ELife, 2022, 11, .	6.0	31
1776	Brain cell type-specific cholesterol metabolism and implications for learning and memory. Trends in Neurosciences, 2022, 45, 401-414.	8.6	43
1777	Neuronal–glial communication perturbations in murine SOD1C93A spinal cord. Communications Biology, 2022, 5, 177.	4.4	8
1778	Stroke induces disease-specific myeloid cells in the brain parenchyma and pia. Nature Communications, 2022, 13, 945.	12.8	40
1779	Increasing Severity of Spinal Cord Injury Results in Microglia/Macrophages With Annular-Shaped Morphology and No Change in Expression of CD40 and Tumor Growth Factor-β During the Chronic Post-injury Stage. Frontiers in Molecular Neuroscience, 2021, 14, 802558.	2.9	3
1780	PLCG2 is associated with the inflammatory response and is induced by amyloid plaques in Alzheimer's disease. Genome Medicine, 2022, 14, 17.	8.2	34
1781	Microglia Polarization From M1 to M2 in Neurodegenerative Diseases. Frontiers in Aging Neuroscience, 2022, 14, 815347.	3.4	212
1782	Treatment of a genetic brain disease by CNS-wide microglia replacement. Science Translational Medicine, 2022, 14, eabl9945.	12.4	45
1783	Aβ promotes CD38 expression in senescent microglia in Alzheimer's disease. Biological Research, 2022, 55, 10.	3.4	10
1784	The APOEε3∫ε4 Genotype Drives Distinct Gene Signatures in the Cortex of Young Mice. Frontiers in Aging Neuroscience, 2022, 14, 838436.	3.4	14

#	Article	IF	CITATIONS
1785	Transcriptional response of murine microglia in Alzheimer's disease and inflammation. BMC Genomics, 2022, 23, 183.	2.8	11
1786	ENT-A010, a Novel Steroid Derivative, Displays Neuroprotective Functions and Modulates Microglial Responses. Biomolecules, 2022, 12, 424.	4.0	2
1787	Guidelines for bioinformatics of single-cell sequencing data analysis in Alzheimer's disease: review, recommendation, implementation and application. Molecular Neurodegeneration, 2022, 17, 17.	10.8	40
1788	Single-cell immunology: Past, present, and future. Immunity, 2022, 55, 393-404.	14.3	47
1789	Macrophage compartmentalization in the brain and cerebrospinal fluid system. Science Immunology, 2022, 7, eabk0391.	11.9	19
1790	Microglia: Key Players in Retinal Ageing and Neurodegeneration. Frontiers in Cellular Neuroscience, 2022, 16, 804782.	3.7	25
1792	Microglia and Neuroinflammation: Crucial Pathological Mechanisms in Traumatic Brain Injury-Induced Neurodegeneration. Frontiers in Aging Neuroscience, 2022, 14, 825086.	3.4	46
1793	Ermin deficiency leads to compromised myelin, inflammatory milieu, and susceptibility to demyelinating insult. Brain Pathology, 2022, 32, e13064.	4.1	5
1795	Microglial activation in Alzheimer's disease: The role of flavonoids and microRNAs. Journal of Leukocyte Biology, 2022, 112, 47-77.	3.3	7
1796	The Interplay Between Brain Vascular Calcification and Microglia. Frontiers in Aging Neuroscience, 2022, 14, 848495.	3.4	10
1798	ApoE4 reduction: An emerging and promising therapeutic strategy for Alzheimer's disease. Neurobiology of Aging, 2022, 115, 20-28.	3.1	20
1799	Decoupling astrocytes in adult mice impairs synaptic plasticity and spatial learning. Cell Reports, 2022, 38, 110484.	6.4	43
1804	The Role of Immunity in Alzheimer's Disease. Advanced Biology, 2022, , 2101166.	2.5	10
1805	Neutrophil-vascular interactions drive myeloperoxidase accumulation in the brain in Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, 38.	5.2	42
1806	Microglia phenotypes are associated with subregional patterns of concomitant tau, amyloid-β and α-synuclein pathologies in the hippocampus of patients with Alzheimer's disease and dementia with Lewy bodies. Acta Neuropathologica Communications, 2022, 10, 36.	5.2	7
1807	Aβ oligomers trigger necroptosis-mediated neurodegeneration via microglia activation in Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, 31.	5.2	28
1809	Neuroinflammation, Microglia and Implications for Retinal Ganglion Cell Survival and Axon Regeneration in Traumatic Optic Neuropathy. Frontiers in Immunology, 2022, 13, 860070.	4.8	26
1810	A Mutant Variant of E2F4 Triggers Multifactorial Therapeutic Effects in 5xFAD Mice. Molecular Neurobiology, 2022, 59, 3016-3039.	4.0	3

#	Article	IF	CITATIONS
1811	Microglial VPS35 deficiency impairs Aβ phagocytosis and Aβ-induced disease-associated microglia, and enhances Aβ associated pathology. Journal of Neuroinflammation, 2022, 19, 61.	7.2	12
1812	TREM2 and CD163 Ameliorate Microglia-Mediated Inflammatory Environment in the Aging Brain. Journal of Molecular Neuroscience, 2022, 72, 1075-1084.	2.3	5
1813	Microglia in Alzheimer's Disease: a Key Player in the Transition Between Homeostasis and Pathogenesis. Neurotherapeutics, 2022, 19, 186-208.	4.4	19
1814	Contribution of "Genuine Microglia―to Alzheimer's Disease Pathology. Frontiers in Aging Neuroscience, 2022, 14, 815307.	3.4	0
1815	Immunosuppressive TREM2(+) macrophages are associated with undesirable prognosis and responses to anti-PD-1 immunotherapy in non-small cell lung cancer. Cancer Immunology, Immunotherapy, 2022, 71, 2511-2522.	4.2	43
1816	Lipoproteins in the Central Nervous System: From Biology to Pathobiology. Annual Review of Biochemistry, 2022, 91, 731-759.	11.1	13
1817	Failure of Alzheimer's Mice Brain Resident Neural Precursor Cells in Supporting Microglia-Mediated Amyloid β Clearance. Cells, 2022, 11, 876.	4.1	4
1819	Microbiota inÂneuroinflammationÂandÂsynaptic dysfunction: a focus on Alzheimer's disease. Molecular Neurodegeneration, 2022, 17, 19.	10.8	89
1820	Culture shock: microglial heterogeneity, activation, and disrupted single-cell microglial networks in vitro. Molecular Neurodegeneration, 2022, 17, 26.	10.8	24
1821	Editorial: Synaptic Diseases: From Biology to Potential Therapy. Frontiers in Synaptic Neuroscience, 2022, 14, 846099.	2.5	1
1822	Exploring Sex-Related Differences in Microglia May Be a Game-Changer in Precision Medicine. Frontiers in Aging Neuroscience, 2022, 14, 868448.	3.4	47
1823	Localization of Thioredoxin-Interacting Protein in Aging and Alzheimer's Disease Brains. NeuroSci, 2022, 3, 166-185.	1.2	0
1826	The bidirectional lung brain-axis of amyloid-β pathology: ozone dysregulates the peri-plaque microenvironment. Brain, 2023, 146, 991-1005.	7.6	17
1827	One-Year Trajectory of Cognitive Changes in Older Survivors of COVID-19 in Wuhan, China. JAMA Neurology, 2022, 79, 509.	9.0	133
1828	Dissection of artifactual and confounding glial signatures by single-cell sequencing of mouse and human brain. Nature Neuroscience, 2022, 25, 306-316.	14.8	166
1829	Pain-resolving microglia. Science, 2022, 376, 33-34.	12.6	9
1830	Inhibition of colony stimulating factor-1 receptor (CSF-1R) as a potential therapeutic strategy for neurodegenerative diseases: opportunities and challenges. Cellular and Molecular Life Sciences, 2022, 79, 219.	5.4	64
1831	Clinical and translational values of spatial transcriptomics. Signal Transduction and Targeted Therapy, 2022, 7, 111.	17.1	61

#	Article	IF	CITATIONS
1832	A universal deep neural network for in-depth cleaning of single-cell RNA-Seq data. Nature Communications, 2022, 13, 1901.	12.8	15
1833	A spinal microglia population involved in remitting and relapsing neuropathic pain. Science, 2022, 376, 86-90.	12.6	98
1834	Glycolytic metabolism supports microglia training during age-related neurodegeneration. Pharmacological Reports, 2022, 74, 818-831.	3.3	4
1835	Transcriptional landscape of human microglia implicates age, sex, and <i>APOE</i> â€related immunometabolic pathway perturbations. Aging Cell, 2022, 21, e13606.	6.7	23
1836	sTREM2 mediates the associations of minimal depressive symptoms with amyloid pathology in prodromal Alzheimer's disease: The CABLE study. Translational Psychiatry, 2022, 12, 140.	4.8	3
1837	Single-cell transcriptomic analysis of the immune cell landscape in the aged mouse brain after ischemic stroke. Journal of Neuroinflammation, 2022, 19, 83.	7.2	43
1838	Decoding the temporal and regional specification of microglia in the developing human brain. Cell Stem Cell, 2022, 29, 620-634.e6.	11.1	27
1840	Understanding on the possible routes for SARS CoV-2 invasion via ACE2 in the host linked with multiple organs damage. Infection, Genetics and Evolution, 2022, 99, 105254.	2.3	21
1841	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.	10.2	72
1842	The Role of Osteopontin in Microglia Biology: Current Concepts and Future Perspectives. Biomedicines, 2022, 10, 840.	3.2	30
1843	Microglia as therapeutic targets for central nervous system remyelination. Current Opinion in Pharmacology, 2022, 63, 102188.	3.5	10
1844	Oxidized phospholipids as novel mediators of neurodegeneration. Trends in Neurosciences, 2022, 45, 419-429.	8.6	22
1845	The role of intracellular calciumâ€storeâ€mediated calcium signals in <i>in vivo</i> sensor and effector functions of microglia. Journal of Physiology, 2023, 601, 4203-4215.	2.9	8
1849	Fornix volumetric increase and microglia morphology contribute to spatial and recognition-like memory decline in ageing male mice. NeuroImage, 2022, 252, 119039.	4.2	4
1850	Co-expression patterns of microglia markers Iba1, TMEM119 and P2RY12 in Alzheimer's disease. Neurobiology of Disease, 2022, 167, 105684.	4.4	45
1852	Regulation of myelination by microglia. Science Advances, 2021, 7, eabk1131.	10.3	42
1853	MUTYH Actively Contributes to Microglial Activation and Impaired Neurogenesis in the Pathogenesis of Alzheimer's Disease. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-30.	4.0	17
1854	Integration of Multiple scRNA-Seq Datasets on the Autoencoder Latent Space. , 2021, , .		4

#	Δρτιςι ε	IF	CITATIONS
1856	TREM2-independent oligodendrocyte, astrocyte, and TÂcell responses to tau and amyloid pathology in mouse models of Alzheimer disease. Cell Reports, 2021, 37, 110158.	6.4	33
1857	Microglia Heterogeneity in Alzheimer's Disease: Insights From Single-Cell Technologies. Frontiers in Synaptic Neuroscience, 2021, 13, 773590.	2.5	16
1858	Characterization of the Leucocyte Immunoglobulin-like Receptor B4 (Lilrb4) Expression in Microglia. Biology, 2021, 10, 1300.	2.8	3
1859	No evidence of aberrant amyloid β and phosphorylated tau expression in herpes simplex virusâ€infected neurons of the trigeminal ganglia and brain. Brain Pathology, 2021, , e13044.	4.1	6
1861	Inflammatory Biomarkers in Addictive Disorders. Biomolecules, 2021, 11, 1824.	4.0	14
1862	TREM2 interacts with TDP-43 and mediates microglial neuroprotection against TDP-43-related neurodegeneration. Nature Neuroscience, 2022, 25, 26-38.	14.8	52
1864	Microglia and astrocyte involvement in neurodegeneration and brain cancer. Journal of Neuroinflammation, 2021, 18, 298.	7.2	32
1866	The Implication of Glial Metabotropic Glutamate Receptors in Alzheimer's Disease. Current Neuropharmacology, 2023, 21, 164-182.	2.9	3
1868	Alzheimer's disease modification mediated by bone marrow-derived macrophages via a TREM2-independent pathway in mouse model of amyloidosis. Nature Aging, 2022, 2, 60-73.	11.6	12
1869	Restoring Oat Nanoparticles Mediated Brain Memory Function of Mice Fed Alcohol by Sorting Inflammatory Dectinâ€1 Complex Into Microglial Exosomes. Small, 2022, 18, e2105385.	10.0	19
1870	Transcriptomic analysis of frontotemporal lobar degeneration with TDP-43 pathology reveals cellular alterations across multiple brain regions. Acta Neuropathologica, 2022, 143, 383-401.	7.7	20
1871	Perspectives on the Role of APOE4 as a Therapeutic Target for Alzheimer's Disease. Journal of Alzheimer's Disease Reports, 2021, 5, 899-910.	2.2	2
1872	White matter microglia heterogeneity in the CNS. Acta Neuropathologica, 2022, 143, 125-141.	7.7	48
1873	Microglial TREM2 in amyotrophic lateral sclerosis. Developmental Neurobiology, 2022, 82, 125-137.	3.0	16
1874	The origin and repopulation of microglia. Developmental Neurobiology, 2022, 82, 112-124.	3.0	16
1875	Microglia and monocytes in inflammatory CNS disease: integrating phenotype and function. Acta Neuropathologica, 2022, 143, 179-224.	7.7	82
1876	Recent advances in preventing neurodegenerative diseases. Faculty Reviews, 2021, 10, 81.	3.9	4
1877	The meninges—a cradle and school for nurturing and educating developing B cells. Immunity, 2021, 54, 2688-2690.	14.3	2

#	Article	IF	Citations
1879	Multi-Omics Analysis of Microglial Extracellular Vesicles From Human Alzheimer's Disease Brain Tissue Reveals Disease-Associated Signatures. Frontiers in Pharmacology, 2021, 12, 766082.	3.5	50
1880	An efficient scRNA-seq dropout imputation method using graph attention network. BMC Bioinformatics, 2021, 22, 582.	2.6	5
1883	Systems Biology to Address Unmet Medical Needs in Neurological Disorders. Methods in Molecular Biology, 2022, 2486, 247-276.	0.9	4
1884	Aging, Senescence, and Dementia. journal of prevention of Alzheimer's disease, The, 0, , 1.	2.7	6
1885	The Dual Nature of Microglia in Alzheimer's Disease: A Microglia-Neuron Crosstalk Perspective. Neuroscientist, 2023, 29, 616-638.	3.5	4
1886	The niacin receptor HCAR2 modulates microglial response and limits disease progression in a mouse model of Alzheimer's disease. Science Translational Medicine, 2022, 14, eabl7634.	12.4	35
1888	Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease. Frontiers in Aging Neuroscience, 2022, 14, 858429.	3.4	9
1889	The amyloid plaque proteome in early onset Alzheimer's disease and Down syndrome. Acta Neuropathologica Communications, 2022, 10, 53.	5.2	49
1890	Microglial NF-κB drives tau spreading and toxicity in a mouse model of tauopathy. Nature Communications, 2022, 13, 1969.	12.8	103
1891	The cytokines interleukin-6 and interferon- $\hat{l}\pm$ induce distinct microglia phenotypes. Journal of Neuroinflammation, 2022, 19, 96.	7.2	23
1892	Microglia Don't Treat All Neurons the Same: The Importance of Neuronal Subtype in Microglia-Neuron Interactions in the Developing Hypothalamus. Frontiers in Cellular Neuroscience, 2022, 16, 867217.	3.7	4
1893	Advances in Visualizing Microglial Cells in Human Central Nervous System Tissue. Biomolecules, 2022, 12, 603.	4.0	6
1894	Distinct phases of adult microglia proliferation: a Myc-mediated early phase and a Tnfaip3-mediated late phase. Cell Discovery, 2022, 8, 34.	6.7	11
1895	Light Microscopy Approach for Simultaneous Identification of Glial Cells and Amyloid Plaques. Cell and Tissue Biology, 2022, 16, 140-149.	0.4	1
1896	Clausena Harmandiana root extract attenuated cognitive impairments via reducing amyloid accumulation and neuroinflammation in Aβ1-42-induced rats. BMC Complementary Medicine and Therapies, 2022, 22, 108.	2.7	1
1897	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.	2.1	7
1898	Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid β plaques. Immunity, 2022, 55, 879-894.e6.	14.3	64
1899	Microglial FABP4-UCP2 Axis Modulates Neuroinflammation and Cognitive Decline in Obese Mice. International Journal of Molecular Sciences, 2022, 23, 4354.	4.1	8

#	Article	IF	CITATIONS
1900	Single-nucleus RNA sequencing identified cells with ependymal cell-like features enriched in neonatal mice after spinal cord injury. Neuroscience Research, 2022, 181, 22-38.	1.9	2
1901	Life and death of microglia: Mechanisms governing microglial states and fates. Immunology Letters, 2022, 245, 51-60.	2.5	14
2020	Singleâ€cell analysis of microglial transcriptomic diversity in subarachnoid haemorrhage. Clinical and Translational Medicine, 2022, 12, e783.	4.0	6
2021	Functional and transcriptional profiling of microglial activation during the chronic phase of TBI identifies an age-related driver of poor outcome in old mice. GeroScience, 2022, 44, 1407-1440.	4.6	16
2022	Humoral immune defense of the central nervous system. Current Opinion in Immunology, 2022, 76, 102179.	5.5	3
2023	Osteopontin/secreted phosphoproteinâ€1 harnesses glialâ€; immuneâ€; and neuronal cell ligandâ€receptor interactions to sense and regulate acute and chronic neuroinflammation. Immunological Reviews, 2022, 311, 224-233.	6.0	40
2024	The roles of microglia in neural remodeling during retinal degeneration. Histology and Histopathology, 2021, , 18384.	0.7	2
2025	Histamine and Microglia. Current Topics in Behavioral Neurosciences, 2022, , 241-259.	1.7	3
2026	Microglia-Mediated Inflammation and Neural Stem Cell Differentiation in Alzheimer's Disease: Possible Therapeutic Role of KV1.3 Channel Blockade. Frontiers in Cellular Neuroscience, 2022, 16, 868842.	3.7	10
2027	Myeloid LXR (Liver X Receptor) Deficiency Induces Inflammatory Gene Expression in Foamy Macrophages and Accelerates Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 719-731.	2.4	31
2029	Neuroprotective Effect of Carnosine Is Mediated by Insulin-Degrading Enzyme. ACS Chemical Neuroscience, 2022, , .	3.5	13
2030	Single-cell and spatial RNA sequencing identify perturbators of microglial functions with aging. Nature Aging, 2022, 2, 508-525.	11.6	11
2031	Metabolic factors in the regulation of hypothalamic innate immune responses in obesity. Experimental and Molecular Medicine, 2022, 54, 393-402.	7.7	10
2032	Adolescent Binge Alcohol Enhances Early Alzheimer's Disease Pathology in Adulthood Through Proinflammatory Neuroimmune Activation. Frontiers in Pharmacology, 2022, 13, 884170.	3.5	24
2033	Loss of microglial EED impairs synapse density, learning, and memory. Molecular Psychiatry, 2022, 27, 2999-3009.	7.9	16
2034	Nicotinic Acetylcholine Receptors and Microglia as Therapeutic and Imaging Targets in Alzheimer's Disease. Molecules, 2022, 27, 2780.	3.8	10
2035	Neuronal apoptosis drives remodeling states of microglia and shifts in survival pathway dependence. ELife, 2022, 11, .	6.0	22
2036	Cerebrospinal Fluid sTREM2 Has Paradoxical Association with Brain Structural Damage Rate in Early- and Late-Stage Alzheimer's Disease. Journal of Alzheimer's Disease. 2022. 88. 117-126.	2.6	1

#	Article	IF	CITATIONS
2037	Immune-mediated neurodegenerative trait provoked by multimodal derepression of long-interspersed nuclear element-1. IScience, 2022, 25, 104278.	4.1	7
2038	BIN1 is a key regulator of proinflammatory and neurodegeneration-related activation in microglia. Molecular Neurodegeneration, 2022, 17, 33.	10.8	26
2039	miR-150-5p and let-7b-5p in Blood Myeloid Extracellular Vesicles Track Cognitive Symptoms in Patients with Multiple Sclerosis. Cells, 2022, 11, 1551.	4.1	8
2040	Regressionâ€based heterogeneity analysis to identify overlapping subgroup structure in highâ€dimensional data. Biometrical Journal, 2022, 64, 1109-1141.	1.0	1
2041	Single Cell Multiomic Approaches to Disentangle T Cell Heterogeneity. Immunology Letters, 2022, 246, 37-51.	2.5	1
2042	Cannabidiol Enhances Microglial Beta-Amyloid Peptide Phagocytosis and Clearance via Vanilloid Family Type 2 Channel Activation. International Journal of Molecular Sciences, 2022, 23, 5367.	4.1	14
2043	Transgenic Mouse Models of Alzheimer's Disease: An Integrative Analysis. International Journal of Molecular Sciences, 2022, 23, 5404.	4.1	36
2044	Metformin Improves the Prognosis of Adult Mice with Sepsis-Associated Encephalopathy Better than That of Aged Mice. Journal of Immunology Research, 2022, 2022, 1-14.	2.2	4
2046	Transcriptional signature in microglia isolated from an Alzheimer's disease mouse model treated with scanning ultrasound. Bioengineering and Translational Medicine, 2023, 8, .	7.1	7
2047	A multiâ€hit hypothesis for an <i>APOE4</i> â€dependent pathophysiological state. European Journal of Neuroscience, 2022, 56, 5476-5515.	2.6	8
2048	Iron accumulation induces oxidative stress, while depressing inflammatory polarization in human iPSC-derived microglia. Stem Cell Reports, 2022, 17, 1351-1365.	4.8	25
2049	Peripheral monocyte–derived cells counter amyloid plaque pathogenesis in a mouse model of Alzheimer's disease. Journal of Clinical Investigation, 2022, 132, .	8.2	25
2050	Defective <scp>fractalkine X3CR1</scp> signaling aggravates neuroinflammation and affects recovery from cuprizoneâ€induced demyelination. Journal of Neurochemistry, 2022, 162, 430-443.	3.9	6
2051	Targeting the Type 5 Metabotropic Glutamate Receptor: A Potential Therapeutic Strategy for Neurodegenerative Diseases?. Frontiers in Pharmacology, 2022, 13, .	3.5	9
2052	Single-nucleus cross-tissue molecular reference maps toward understanding disease gene function. Science, 2022, 376, eabl4290.	12.6	180
2053	Singleâ€nucleus transcriptome analysis reveals disease―and regenerationâ€associated endothelial cells in white matter vascular dementia. Journal of Cellular and Molecular Medicine, 2022, 26, 3183-3195.	3.6	11
2054	Single-cell transcriptome analysis reveals the immune heterogeneity and the repopulation of microglia by Hif1 $\hat{l}$ ± in mice after spinal cord injury. Cell Death and Disease, 2022, 13, 432.	6.3	18
2055	The aging immune system in Alzheimer's and Parkinson's diseases. Seminars in Immunopathology, 2022, 44, 649-657.	6.1	13

#	Article	IF	CITATIONS
2056	Role of adipose tissue macrophages in obesity-related disorders. Journal of Experimental Medicine, 2022, 219, .	8.5	31
2057	Frontal lobe microglia, neurodegenerative protein accumulation, and cognitive function in people with HIV. Acta Neuropathologica Communications, 2022, 10, 69.	5.2	7
2058	An Alternatively Spliced TREM2 Isoform Lacking the Ligand Binding Domain is Expressed in Human Brain. Journal of Alzheimer's Disease, 2022, 87, 1647-1657.	2.6	10
2060	Single-cell genomic profiling of human dopamine neurons identifies a population that selectively degenerates in Parkinson's disease. Nature Neuroscience, 2022, 25, 588-595.	14.8	155
2062	Chronic Ethanol Causes Persistent Increases in Alzheimer's Tau Pathology in Female 3xTg-AD Mice: A Potential Role for Lysosomal Impairment. Frontiers in Behavioral Neuroscience, 2022, 16, .	2.0	7
2063	Infection and inflammation: New perspectives on Alzheimer's disease. Brain, Behavior, & Immunity - Health, 2022, 22, 100462.	2.5	17
2064	Humoral immunity at the brain borders in homeostasis. Current Opinion in Immunology, 2022, 76, 102188.	5.5	3
2065	Epigenetic regulation of innate immune memory in microglia. Journal of Neuroinflammation, 2022, 19, 111.	7.2	30
2066	Molecular Insights into Cell Type-specific Roles in Alzheimer's Disease: Human Induced Pluripotent Stem Cell-based Disease Modelling. Neuroscience, 2023, 518, 10-26.	2.3	5
2067	Microglia in the Neuroinflammatory Pathogenesis of Alzheimer's Disease and Related Therapeutic Targets. Frontiers in Immunology, 2022, 13, 856376.	4.8	38
2068	Recent Advances in Microglia Modelling to Address Translational Outcomes in Neurodegenerative Diseases. Cells, 2022, 11, 1662.	4.1	6
2069	Neurons and Astrocytes Elicit Brain Region Specific Transcriptional Responses to Prion Disease in the Murine CA1 and Thalamus. Frontiers in Neuroscience, 2022, 16, .	2.8	4
2070	Schiff Base Derivatives of 4-Aminoantipyrine as Promising Molecules: Synthesis, Structural Characterization, and Biological Activities. Russian Journal of Bioorganic Chemistry, 2022, 48, 334-344.	1.0	14
2071	The antioxidant enzyme Peroxiredoxin-1 controls stroke-associated microglia against acute ischemic stroke. Redox Biology, 2022, 54, 102347.	9.0	27
2075	Astrocyte-targeted gene delivery of interleukin 2 specifically increases brain-resident regulatory T cell numbers and protects against pathological neuroinflammation. Nature Immunology, 2022, 23, 878-891.	14.5	59
2076	Mouse models of Alzheimer's disease for preclinical research. Neurochemistry International, 2022, 158, 105361.	3.8	9
2077	Specific Microglial Subtypes and Inflammatory Mechanisms in Early Diabetic Retinopathy. SSRN Electronic Journal, 0, , .	0.4	0
2078	Astrocyte polarization in glaucoma: a new opportunity. Neural Regeneration Research, 2022, 17, 2582.	3.0	11

<u></u>		D	_
	ON	REDC	NDT.
CITAT		NLFC	<u> </u>

#	Article	IF	CITATIONS
2080	Astrocytes and Microglia in Stress-Induced Neuroinflammation: The African Perspective. Frontiers in Immunology, 2022, 13, .	4.8	7
2081	Neuroinflammation: A Possible Link Between Chronic Vascular Disorders and Neurodegenerative Diseases. Frontiers in Aging Neuroscience, 0, 14, .	3.4	21
2082	Inflammatory Animal Models of Parkinson's Disease. Journal of Parkinson's Disease, 2022, 12, S165-S182.	2.8	9
2084	Functional and Phenotypic Diversity of Microglia: Implication for Microglia-Based Therapies for Alzheimer's Disease. Frontiers in Aging Neuroscience, 0, 14, .	3.4	15
2085	Targeting Necroptosis as a Promising Therapy for Alzheimer's Disease. ACS Chemical Neuroscience, 2022, 13, 1697-1713.	3.5	13
2086	Advancing basic and translational research to deepen understanding of the molecular immune-mediated mechanisms regulating long-term persistence of HIV-1 in microglia in the adult human brain. Journal of Leukocyte Biology, 2022, 112, 1223-1231.	3.3	3
2087	Deconstructing the functional neuroanatomy of the choroid plexus: an ontogenetic perspective for studying neurodevelopmental and neuropsychiatric disorders. Molecular Psychiatry, 2022, 27, 3573-3582.	7.9	16
2089	Sustained Trem2 stabilization accelerates microglia heterogeneity and Aβ pathology in a mouse model of Alzheimer's disease. Cell Reports, 2022, 39, 110883.	6.4	20
2091	TREM2 in the pathogenesis of AD: a lipid metabolism regulator and potential metabolic therapeutic target. Molecular Neurodegeneration, 2022, 17, .	10.8	36
2092	Microglia in Alzheimer's Disease: A Favorable Cellular Target to Ameliorate Alzheimer's Pathogenesis. Mediators of Inflammation, 2022, 2022, 1-17.	3.0	3
2093	Reversal of synapse loss in Alzheimer mouse models by targeting mGluR5 to prevent synaptic tagging by C1Q. Science Translational Medicine, 2022, 14, .	12.4	38
2094	Single-Cell Sequencing Analysis of the db/db Mouse Hippocampus Reveals Cell-Type-Specific Insights Into the Pathobiology of Diabetes-Associated Cognitive Dysfunction. Frontiers in Endocrinology, 2022, 13, .	3.5	11
2096	CNS border-associated macrophages in the homeostatic and ischaemic brain. , 2022, 240, 108220.		18
2097	Antiretroviral therapy restores the homeostatic state of microglia in SIV-infected rhesus macaques. Journal of Leukocyte Biology, 2022, 112, 969-981.	3.3	7
2098	Microglial mTOR Activation Upregulates Trem2 and Enhances β-Amyloid Plaque Clearance in the <i>5XFAD</i> Alzheimer's Disease Model. Journal of Neuroscience, 2022, 42, 5294-5313.	3.6	34
2099	Neuroimmune contributions to Alzheimer's disease: a focus on human data. Molecular Psychiatry, 2022, 27, 3164-3181.	7.9	20
2100	Primary Microglia Dysfunction or Microgliopathy: A Cause of Dementias and Other Neurological or Psychiatric Disorders. Neuroscience, 2022, 497, 324-339.	2.3	4
2101	Cholesterol and matrisome pathways dysregulated in astrocytes and microglia. Cell, 2022, 185, 2213-2233.e25.	28.9	123

#	Article	IF	CITATIONS
2102	Phagocytic microglia and macrophages in brain injury and repair. CNS Neuroscience and Therapeutics, 2022, 28, 1279-1293.	3.9	38
2103	A New Understanding of TMEM119 as a Marker of Microglia. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	24
2104	Laser tweezers Raman spectroscopy combined with machine learning for diagnosis of Alzheimer's disease. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 280, 121542.	3.9	6
2105	Microglial amyloid beta clearance is driven by PIEZO1 channels. Journal of Neuroinflammation, 2022, 19, .	7.2	45
2106	Microglial Inflammatory-Metabolic Pathways and Their Potential Therapeutic Implication in Major Depressive Disorder. Frontiers in Psychiatry, 0, 13, .	2.6	27
2107	Region-Specific Characteristics of Astrocytes and Microglia: A Possible Involvement in Aging and Diseases. Cells, 2022, 11, 1902.	4.1	10
2108	Absence of microglia promotes diverse pathologies and early lethality in Alzheimer's disease mice. Cell Reports, 2022, 39, 110961.	6.4	48
2109	Dynamic insights into the effects of nonsynonymous polymorphisms (nsSNPs) on loss of TREM2 function. Scientific Reports, 2022, 12, .	3.3	5
2110	Microglia in depression: an overview of microglia in the pathogenesis and treatment of depression. Journal of Neuroinflammation, 2022, 19, .	7.2	119
2111	Advancements in Genomic and Behavioral Neuroscience Analysis for the Study of Normal and Pathological Brain Function. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	0
2112	Microglia in Parkinson's Disease. Journal of Parkinson's Disease, 2022, 12, S105-S112.	2.8	18
2113	Brain Cell Type-Specific Nuclear Proteomics Is Imperative to Resolve Neurodegenerative Disease Mechanisms. Frontiers in Neuroscience, 0, 16, .	2.8	4
2114	The influence of phytochemicals on cell heterogeneity in chronic inflammation-associated diseases: the prospects of single cell sequencing. Journal of Nutritional Biochemistry, 2022, 108, 109091.	4.2	3
2115	Soluble TREM2 levels reflect the recruitment and expansion of TREM2+ macrophages that localize to fibrotic areas and limit NASH. Journal of Hepatology, 2022, 77, 1373-1385.	3.7	60
2116	The role of triggering receptor expressed on myeloid cells 2 in Parkinson's disease and other neurodegenerative disorders. Behavioural Brain Research, 2022, 433, 113977.	2.2	4
2118	Single-Cell RNA-Sequencing: Astrocyte and Microglial Heterogeneity in Health and Disease. Cells, 2022, 11, 2021.	4.1	19
2119	Host immune responses in the central nervous system during fungal infections. Immunological Reviews, 2022, 311, 50-74.	6.0	3
2120	Mouse Models of Alzheimer's Disease. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	50

		CITATION RE	EPORT	
#	Article		IF	CITATIONS
2121	Immune response after central nervous system injury. Seminars in Immunology, 2022,	59, 101629.	5.6	19
2122	Exploring the Impact of TREM2 in Tumor-Associated Macrophages. Vaccines, 2022, 10	, 943.	4.4	16
2123	BACE-1 inhibition facilitates the transition from homeostatic microglia to DAM-1. Scien 2022, 8, .	nce Advances,	10.3	27
2124	Trehalose Treatment in Zebrafish Model of Lafora Disease. International Journal of Mol Sciences, 2022, 23, 6874.	ecular	4.1	9
2125	Signatures of glial activity can be detected in the CSF proteome. Proceedings of the N of Sciences of the United States of America, 2022, 119, .	ational Academy	7.1	12
2127	The dense-core plaques of Alzheimer's disease are granulomas. Journal of Experime 219, .	ental Medicine, 2022,	8.5	15
2128	Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation. C 2452-2468.e16.	ell, 2022, 185,	28.9	237
2129	Lipoxygenase Metabolism: Critical Pathways in Microglia-mediated Neuroinflammation Neurodevelopmental Disorders. Neurochemical Research, 2022, 47, 3213-3220.	and	3.3	4
2131	RIP kinases and necroptosis in aging and aging-related diseases. , 2022, 1, 2-20.			8
2132	Microglia: Friend and foe in tauopathy. Progress in Neurobiology, 2022, 216, 102306.		5.7	13
2133	Exploring the zinc-related transcriptional landscape in Alzheimer's disease. IBRO N Reports, 2022, 13, 31-37.	euroscience	1.6	3
2134	Microfluidics for Cancer Biomarker Discovery, Research, and Clinical Application. Adva Experimental Medicine and Biology, 2022, , 499-524.	nces in	1.6	5
2135	Acquired immunity and Alzheimer's disease. Journal of Biomedical Research, 2023, 37,	15.	1.6	0
2136	Brain Amyloid- ß Accumulation in AD Mouse Models Modified by Their Altered Gene E Presence of Human apoE Isoforms Through Aging Process. SSRN Electronic Journal, 0,	xpression in the , .	0.4	0
2137	Microglia and border-associated macrophages in the central nervous system. , 2022, ,	181-212.		1
2138	A shared disease-associated oligodendrocyte signature among multiple CNS pathologi Neuroscience, 2022, 25, 876-886.	es. Nature	14.8	84
2139	CX3CR1 deficiency aggravates amyloid driven neuronal pathology and cognitive declir disease. Molecular Neurodegeneration, 2022, 17, .	ie in Alzheimer's	10.8	37
2140	Synapse pathology in Alzheimer's disease. Seminars in Cell and Developmental Bic	logy, 2023, 139, 13-23.	5.0	30

#	Article	IF	Citations
2141	The Role of Microglia in Alzheimer's Disease From the Perspective of Immune Inflammation and Iron Metabolism. Frontiers in Aging Neuroscience, 0, 14, .	3.4	24
2142	Roles of Fatty Acids in Microglial Polarization: Evidence from In Vitro and In Vivo Studies on Neurodegenerative Diseases. International Journal of Molecular Sciences, 2022, 23, 7300.	4.1	10
2143	Pleiotropic effects of clopidogrel. Purinergic Signalling, 2022, 18, 253-265.	2.2	4
2144	Innate Immune Tolerance in Microglia Does Not Impact on Central Nervous System Prion Disease. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	2
2145	A Dichotomous Role for FABP7 in Sleep and Alzheimer's Disease Pathogenesis: A Hypothesis. Frontiers in Neuroscience, 0, 16, .	2.8	6
2146	Protective effects of omega-3 fatty acids in a blood–brain barrier-on-chip model and on postoperative delirium-like behaviour in mice. British Journal of Anaesthesia, 2023, 130, e370-e380.	3.4	15
2147	Microglia Phenotypes in Aging and Neurodegenerative Diseases. Cells, 2022, 11, 2091.	4.1	76
2148	The Shape of μ—How Morphological Analyses Shape the Study of Microglia. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	3
2150	Editorial: Multifaceted Interactions Between Immunity and the Diseased Brain. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	0
2151	Novel App knock-in mouse model shows key features of amyloid pathology and reveals profound metabolic dysregulation of microglia. Molecular Neurodegeneration, 2022, 17, .	10.8	26
2154	Modulation of C5a–C5aR1 signaling alters the dynamics of AD progression. Journal of Neuroinflammation, 2022, 19, .	7.2	15
2155	Monocytic Subsets Impact Cerebral Cortex and Cognition: Differences Between Healthy Subjects and Patients With First-Episode Schizophrenia. Frontiers in Immunology, 0, 13, .	4.8	7
2156	An IL1RL1 genetic variant lowers soluble ST2 levels and the risk effects of APOE-ε4 in female patients with Alzheimer's disease. Nature Aging, 2022, 2, 616-634.	11.6	11
2158	Microglia coordinate cellular interactions during spinal cord repair in mice. Nature Communications, 2022, 13, .	12.8	61
2159	Single-cell analysis of the aging female mouse hypothalamus. Nature Aging, 2022, 2, 662-678.	11.6	35
2160	What Is the Role of Microglial Metabolism in Inflammation and Neurodegeneration?. Neurology, 2022, 99, 99-105.	1.1	1
2161	LncRNA, an Emerging Approach for Neurological Diseases Treatment by Regulating Microglia Polarization. Frontiers in Neuroscience, 0, 16, .	2.8	5
2162	A Novel Multifunctional 5,6-Dimethoxy-Indanone-Chalcone-Carbamate Hybrids Alleviates Cognitive Decline in Alzheimer's Disease by Dual Inhibition of Acetylcholinesterase and Inflammation. Frontiers in Aging Neuroscience, 0, 14, .	3.4	1

#	Article	IF	CITATIONS
2163	Spermidine reduces neuroinflammation and soluble amyloid beta in an Alzheimer's disease mouse model. Journal of Neuroinflammation, 2022, 19, .	7.2	31
2164	Melatonin ameliorates Parkinson's disease via regulating microglia polarization in a RORαâ€dependent pathway. Npj Parkinson's Disease, 2022, 8, .	5.3	13
2166	Sex-Related Microglial Perturbation Is Related to Mitochondrial Changes in a Model of Alzheimer's Disease. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	7
2167	Repopulated microglia induce expression of Cxcl13 with differential changes in Tau phosphorylation but do not impact amyloid pathology. Journal of Neuroinflammation, 2022, 19, .	7.2	7
2169	Immune Response at the Crossroads of Atherosclerosis and Alzheimer's Disease. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	5
2170	Lipid metabolism and storage in neuroglia: role in brain development and neurodegenerative diseases. Cell and Bioscience, 2022, 12, .	4.8	31
2171	Applications of singleâ€cell multiâ€omics sequencing in deep understanding of brain diseases. Clinical and Translational Discovery, 2022, 2, .	0.5	0
2172	Single transcription factor efficiently leads human induced pluripotent stem cells to functional microglia. Inflammation and Regeneration, 2022, 42, .	3.7	10
2173	Type-I-interferon signaling drives microglial dysfunction and senescence in human iPSC models of Down syndrome and Alzheimer's disease. Cell Stem Cell, 2022, 29, 1135-1153.e8.	11.1	45
2174	An overview on microglial origin, distribution, and phenotype in Alzheimer's disease. Journal of Cellular Physiology, 0, , .	4.1	3
2175	Profile of TREM2-Derived circRNA and mRNA Variants in the Entorhinal Cortex of Alzheimer's Disease Patients. International Journal of Molecular Sciences, 2022, 23, 7682.	4.1	6
2178	SARS-CoV-2 and the central nervous system: Emerging insights into hemorrhage-associated neurological consequences and therapeutic considerations. Ageing Research Reviews, 2022, 80, 101687.	10.9	9
2180	Targeting microglia–oligodendrocyte crosstalk in neurodegenerative and psychiatric disorders. Drug Discovery Today, 2022, 27, 2562-2573.	6.4	6
2181	<scp>TREM2</scp> â€induced activation of microglia contributes to synaptic integrity in cognitively intact aged individuals with Alzheimer's neuropathology. Brain Pathology, 2023, 33, .	4.1	18
2183	Reducing decoys focuses fighting microglia. Nature Aging, 0, , .	11.6	0
2184	The role of microglia immunometabolism in neurodegeneration: Focus on molecular determinants and metabolic intermediates of metabolic reprogramming. Biomedicine and Pharmacotherapy, 2022, 153, 113412.	5.6	12
2185	Targeting gut microbiota to alleviate neuroinflammation in Alzheimer's disease. Advanced Drug Delivery Reviews, 2022, 188, 114418.	13.7	16
2186	Transcriptomic and epigenomic landscapes of Alzheimer's disease evidence mitochondrial-related pathways. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119326.	4.1	14

#	Article	IF	CITATIONS
2187	Alzheimer diseases. , 2023, , 313-336.		3
2188	Review on the roles of specific cell-derived exosomes in Alzheimer's disease. Frontiers in Neuroscience, 0, 16, .	2.8	9
2189	Directed evolution of adeno-associated virus for efficient gene delivery to microglia. Nature Methods, 2022, 19, 976-985.	19.0	56
2190	Microglia-derived PDGFB promotes neuronal potassium currents to suppress basal sympathetic tonicity and limit hypertension. Immunity, 2022, 55, 1466-1482.e9.	14.3	20
2191	Targeted BACE-1 inhibition in microglia enhances amyloid clearance and improved cognitive performance. Science Advances, 2022, 8, .	10.3	23
2192	Therapeutic application of quercetin in aging-related diseases: SIRT1 as a potential mechanism. Frontiers in Immunology, 0, 13, .	4.8	91
2193	If amyloid drives Alzheimer disease, why have anti-amyloid therapies not yet slowed cognitive decline?. PLoS Biology, 2022, 20, e3001694.	5.6	67
2194	Quantitative Bioimaging of Microglial Response to Brain-Targeted Treatment Using Deep Learning Based Morphometry. Microscopy and Microanalysis, 2022, 28, 1422-1423.	0.4	0
2195	Activation of NLRP3 Is Required for a Functional and Beneficial Microglia Response after Brain Trauma. Pharmaceutics, 2022, 14, 1550.	4.5	8
2196	TREM2 macrophages induced by human lipids drive inflammation in acne lesions. Science Immunology, 2022, 7, .	11.9	37
2197	Senescence and its Effect on Aging and Dementia. Journal of Regenerative Biology and Medicine, 0, , .	0.0	0
2198	Hallmarks of neurodegenerative disease: A systems pharmacology perspective. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 1399-1429.	2.5	15
2199	Humulus japonicus attenuates LPS-and scopolamine-induced cognitive impairment in mice. Laboratory Animal Research, 2022, 38, .	2.5	1
2200	dsCellNet: A new computational tool to infer cell–cell communication networks in the developing and aging brain. Computational and Structural Biotechnology Journal, 2022, 20, 4072-4081.	4.1	1
2201	Deletion of Abi3/Gngt2 influences age-progressive amyloid β and tau pathologies in distinctive ways. Alzheimer's Research and Therapy, 2022, 14, .	6.2	6
2202	p38αâ€MAPKâ€deficient myeloid cells ameliorate symptoms and pathology of <scp>APP</scp> â€ŧransgenic Alzheimer's disease mice. Aging Cell, 2022, 21, .	6.7	9
2203	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, , .	7.9	7
2204	Heterozygous expression of the Alzheimer's disease-protective PLCγ2 P522R variant enhances Aβ clearance while preserving synapses. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	10

#	Article	IF	CITATIONS
2205	The emergence of the calvarial hematopoietic niche in health and disease. Immunological Reviews, 2022, 311, 26-38.	6.0	6
2206	Galectin-3 is elevated in CSF and is associated with Aβ deposits and tau aggregates in brain tissue in Alzheimer's disease. Acta Neuropathologica, 2022, 144, 843-859.	7.7	17
2207	Galectin-3, a rising star in modulating microglia activation under conditions of neurodegeneration. Cell Death and Disease, 2022, 13, .	6.3	21
2208	The past, present, and future of research on neuroinflammation-induced mild cognitive impairment: A bibliometric analysis. Frontiers in Aging Neuroscience, 0, 14, .	3.4	3
2209	Fine-tuning of microglia polarization prevents diabetes-associated cerebral atherosclerosis. Frontiers in Immunology, 0, 13, .	4.8	2
2210	Neuroinflammation in neurodegeneration via microbial infections. Frontiers in Immunology, 0, 13, .	4.8	15
2211	MhcII Regulates Transmission of α-Synuclein-Seeded Pathology in Mice. International Journal of Molecular Sciences, 2022, 23, 8175.	4.1	4
2214	CD33 isoforms in microglia and Alzheimer's disease: Friend and foe. Molecular Aspects of Medicine, 2023, 90, 101111.	6.4	18
2215	Novel potent liposome agonists of triggering receptor expressed on myeloid cells 2 phenocopy antibody treatment in cells. Glia, 2022, 70, 2290-2308.	4.9	6
2216	Treatment of Alzheimer's disease by promoting the aggregation of small β-amyloid peptides. Scientia Sinica Vitae, 2022, 52, 1184-1191.	0.3	2
2217	Functionalization strategies of polymeric nanoparticles for drug delivery in Alzheimer's disease: Current trends and future perspectives. Frontiers in Neuroscience, 0, 16, .	2.8	16
2218	Sirtuins promote brain homeostasis, preventing Alzheimer's disease through targeting neuroinflammation. Frontiers in Physiology, 0, 13, .	2.8	8
2219	Astrocytic and microglial cells as the modulators of neuroinflammation in Alzheimer's disease. Journal of Neuroinflammation, 2022, 19, .	7.2	80
2220	Dual ontogeny of disease-associated microglia and disease inflammatory macrophages in aging and neurodegeneration. Immunity, 2022, 55, 1448-1465.e6.	14.3	106
2222	Anti-inflammatory clearance of amyloid-β by a chimeric Gas6 fusion protein. Nature Medicine, 2022, 28, 1802-1812.	30.7	26
2223	Mitophagy initiates retrograde mitochondrial-nuclear signaling to guide retinal pigment cell heterogeneity. Autophagy, 2023, 19, 966-983.	9.1	19
2224	New insights into macrophage subsets in atherosclerosis. Journal of Molecular Medicine, 2022, 100, 1239-1251.	3.9	3
2225	When the infectious environment meets the AD brain. Molecular Neurodegeneration, 2022, 17, .	10.8	13

#	Article	IF	CITATIONS
2226	A CRISPRi/a platform in human iPSC-derived microglia uncovers regulators of disease states. Nature Neuroscience, 2022, 25, 1149-1162.	14.8	79
2227	Mitochondrial Damage-Associated Molecular Patterns Content in Extracellular Vesicles Promotes Early Inflammation in Neurodegenerative Disorders. Cells, 2022, 11, 2364.	4.1	15
2229	Modeling the early stages of Alzheimer's disease by administering intracerebroventricular injections of human native Al² oligomers to rats. Acta Neuropathologica Communications, 2022, 10, .	5.2	11
2230	Disease-associated oligodendrocyte responses across neurodegenerative diseases. Cell Reports, 2022, 40, 111189.	6.4	52
2231	Meso-seq for in-depth transcriptomics in ultra-low amounts of FACS-purified neuronal nuclei. Cell Reports Methods, 2022, 2, 100259.	2.9	1
2232	Circadian modulation of microglial physiological processes and immune responses. Glia, 2023, 71, 155-167.	4.9	10
2234	Profiling Microglia through Single-Cell RNA Sequencing over the Course of Development, Aging, and Disease. Cells, 2022, 11, 2383.	4.1	13
2236	Dynamics of monocyte-derived macrophage diversity in experimental myocardial infarction. Cardiovascular Research, 2023, 119, 772-785.	3.8	28
2237	Trained immunity: adaptation within innate immune mechanisms. Physiological Reviews, 2023, 103, 313-346	28.8	38
2238	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data. , 2022, , .		1
2238 2239	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data. , 2022, , . TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .	2.9	1
2238 2239 2240	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data., 2022, , .     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     C5aR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, .	2.9	1 0 14
2238 2239 2240 2241	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data., 2022, , .     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     C5aR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, .     Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.	2.9 5.2 14.3	1 0 14 33
2238 2239 2240 2241 2242	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data. , 2022, , .     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     C5aR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer〙s disease. Acta Neuropathologica Communications, 2022, 10, .     Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.     Microglial TYROBP/DAP12 in Alzheimer〙s disease: Transduction of physiological and pathological signals across TREM2. Molecular Neurodegeneration, 2022, 17, .	2.9 5.2 14.3 10.8	1 0 14 33
2238 2239 2240 2241 2242 2243	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data., 2022, ,.     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     C5aR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer〙s disease. Acta Neuropathologica Communications, 2022, 10, .     Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.     Microglial TYROBP/DAP12 in Alzheimer's disease: Transduction of physiological and pathological signals across TREM2. Molecular Neurodegeneration, 2022, 17, .     Focal-type, but not Diffuse-type, Amyloid Beta Plaques are Correlated with Alzheimer's Neuropathology, Cognitive Dysfunction, and Neuroinflammation in the Human Hippocampus. Neuroscience Bulletin, 2022, 38, 1125-1138.	2.9 5.2 14.3 10.8	1 0 14 33 36 8
2238 2239 2240 2241 2242 2243	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data. , 2022, , .     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     CSaR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, .     Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.     Microglial TYROBP/DAP12 in Alzheimer's disease: Transduction of physiological and pathological signals across TREM2. Molecular Neurodegeneration, 2022, 17, .     Focal-type, but not Diffuse-type, Amyloid Beta Plaques are Correlated with Alzheimer's Neuroscience Bulletin, 2022, 38, 1125-1138.     Multi-objective Optimization for Marker Panel Identification in Single-cell Data. , 2022,	2.9 5.2 14.3 10.8 2.9	1   0   14   33   36   8   2
2238 2239 2240 2241 2242 2243 2244	A Deep Learning Pipeline for the Automatic cell type Assignment of scRNA-seq Data., 2022, , .     TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neuroscience Bulletin, 0, , .     C5aR1 antagonism alters microglial polarization and mitigates disease progression in a mouse model of Alzheimer〙s disease. Acta Neuropathologica Communications, 2022, 10, .     Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.     Microglial TYROBP/DAP12 in Alzheimer〙s disease: Transduction of physiological and pathological signals across TREM2. Molecular Neurodegeneration, 2022, 17, .     Focal-type, but not Diffuse-type, Amyloid Beta Plaques are Correlated with Alzheimer〙s Neuroscience Bulletin, 2022, 38, 1125-1138.     Multi-objective Optimization for Marker Panel Identification in Single-cell Data., 2022, , .     Characteristics of plaque lipid-associated macrophages and their possible roles in the pathogenesis of atherosclerosis. Current Opinion in Lipidology, 2022, 33, 283-288.	2.9 5.2 14.3 10.8 2.9	1     0     14     33     36     8     2     16

#	Article	IF	CITATIONS
2247	All roads lead to heterogeneity: The complex involvement of astrocytes and microglia in the pathogenesis of Alzheimer's disease. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	10
2248	Microglia: Rheostats of space radiation effects in the CNS microenvironment. Life Sciences in Space Research, 2022, , .	2.3	0
2250	Aß Pathology and Neuron–Glia Interactions: A Synaptocentric View. Neurochemical Research, 2023, 48, 1026-1046.	3.3	12
2251	Association of B cell profile and receptor repertoire with the progression of Alzheimer's disease. Cell Reports, 2022, 40, 111391.	6.4	9
2252	Pathogenesis, therapeutic strategies and biomarker development based on "omics―analysis related to microglia in Alzheimer's disease. Journal of Neuroinflammation, 2022, 19, .	7.2	12
2253	Regulating microglial miR-155 transcriptional phenotype alleviates Alzheimer's-induced retinal vasculopathy by limiting Clec7a/Galectin-3+ neurodegenerative microglia. Acta Neuropathologica Communications, 2022, 10, .	5.2	12
2254	The heterogeneity of microglial activation and its epigenetic and non-coding RNA regulations in the immunopathogenesis of neurodegenerative diseases. Cellular and Molecular Life Sciences, 2022, 79, .	5.4	12
2255	Cell type-specific inference of differential expression in spatial transcriptomics. Nature Methods, 2022, 19, 1076-1087.	19.0	40
2256	How the immune system shapes neurodegenerative diseases. Trends in Neurosciences, 2022, 45, 733-748.	8.6	17
2257	Genome integrity and inflammation in the nervous system. DNA Repair, 2022, 119, 103406.	2.8	4
2258	The immune cell profile of the developing rat brain. Brain, Behavior, and Immunity, 2022, 106, 198-226.	4.1	2
2259	Functional phenotyping of microglia highlights the dark relationship between chronic traumatic brain injury and normal age-related pathology. Neural Regeneration Research, 2023, 18, 811.	3.0	3
2260	SCDF: A Novel Single-Cell Classification Method Based on Dimension-Reduced Data Fusion. Lecture Notes in Computer Science, 2022, , 196-206.	1.3	0
2261	Neurologic complications of coronavirus and other respiratory viral infections. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 331-358.	1.8	14
2262	Recent advances in high-throughput single-cell transcriptomics and spatial transcriptomics. Lab on A Chip, 2022, 22, 4774-4791.	6.0	14
2263	Emerging Roles of TREM2 in Neurodegenerative Diseases. , 2022, , 169-195.		0
2264	A photo-oxidation driven proximity labeling strategy enables profiling of mitochondrial proteome dynamics in living cells. Chemical Science, 2022, 13, 11943-11950.	7.4	8
2265	Motoneuron Diseases. Advances in Neurobiology, 2022, , 323-352.	1.8	0

#	Article	IF	CITATIONS
2266	NLRP3-Mediated Glutaminolysis Regulates Microglia in Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	1
2267	Redefining microglia states: Lessons and limits of human and mouse models to study microglia states in neurodegenerative diseases. Seminars in Immunology, 2022, 60, 101651.	5.6	7
2268	Hyalocyte functions and immunology. Expert Review of Ophthalmology, 2022, 17, 249-262.	0.6	6
2269	Connectome-based biophysics models of Alzheimer's disease diagnosis and prognosis. Translational Research, 2023, 254, 13-23.	5.0	1
2270	Sex and APOE Genotype Alter the Basal and Induced Inflammatory States of Primary Microglia from APOE Targeted Replacement Mice. International Journal of Molecular Sciences, 2022, 23, 9829.	4.1	6
2271	A TNF receptor 2 agonist ameliorates neuropathology and improves cognition in an Alzheimer's disease mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	22
2273	Intrathecal Injection of the Secretome from ALS Motor Neurons Regulated for miR-124 Expression Prevents Disease Outcomes in SOD1-G93A Mice. Biomedicines, 2022, 10, 2120.	3.2	3
2275	FTH1- and SAT1-Induced Astrocytic Ferroptosis Is Involved in Alzheimer's Disease: Evidence from Single-Cell Transcriptomic Analysis. Pharmaceuticals, 2022, 15, 1177.	3.8	15
2276	Elevating microglia TREM2 reduces amyloid seeding and suppresses disease-associated microglia. Journal of Experimental Medicine, 2022, 219, .	8.5	20
2277	Loss of Homeostatic Microglia Signature in Prion Diseases. Cells, 2022, 11, 2948.	4.1	3
2278	Microglial CD74 Expression Is Regulated by TGFÎ <sup>2</sup> Signaling. International Journal of Molecular Sciences, 2022, 23, 10247.	4.1	7
2279	Comparative analysis of transcriptome remodeling in plaque-associated and plaque-distant microglia during amyloid-1² pathology progression in mice. Journal of Neuroinflammation, 2022, 19, .	7.2	7
2280	Trem2 deletion enhances tau dispersion and pathology through microglia exosomes. Molecular Neurodegeneration, 2022, 17, .	10.8	35
2281	Microglial STAT1-sufficiency is required for resistance to toxoplasmic encephalitis. PLoS Pathogens, 2022, 18, e1010637.	4.7	6
2282	Single-cell RNA sequencing reveals the role of immune-related autophagy in spinal cord injury in rats. Frontiers in Immunology, 0, 13, .	4.8	0
2283	Prenatal immune stress blunts microglia reactivity, impairing neurocircuitry. Nature, 2022, 610, 327-334.	27.8	30
2286	A multifaceted evaluation of microgliosis and differential cellular dysregulation of mammalian target of rapamycin signaling in neuronopathic Gaucher disease. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	4
2287	Inflammasome activation in traumatic brain injury and Alzheimer's disease. Translational Research, 2023, 254, 1-12.	5.0	17

#	Article	IF	CITATIONS
2289	Decoding liver fibrogenesis with single-cell technologies. , 2022, 1, 333-344.		8
2290	Single cell atlas of spinal cord injury in mice reveals a pro-regenerative signature in spinocerebellar neurons. Nature Communications, 2022, 13, .	12.8	26
2291	Regulation of microglial physiology by the microbiota. Gut Microbes, 2022, 14, .	9.8	14
2293	Evaluation of cannabinoid type 2 receptor expression and pyridine-based radiotracers in brains from a mouse model of Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 14, .	3.4	7
2294	Single cell RNA sequencing confirms retinal microglia activation associated with early onset retinal degeneration. Scientific Reports, 2022, 12, .	3.3	6
2295	Genetic targeting or pharmacological inhibition of galectin-3 dampens microglia reactivity and delays retinal degeneration. Journal of Neuroinflammation, 2022, 19, .	7.2	12
2296	Direct modulation of microglial function by electrical field. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	8
2297	Identification and Quantitation of Novel ABI3 Isoforms Relative to Alzheimer's Disease Genetics and Neuropathology. Genes, 2022, 13, 1607.	2.4	3
2298	Innate immune activation: Parallels in alcohol use disorder and Alzheimer's disease. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	8
2299	Senescent Phenotype of Astrocytes Leads to Activation of BV2 Microglia and N2a Neuronal Cells Death. Molecules, 2022, 27, 5925.	3.8	0
2300	Rejuvenation of the aged brain immune cell landscape in mice through p16-positive senescent cell clearance. Nature Communications, 2022, 13, .	12.8	34
2301	Advanced therapeutic strategies targeting microglia: beyond neuroinflammation. Archives of Pharmacal Research, 2022, 45, 618-630.	6.3	6
2303	Building in vitro models of the brain to understand the role of <i>APOE</i> in Alzheimer's disease. Life Science Alliance, 2022, 5, e202201542.	2.8	2
2304	Upstream lipid and metabolic systems are potential causes of Alzheimer's disease, Parkinson's disease and dementias. FEBS Journal, 2024, 291, 632-645.	4.7	8
2305	cGAS/STING and innate brain inflammation following acute high-fat feeding. Frontiers in Immunology, 0, 13, .	4.8	12
2306	Neurons burdened by DNA double-strand breaks incite microglia activation through antiviral-like signaling in neurodegeneration. Science Advances, 2022, 8, .	10.3	30
2307	Aberrant energy metabolism in Alzheimer's disease. Journal of Translational Internal Medicine, 2022, 10, 197-206.	2.5	12
2308	The multiple faces of extracellular vesicles released by microglia: Where are we 10 years after?. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	13

		CITATION RE	PORT	
#	Article		IF	CITATIONS
2309	Age-dependent microglial disease phenotype results in functional decline in gut macro	phages. , 2022, , .		0
2311	Novel Anti-Neuroinflammatory Properties of a Thiosemicarbazone–Pyridylhydrazone Complex. International Journal of Molecular Sciences, 2022, 23, 10722.	Copper(II)	4.1	5
2312	Roles of Siglecs in neurodegenerative diseases. Molecular Aspects of Medicine, 2023, 9	90, 101141.	6.4	7
2313	The single-cell landscape of kidney immune cells reveals transcriptional heterogeneity i diabetic kidney disease. Kidney International, 2022, 102, 1291-1304.	n early	5.2	20
2314	CSF1R-Mediated Myeloid Cell Depletion Prolongs Lifespan But Aggravates Distinct Mo a Model of Multiple System Atrophy. Journal of Neuroscience, 2022, 42, 7673-7688.	tor Symptoms in	3.6	2
2315	Ultrastructural characterization of dark microglia during aging in a mouse model of Alz disease pathology and in human post-mortem brain samples. Journal of Neuroinflamma	heimer's ation, 2022, 19, .	7.2	18
2316	APOE in the bullseye of neurodegenerative diseases: impact of the APOE genotype in A pathology and brain diseases. Molecular Neurodegeneration, 2022, 17, .	lzheimer's disease	10.8	62
2317	Loss of forebrain BIN1 attenuates hippocampal pathology and neuroinflammation in a model. Brain, 2023, 146, 1561-1579.	tauopathy	7.6	12
2318	SARS-CoV-2 promotes microglial synapse elimination in human brain organoids. Molect 2022, 27, 3939-3950.	ular Psychiatry,	7.9	41
2319	Alzheimer's disease-related transcriptional sex differences in myeloid cells. Journal o Neuroinflammation, 2022, 19, .	of	7.2	20
2320	Microglial hexokinase 2 deficiency increases ATP generation through lipid metabolism l β-amyloid clearance. Nature Metabolism, 2022, 4, 1287-1305.	eading to	11.9	31
2321	Targeting the cannabinoid system to counteract the deleterious effects of stress in Alz disease. Frontiers in Aging Neuroscience, 0, 14, .	heimer's	3.4	2
2322	Therapeutic non-invasive brain treatments in Alzheimer's disease: recent advances Inflammation and Regeneration, 2022, 42, .	and challenges.	3.7	20
2323	Microglial autophagy in cerebrovascular diseases. Frontiers in Aging Neuroscience, 0, 1	4, .	3.4	1
2326	The neurobiology of long COVID. Neuron, 2022, 110, 3484-3496.		8.1	137
2327	Single-cell transcriptomics reveals functionally specialized vascular endothelium in brai	n. ELife, 0, 11,	6.0	32
2329	Uncovering mechanisms of brain inflammation in Alzheimer's disease with <i>APOE4<!--<br-->of single cellâ€ŧype lipidomics. Annals of the New York Academy of Sciences, 2022, 15</i>	'i>: Application 18, 84-105.	3.8	3
2330	Integrated single-cell analysis-based classification of vascular mononuclear phagocytes human atherosclerosis. Cardiovascular Research, 2023, 119, 1676-1689.	in mouse and	3.8	31

#	Article	IF	CITATIONS
2331	Early death in a mouse model of Alzheimer's disease exacerbated by microglial loss of TAM receptor signaling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
2332	Remyelinating strategies: What can be learned from normal brain development. Current Opinion in Pharmacology, 2022, 67, 102290.	3.5	0
2333	The Alzheimer's Cell Atlas (TACA): A singleâ€cell molecular map for translational therapeutics accelerator in Alzheimer's disease. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	3.7	8
2334	Vascular and Nonvascular Mechanisms of Cognitive Impairment and Dementia. Clinics in Geriatric Medicine, 2023, 39, 109-122.	2.6	8
2335	CD8+ T cells induce interferon-responsive oligodendrocytes and microglia in white matter aging. Nature Neuroscience, 2022, 25, 1446-1457.	14.8	56
2336	White Blood Cell and Platelet Counts Are Not Suitable as Biomarkers in the Differential Diagnostics of Dementia. Brain Sciences, 2022, 12, 1424.	2.3	5
2337	APOE ε4-dependent effects on the early amyloid pathology in induced neuronsÂof patients with Alzheimer's disease. Translational Neurodegeneration, 2022, 11, .	8.0	5
2338	Microglia have limited influence on early prion pathogenesis, clearance, or replication. PLoS ONE, 2022, 17, e0276850.	2.5	2
2339	Targeting tumor-associated macrophages for the immunotherapy of glioblastoma: Navigating the clinical and translational landscape. Frontiers in Immunology, 0, 13, .	4.8	5
2340	Differential plasticity and fate of brain-resident and recruited macrophages during the onset and resolution of neuroinflammation. Immunity, 2022, 55, 2085-2102.e9.	14.3	40
2342	Constitutively active STING causes neuroinflammation and degeneration of dopaminergic neurons in mice. ELife, 0, 11, .	6.0	17
2343	Chronic TREM2 activation exacerbates Aβ-associated tau seeding and spreading. Journal of Experimental Medicine, 2023, 220, .	8.5	43
2344	Citrate shuttling in astrocytes is required for processing cocaine-induced neuron-derived excess peroxidated fatty acids. IScience, 2022, 25, 105407.	4.1	0
2345	Neuronal CaMKK2 promotes immunosuppression and checkpoint blockade resistance in glioblastoma. Nature Communications, 2022, 13, .	12.8	11
2346	SPASCER: spatial transcriptomics annotation at single-cell resolution. Nucleic Acids Research, 2023, 51, D1138-D1149.	14.5	11
2347	A mouse model of hepatic encephalopathy: bile duct ligation induces brain ammonia overload, glial cell activation and neuroinflammation. Scientific Reports, 2022, 12, .	3.3	14
2348	Role of TREM2 in the Development of Neurodegenerative Diseases After Traumatic Brain Injury. Molecular Neurobiology, 2023, 60, 342-354.	4.0	6
2349	Dysfunctional microglia and tau pathology in Alzheimer's disease. Reviews in the Neurosciences, 2023, 34, 443-458.	2.9	8
# 2350	ARTICLE Microglia are SYK of AÎ <sup>2</sup> and cell debris. Cell, 2022, 185, 4043-4045.	IF 28.9	CITATIONS 2
-----------	---	------------	----------------
2351	Towards a definition of microglia heterogeneity. Communications Biology, 2022, 5, .	4.4	9
2352	Necroptosis: A Pathogenic Negotiator in Human Diseases. International Journal of Molecular Sciences, 2022, 23, 12714.	4.1	22
2354	Multi-Omic analyses characterize the ceramide/sphingomyelin pathway as a therapeutic target in Alzheimer's disease. Communications Biology, 2022, 5, .	4.4	21
2355	SYK coordinates neuroprotective microglial responses in neurodegenerative disease. Cell, 2022, 185, 4135-4152.e22.	28.9	79
2356	Alzheimer's Disease: From Immune Homeostasis to Neuroinflammatory Condition. International Journal of Molecular Sciences, 2022, 23, 13008.	4.1	13
2357	The Link between Oxidative Stress, Mitochondrial Dysfunction and Neuroinflammation in the Pathophysiology of Alzheimer's Disease: Therapeutic Implications and Future Perspectives. Antioxidants, 2022, 11, 2167.	5.1	17
2359	Different phenotypes of microglia in animal models of Alzheimer disease. Immunity and Ageing, 2022, 19, .	4.2	11
2360	Association of Glial Activation and α-Synuclein Pathology in Parkinson's Disease. Neuroscience Bulletin, 2023, 39, 479-490.	2.9	11
2361	Mapping brain gene coexpression in daytime transcriptomes unveils diurnal molecular networks and deciphers perturbation gene signatures. Neuron, 2022, 110, 3318-3338.e9.	8.1	8
2362	TREM2 drives microglia response to amyloid-β via SYK-dependent and -independent pathways. Cell, 2022, 185, 4153-4169.e19.	28.9	92
2363	Myelin repair in Alzheimer's disease: a review of biological pathways and potential therapeutics. Translational Neurodegeneration, 2022, 11, .	8.0	14
2364	The Hidden Role of Non-Canonical Amyloid β Isoforms in Alzheimer's Disease. Cells, 2022, 11, 3421.	4.1	3
2365	Gossypetin ameliorates 5xFAD spatial learning and memory through enhanced phagocytosis against Aβ. Alzheimer's Research and Therapy, 2022, 14, .	6.2	3
2366	Single-cell and single-nuclei RNA sequencing as powerful tools to decipher cellular heterogeneity and dysregulation in neurodegenerative diseases. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	15
2367	Association between air pollution and <scp>CSF sTREM2</scp> in cognitively normal older adults: The <scp>CABLE</scp> study. Annals of Clinical and Translational Neurology, 2022, 9, 1752-1763.	3.7	2
2369	Single-cell transcriptome analyses reveal microglia types associated with proliferative retinopathy. JCI Insight, 2022, 7, .	5.0	14
2370	Neuroinflammation of microglia polarization in intracerebral hemorrhage and its potential targets for intervention. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	8

#	Article	IF	CITATIONS
2371	Siponimod Modulates the Reaction of Microglial Cells to Pro-Inflammatory Stimulation. International Journal of Molecular Sciences, 2022, 23, 13278.	4.1	3
2372	The industrial genomic revolution: A new era in neuroimmunology. Neuron, 2022, 110, 3429-3443.	8.1	2
2373	A single-cell transcriptome atlas of glial diversity in the human hippocampus across the postnatal lifespan. Cell Stem Cell, 2022, 29, 1594-1610.e8.	11.1	17
2374	Zebrafish Galectin 3 binding protein is the target antigen of the microglial 4C4 monoclonal antibody. Developmental Dynamics, 2023, 252, 400-414.	1.8	11
2375	Prostaglandin PGE2 Receptor EP4 Regulates Microglial Phagocytosis and Increases Susceptibility to Diet-Induced Obesity. Diabetes, 2023, 72, 233-244.	0.6	7
2376	Neurodegeneration Markers Galectin-3 and Apolipoprotein E Are Elevated in the Aqueous Humor of Eyes With Glaucoma. Translational Vision Science and Technology, 2022, 11, 1.	2.2	2
2377	Preliminary Study on Natural Killer Cell Activity for Interferon-Gamma Production after Gamma Knife Radiosurgery for Brain Tumors. Journal of Korean Neurosurgical Society, 2022, 65, 861-867.	1.2	0
2378	The CNS mononuclear phagocyte system in health and disease. Neuron, 2022, 110, 3497-3512.	8.1	16
2379	Microglia states and nomenclature: A field at its crossroads. Neuron, 2022, 110, 3458-3483.	8.1	459
2380	Microglial efferocytosis: Diving into the Alzheimer's disease gene pool. Neuron, 2022, 110, 3513-3533.	8.1	33
2381	Tools for studying human microglia: In vitro and in vivo strategies. Brain, Behavior, and Immunity, 2023, 107, 369-382.	4.1	7
2382	Immunosenescence and Aging: Neuroinflammation Is a Prominent Feature of Alzheimer's Disease and Is a Likely Contributor to Neurodegenerative Disease Pathogenesis. Journal of Personalized Medicine, 2022, 12, 1817.	2.5	7
2383	CNS remyelination and inflammation: From basic mechanisms to therapeutic opportunities. Neuron, 2022, 110, 3549-3565.	8.1	31
2384	The Missing Piece? A Case for Microglia's Prominent Role in the Therapeutic Action of Anesthetics, Ketamine, and Psychedelics. Neurochemical Research, 2023, 48, 1129-1166.	3.3	8
2386	Triggering receptor expressed on myeloid cells 2 deficiency exacerbates injury-induced inflammation in a mouse model of tauopathy. Frontiers in Immunology, 0, 13, .	4.8	2
2387	The effects and potential of microglial polarization and crosstalk with other cells of the central nervous system in the treatment of Alzheimer's disease. Neural Regeneration Research, 2023, 18, 947.	3.0	6
2388	Fluid biomarkers in Alzheimer's disease. Advances in Clinical Chemistry, 2023, , 249-281.	3.7	7
2389	Microglia contribute to the autonomic function and participate in neurogenic hypertension: non-immune function of central immune cells. Scientia Sinica Vitae, 2022, 52, 1773-1784.	0.3	1

# 2390	ARTICLE Manipulation of the diet–microbiota–brain axis in Alzheimer's disease. Frontiers in Neuroscience, 0, 16, .	IF 2.8	CITATIONS 5
2392	Singleâ€cell <scp>RNA</scp> sequencing for traumatic spinal cord injury. FASEB Journal, 2022, 36, .	0.5	5
2393	Long COVID—Will It Never End?. Topics in Pain Management, 2022, 38, 1-8.	0.0	0
2394	Morphine suppresses peripheral responses and transforms brain myeloid gene expression to favor neuropathogenesis in SIV infection. Frontiers in Immunology, 0, 13, .	4.8	4
2395	Microglia dynamics in aging-related neurobehavioral and neuroinflammatory diseases. Journal of Neuroinflammation, 2022, 19, .	7.2	22
2397	Macrophages in health and disease. Cell, 2022, 185, 4259-4279.	28.9	123
2398	Single-cell spatial proteomic imaging for human neuropathology. Acta Neuropathologica Communications, 2022, 10, .	5.2	11
2399	Microglial Piezo1 senses Aβ fibril stiffness to restrict Alzheimer's disease. Neuron, 2023, 111, 15-29.e8.	8.1	37
2400	Microglia and astrocyte activation is regionâ€dependent in the αâ€synuclein mouse model of Parkinson's disease. Glia, 2023, 71, 571-587.	4.9	14
2401	Microglial Dysfunction in Neurodegenerative Diseases via RIPK1 and ROS. Antioxidants, 2022, 11, 2201.	5.1	3
2404	Trem2 deficiency impairs recovery and phagocytosis and dysregulates myeloid gene expression during virus-induced demyelination. Journal of Neuroinflammation, 2022, 19, .	7.2	5
2405	ApoE in Alzheimer's disease: pathophysiology and therapeutic strategies. Molecular Neurodegeneration, 2022, 17, .	10.8	97
2406	Parenchymal border macrophages regulate the flow dynamics of the cerebrospinal fluid. Nature, 2022, 611, 585-593.	27.8	82
2407	TREM2-independent microgliosis promotes tau-mediated neurodegeneration in the presence of ApoE4. Neuron, 2023, 111, 202-219.e7.	8.1	29
2409	Recent Nanoscale Carriers for Therapy of Alzheimer's Disease: Current Strategies and Perspectives. Current Medicinal Chemistry, 2023, 30, 3743-3774.	2.4	3
2410	Novel insights into the origin and development of CNS macrophage subsets. Clinical and Translational Medicine, 2022, 12, .	4.0	2
2411	A prebiotic diet modulates microglial states and motor deficits in α-synuclein overexpressing mice. ELife, 0, 11, .	6.0	18
2412	Characterizing microglial gene expression in a model of secondary progressive multiple sclerosis. Glia, 0, , .	4.9	4

#	Article	IF	CITATIONS
2413	The X factor in neurodegeneration. Journal of Experimental Medicine, 2022, 219, .	8.5	10
2414	Interleukin-33 regulates the functional state of microglia. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	3
2415	Recent topics regarding macrophage in the central nervous system. Journal of Biochemistry, 0, , .	1.7	1
2416	Single cell profiling of CD45+ spinal cord cells reveals microglial and B cell heterogeneity and crosstalk following spinal cord injury. Journal of Neuroinflammation, 2022, 19, .	7.2	3
2418	Systemic innate myeloid responses to acute ischaemic and haemorrhagic stroke. Seminars in Immunopathology, 2023, 45, 281-294.	6.1	5
2421	Neuronal nuclear calcium signaling suppression of microglial reactivity is mediated by osteoprotegerin after traumatic brain injury. Journal of Neuroinflammation, 2022, 19, .	7.2	3
2422	Towards elucidating disease-relevant states of neurons and glia by CRISPR-based functional genomics. Genome Medicine, 2022, 14, .	8.2	1
2423	Gut microbiota, pathogenic proteins and neurodegenerative diseases. Frontiers in Microbiology, 0, 13, .	3.5	5
2424	Microglia in Human Postmortem Brain Samples: Quantitative Ultrastructural Analysis of Scanning Electron Microscopy Images. Methods in Molecular Biology, 2023, , 63-85.	0.9	1
2425	Isolation of Human Microglia from Neuropathologically Diagnosed Cases in the Single-Cell Era. Methods in Molecular Biology, 2023, , 43-62.	0.9	2
2426	Adoptive therapy with amyloid-β specific regulatory T cells alleviates Alzheimer's disease. Theranostics, 2022, 12, 7668-7680.	10.0	13
2427	The metal ion hypothesis of Alzheimer's disease and the anti-neuroinflammatory effect of metal chelators. Bioorganic Chemistry, 2023, 131, 106301.	4.1	35
2428	Î-opioid Receptor, Microglia and Neuroinflammation. , 2023, 14, 778.		4
2429	Neuroglia Cells Transcriptomic in Brain Development, Aging and Neurodegenerative Diseases. , 2023, 14, 63.		5
2430	Impact of Aβ40 and Aβ42 Fibrils on the Transcriptome of Primary Astrocytes and Microglia. Biomedicines, 2022, 10, 2982.	3.2	2
2431	Brain sex-dependent alterations after prolonged high fat diet exposure in mice. Communications Biology, 2022, 5, .	4.4	1
2432	New Insights into Microglial Mechanisms of Memory Impairment in Alzheimer's Disease. Biomolecules, 2022, 12, 1722.	4.0	9
2433	Microglial heterogeneity in amyotrophic lateral sclerosis. Journal of Neuropathology and Experimental Neurology, 2023, 82, 140-149.	1.7	6

#	Article	IF	CITATIONS
2434	A Review of the Recent Advances in Alzheimer's Disease Research and the Utilization of Network Biology Approaches for Prioritizing Diagnostics and Therapeutics. Diagnostics, 2022, 12, 2975.	2.6	5
2435	Gender differences in Alzheimer's may be associated with TLR4‣YN expression in damage associated microglia and neuronal phagocytosis. Journal of Cellular Physiology, 0, , .	4.1	2
2436	Microglial activation protects against accumulation of tau aggregates in nondemented individuals with underlying Alzheimer's disease pathology. Nature Aging, 2022, 2, 1138-1144.	11.6	19
2437	More than meets the eye: The role of microglia in healthy and diseased retina. Frontiers in Immunology, 0, 13, .	4.8	12
2438	The Key Drivers of Brain Injury by Systemic Inflammatory Responses after Sepsis: Microglia and Neuroinflammation. Molecular Neurobiology, 2023, 60, 1369-1390.	4.0	15
2439	Interpretable deep learning translation of GWAS and multi-omics findings to identify pathobiology and drug repurposing in Alzheimer's disease. Cell Reports, 2022, 41, 111717.	6.4	20
2440	Puerariae lobatae Radix Alleviates Pre-Eclampsia by Remodeling Gut Microbiota and Protecting the Gut and Placental Barriers. Nutrients, 2022, 14, 5025.	4.1	3
2441	Plaque contact and unimpaired Trem2 is required for the microglial response to amyloid pathology. Cell Reports, 2022, 41, 111686.	6.4	10
2442	Opposing effects of apoE2 and apoE4 on microglial activation and lipid metabolism in response to demyelination. Molecular Neurodegeneration, 2022, 17, .	10.8	14
2443	Cell type-specific changes identified by single-cell transcriptomics in Alzheimer's disease. Genome Medicine, 2022, 14, .	8.2	14
2445	Microglial <i>INPP5D</i> limits plaque formation and glial reactivity in the PSAPP mouse model of Alzheimer's disease. Alzheimer's and Dementia, 2023, 19, 2239-2252.	0.8	25
2446	The Role of Caspases in Alzheimer's Disease: Pathophysiology Implications and Pharmacologic Modulation. Journal of Alzheimer's Disease, 2022, , 1-20.	2.6	3
2447	The Contribution of the Locus Coeruleus–Noradrenaline System Degeneration during the Progression of Alzheimer's Disease. Biology, 2022, 11, 1822.	2.8	9
2448	The Strategies for Treating "Alzheimer's Disease― Insulin Signaling May Be a Feasible Target. Current Issues in Molecular Biology, 2022, 44, 6172-6188.	2.4	5
2449	Integrative transcriptomic analysis of the amyotrophic lateral sclerosis spinal cord implicates glial activation and suggests new risk genes. Nature Neuroscience, 2023, 26, 150-162.	14.8	37
2451	Amyloid-β in Alzheimer's disease – front and centre after all?. Neuronal Signaling, 2023, 7, .	3.2	9
2452	<scp>APOE2</scp> Exacerbates <scp>TDP</scp> â€43 Related Toxicity in the Absence of Alzheimer Pathology. Annals of Neurology, 2023, 93, 830-843.	5.3	0
2453	Inflammation promotes synucleinopathy propagation. Experimental and Molecular Medicine, 2022, 54, 2148-2161.	7.7	12

		CITATION REPORT		
#	Article		IF	CITATIONS
2455	Synaptic degeneration in Alzheimer disease. Nature Reviews Neurology, 2023, 19, 19-3	38.	10.1	84
2456	Osteopontin (OPN)/SPP1: from its biochemistry to biological functions in the innate im and the central nervous system (CNS). International Immunology, 2023, 35, 171-180.	nmune system	4.0	13
2457	Microglial Pten safeguards postnatal integrity of the cortex and sociability. Frontiers in 0, 13, .	Immunology,	4.8	1
2458	Neutrophil dynamics and inflammaging in acute ischemic stroke: A transcriptomic revie Aging Neuroscience, 0, 14, .	ew. Frontiers in	3.4	3
2459	Glial Contributions to Lafora Disease: A Systematic Review. Biomedicines, 2022, 10, 31	.03.	3.2	0
2460	Identification and Prioritization of PET Neuroimaging Targets for Microglial Phenotypes with Microglial Activity in Alzheimer's Disease. ACS Chemical Neuroscience, 2022,	Associated 13, 3641-3660.	3.5	3
2461	Inflammatory role of microglia in brain injury caused by subarachnoid hemorrhage. Fro Cellular Neuroscience, 0, 16, .	ntiers in	3.7	9
2462	Overview of the meningeal lymphatic vessels in aging and central nervous system disor Bioscience, 2022, 12, .	rders. Cell and	4.8	8
2463	Integration of scATAC-Seq with scRNA-Seq Data. Methods in Molecular Biology, 2023,	, 293-310.	0.9	4
2464	TREM2 activation alleviates neural damage via Akt/CREB/BDNF signalling after traumat mice. Journal of Neuroinflammation, 2022, 19, .	ic brain injury in	7.2	29
2465	Movers and shakers: Microglial dynamics and modulation of neural networks. Clia, 202	.3, 71, 1575-1591.	4.9	13
2466	Metabolic Reprogramming of Microglia in Sepsis-Associated Encephalopathy: Insights f Neuroinflammation. Current Neuropharmacology, 2023, 21, 1992-2005.	rom	2.9	1
2468	Microglia and Cholesterol Handling: Implications for Alzheimer's Disease. Biomedic	ines, 2022, 10, 3105.	3.2	8
2469	Identification of immune microenvironment subtypes and signature genes for Alzheimo diagnosis and risk prediction based on explainable machine learning. Frontiers in Immu	er's disease nology, 0, 13, .	4.8	16
2470	Graph-based autoencoder integrates spatial transcriptomics with chromatin images an joint biomarkers for Alzheimer's disease. Nature Communications, 2022, 13, .	d identifies	12.8	14
2471	Integrating transcriptomic datasets across neurological disease identifies unique myelo subpopulations driving diseaseâ€specific signatures. Glia, 2023, 71, 904-925.	þid	4.9	6
2472	Hepatic <scp>TREM2</scp> <sup>+</sup> macrophages express matrix metalloproteir fibrotic scar formation. Immunology and Cell Biology, 2023, 101, 216-230.	nases to control	2.3	4
2473	Structural and functional distinctions of co-resident microglia and monocyte-derived m after retinal degeneration. Journal of Neuroinflammation, 2022, 19, .	acrophages	7.2	5

#	Article	IF	CITATIONS
2474	Single-cell microglial transcriptomics during demyelination defines a microglial state required for lytic carcass clearance. Molecular Neurodegeneration, 2022, 17, .	10.8	8
2477	Pyroptosis in Alzheimer's disease: cell type-specific activation in microglia, astrocytes and neurons. Acta Neuropathologica, 2023, 145, 175-195.	7.7	40
2478	Impact of the Human Cell Atlas on medicine. Nature Medicine, 2022, 28, 2486-2496.	30.7	59
2479	Alzheimer's diseaseâ€associated <scp>R47H TREM2</scp> increases, but wildâ€type <scp>TREM2</scp> decreases, microglial phagocytosis of synaptosomes and neuronal loss. Glia, 2023, 71, 974-990.	4.9	8
2480	Integrated single-cell transcriptomics of cerebrospinal fluid cells in treatment-naÃ <sup>-</sup> ve multiple sclerosis. Journal of Neuroinflammation, 2022, 19, .	7.2	2
2481	Amyloid-beta and tau pathologies act synergistically to induce novel disease stage-specific microglia subtypes. Molecular Neurodegeneration, 2022, 17, .	10.8	16
2482	Re-Analysis of Single-Nucleus Transcriptomics Reveals Diverse Dorsal Root Ganglia Macrophage Responses Following Peripheral Nerve Injury. Biomedicines, 2022, 10, 3295.	3.2	3
2483	Brain borders at the central stage of neuroimmunology. Nature, 2022, 612, 417-429.	27.8	53
2484	The immune landscape of high-grade brain tumor after treatment with immune checkpoint blockade. Frontiers in Immunology, 0, 13, .	4.8	2
2485	Aged lipidâ€ <b>l</b> aden microglia display impaired responses to stroke. EMBO Molecular Medicine, 2023, 15, .	6.9	22
2486	Spatially resolved transcriptomics reveals genes associated with the vulnerability of middle temporal gyrus in Alzheimer's disease. Acta Neuropathologica Communications, 2022, 10, .	5.2	23
2487	T cells modulate the microglial response to brain ischemia. ELife, 0, 11, .	6.0	15
2488	TREM2 dependent and independent functions of microglia in Alzheimer's disease. Molecular Neurodegeneration, 2022, 17, .	10.8	25
2489	<i>INPP5D</i> deficiency attenuates amyloid pathology in a mouse model of Alzheimer's disease. Alzheimer's and Dementia, 2023, 19, 2528-2537.	0.8	19
2490	Disease modeling using human induced pluripotent stem cell-derived microglia and region-specific neurons. Folia Pharmacologica Japonica, 2023, 158, 52-56.	0.2	1
2491	Microglial Activation and Priming in Alzheimer's Disease: State of the Art and Future Perspectives. International Journal of Molecular Sciences, 2023, 24, 884.	4.1	12
2492	TREM2 has a significant, gender-specific, effect on human obesity. Scientific Reports, 2023, 13, .	3.3	6
2493	CSF1R inhibitors induce a sex-specific resilient microglial phenotype and functional rescue in a tauopathy mouse model. Nature Communications, 2023, 14, .	12.8	10

#	Article	IF	CITATIONS
2494	Microglia rely on SYK signalling to mount neuroprotective responses in models of Alzheimer's disease and multiple sclerosis. Clinical and Translational Medicine, 2023, 13, .	4.0	5
2495	Analysis of AÎ <sup>2</sup> -induced neurotoxicity and microglial responses in simple two- and three-dimensional human iPSC-derived cortical culture systems. Tissue and Cell, 2023, 81, 102023.	2.2	2
2496	Alzheimer's disease and synapse Loss: What can we learn from induced pluripotent stem Cells?. Journal of Advanced Research, 2023, 54, 105-118.	9.5	5
2497	Role of the caspase-8/RIPK3 axis in Alzheimer's disease pathogenesis and Aβ-induced NLRP3 inflammasome activation. JCI Insight, 2023, 8, .	5.0	12
2498	Molecular and spatial signatures of mouse brain aging at single-cell resolution. Cell, 2023, 186, 194-208.e18.	28.9	79
2499	Specialized functions and sexual dimorphism explain the functional diversity of the myeloid populations during glioma progression. Cell Reports, 2023, 42, 111971.	6.4	4
2500	Knowledge domains and emerging trends of microglia research from 2002 to 2021: A bibliometric analysis and visualization study. Frontiers in Aging Neuroscience, 0, 14, .	3.4	2
2501	scGMAAE: Gaussian mixture adversarial autoencoders for diversification analysis of scRNA-seq data. Briefings in Bioinformatics, 2023, 24, .	6.5	4
2502	Insights into Alzheimer's disease from single-cell genomic approaches. Nature Neuroscience, 2023, 26, 181-195.	14.8	39
2503	Cell type-specific histone acetylation profiling of Alzheimer's disease subjects and integration with genetics. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	6
2504	<scp>sTREM2</scp> is associated with amyloidâ€related pâ€tau increases and glucose hypermetabolism in Alzheimer's disease. EMBO Molecular Medicine, 2023, 15, .	6.9	13
2505	Characterization of microglia behaviour in healthy and pathological conditions with image analysis tools. Open Biology, 2023, 13, .	3.6	9
2506	Microglial Expression of the Wnt Signaling Modulator <i>DKK2</i> Differs between Human Alzheimer's Disease Brains and Mouse Neurodegeneration Models. ENeuro, 2023, 10, ENEURO.0306-22.2022.	1.9	6
2507	Aldehyde dehydrogenase in solid tumors and other diseases: Potential biomarkers and therapeutic targets. MedComm, 2023, 4, .	7.2	9
2508	Early Mitochondrial Defects in the 5xFAD Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2023, , 1-16.	2.6	1
2509	Microglia drive transient insult-induced brain injury by chemotactic recruitment of CD8+ T lymphocytes. Neuron, 2023, 111, 696-710.e9.	8.1	25
2510	LilrB3 is a putative cell surface receptor of APOE4. Cell Research, 2023, 33, 116-130.	12.0	10
2511	Novel Microglia-based Therapeutic Approaches to Neurodegenerative Disorders. Neuroscience Bulletin, 2023, 39, 491-502.	2.9	11

#	Article	IF	CITATIONS
2512	Molecular subtypes of ALS are associated with differences in patient prognosis. Nature Communications, 2023, 14, .	12.8	17
2513	Engineering mighty microglia. Journal of Experimental Medicine, 2023, 220, .	8.5	0
2514	Antidepressants as a potential candidate to reduce microglia activation in neurodegenerative diseases. A systematic review and meta-analysis of preclinical studies. Journal of Affective Disorders Reports, 2023, 11, 100465.	1.7	0
2516	A TREM2-activating antibody with a blood–brain barrier transport vehicle enhances microglial metabolism in Alzheimer's disease models. Nature Neuroscience, 0, , .	14.8	18
2517	Alterations in immune cell heterogeneities in the brain of aged zebrafish using single-cell resolution. Science China Life Sciences, 2023, 66, 1358-1378.	4.9	1
2518	Combating the Sustained Inflammation Involved in Aging and Neurodegenerative Diseases with Probiotics. Healthy Ageing and Longevity, 2023, , 193-213.	0.2	0
2519	TREM2 signalling as a multifaceted player in brain homoeostasis and a potential target for Alzheimer's disease treatment. European Journal of Neuroscience, 2023, 57, 718-733.	2.6	5
2520	3D in vitro modelling of human patient microglia: A focus on clinical translation and drug development in neurodegenerative diseases. Journal of Neuroimmunology, 2023, 375, 578017.	2.3	1
2521	S-adenosylmethionine improves cognitive impairment in D-galactose-induced brain aging by inhibiting oxidative stress and neuroinflammation. Journal of Chemical Neuroanatomy, 2023, 128, 102232.	2.1	4
2522	Microglial subpopulations with distinct transcriptome signatures vary across brain regions in the resting mouse brain. Journal of Pharmacological Sciences, 2023, 151, 142-147.	2.5	1
2523	Beneficial Effect of ACI-24 Vaccination on Aβ Plaque Pathology and Microglial Phenotypes in an Amyloidosis Mouse Model. Cells, 2023, 12, 79.	4.1	2
2524	A singleâ€cell <scp>RNA</scp> labeling strategy for measuring stress response upon tissue dissociation. Molecular Systems Biology, 2023, 19, .	7.2	6
2526	Pola Viz Reveals Microglia Polarization at Single Cell Level in Alzheimer's Disease. , 2022, , .		2
2527	A Single-Cell-Resolution Quantitative Metric of Similarity to a Target Cell Type for scRNA-seq Data. , 2022, , .		1
2528	Emerging Roles of Extracellular Vesicles in Alzheimer's Disease: Focus on Synaptic Dysfunction and Vesicle–Neuron Interaction. Cells, 2023, 12, 63.	4.1	6
2529	Engineering an inhibitor-resistant human CSF1R variant for microglia replacement. Journal of Experimental Medicine, 2023, 220, .	8.5	15
2530	A Function of Amyloid-β in Mediating Activity-Dependent Axon/Synapse Competition May Unify Its Roles in Brain Physiology and Pathology. Journal of Alzheimer's Disease, 2023, , 1-29.	2.6	2
2531	The neuroimmune axis of Alzheimer's disease. Genome Medicine, 2023, 15, .	8.2	59

#	Article	IF	CITATIONS
2532	Myeloid masquerade: Microglial transcriptional signatures in retinal development and disease. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	2
2534	The Interplay between α-Synuclein and Microglia in α-Synucleinopathies. International Journal of Molecular Sciences, 2023, 24, 2477.	4.1	9
2535	Systematic comparison of culture media uncovers phenotypic shift of primary human microglia defined by reduced reliance to <scp>CSF1R</scp> signaling. Glia, 2023, 71, 1278-1293.	4.9	4
2538	Development of an Aptamer-Based Molecular Tool for Specifically Targeting Microglia via the CD64 Protein. Analytical Chemistry, 2023, 95, 3238-3246.	6.5	5
2539	Untangling the Role of TREM2 in Conjugation with Microglia in Neuronal Dysfunction: A Hypothesis on a Novel Pathway in the Pathophysiology of Alzheimer's Disease. Journal of Alzheimer's Disease, 2023, 94, S319-S333.	2.6	4
2541	Lyn Kinase Structure, Regulation, and Involvement in Neurodegenerative Diseases: A Mini Review. , 2023, 1, 23-38.		2
2542	Glial cell transcriptome analyses in 3xTg-AD mice: Effects of aging, disease progression, and anti-Aβ immunotherapy. Aging Brain, 2023, 3, 100066.	1.3	3
2543	Neuronal glutathione loss leads to neurodegeneration involving gasdermin activation. Scientific Reports, 2023, 13, .	3.3	4
2545	The role of ApoE-mediated microglial lipid metabolism in brain aging and disease. Immunometabolism, 2023, 5, e00018.	1.6	2
2547	Molecular Imaging of Neuroinflammation in Alzheimer's Disease and Mild Cognitive Impairment. Advances in Experimental Medicine and Biology, 2023, , 301-326.	1.6	0
2548	Molecular Regulation Mechanism of Microglial Autophagy in the Pathology of Alzheimer's Disease. , 2023, .		3
2549	Genetic models of cleavage-reduced and soluble TREM2 reveal distinct effects on myelination and microglia function in the cuprizone model. Journal of Neuroinflammation, 2023, 20, .	7.2	3
2550	The Fuzzy Border between the Functional and Dysfunctional Effects of Beta-Amyloid: A Synaptocentric View of Neuron–Glia Entanglement. Biomedicines, 2023, 11, 484.	3.2	0
2551	Single-cell RNA-sequencing identifies disease-associated oligodendrocytes in male APP NL-G-F and 5XFAD mice. Nature Communications, 2023, 14, .	12.8	13
2552	Mitochondrial control of microglial phagocytosis by the translocator protein and hexokinase 2 in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	22
2555	Development of an AAV-based model of tauopathy targeting retinal ganglion cells and the mouse visual pathway to study the role of microglia in Tau pathology. Neurobiology of Disease, 2023, 181, 106116.	4.4	1
2556	What fungal CNS infections can teach us about neuroimmunology and CNS-specific immunity. Seminars in Immunology, 2023, 67, 101751.	5.6	2
2557	Salidroside alleviates cognitive impairment by inhibiting ferroptosis via activation of the Nrf2/GPX4 axis in SAMP8 mice. Phytomedicine, 2023, 114, 154762.	5.3	16

#	Article	IF	CITATIONS
2558	Microglia-containing cerebral organoids derived from induced pluripotent stem cells for the study of neurological diseases. IScience, 2023, 26, 106267.	4.1	13
2559	Comprehensive Bibliometric Analysis of Stem Cell Research in Alzheimer's Disease from 2004 to 2022. Dementia and Geriatric Cognitive Disorders, 2023, 52, 47-73.	1.5	10
2561	Neuro-immune crosstalk in depressive symptoms of multiple sclerosis. Neurobiology of Disease, 2023, 177, 106005.	4.4	3
2562	Human early-onset dementia caused by DAP12 deficiency reveals a unique signature of dysregulated microglia. Nature Immunology, 2023, 24, 545-557.	14.5	12
2563	Ikzf1 as a novel regulator of microglial homeostasis in inflammation and neurodegeneration. Brain, Behavior, and Immunity, 2023, 109, 144-161.	4.1	7
2564	The meal Maketh the Microglia: Why studying microglial phagocytosis is critical to stroke research. Neurochemistry International, 2023, 164, 105488.	3.8	1
2565	Network analysis of large-scale ImmGen and Tabula Muris datasets highlights metabolic diversity of tissue mononuclear phagocytes. Cell Reports, 2023, 42, 112046.	6.4	4
2566	Plasma microglial-derived extracellular vesicles are increased in frail patients with Mild Cognitive Impairment and exert a neurotoxic effect. GeroScience, 2023, 45, 1557-1571.	4.6	8
2567	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, .	7.1	13
2568	MICROGLIA AND INFILTRATING T-CELLS ADOPT LONG-TERM, AGE-SPECIFIC, TRANSCRIPTIONAL CHANGES AFTER TRAUMATIC BRAIN INJURY IN MICE. Shock, 2023, 59, 267-276.	2.1	3
2569	Integrative in situ mapping of single-cell transcriptional states and tissue histopathology in a mouse model of Alzheimer's disease. Nature Neuroscience, 0, , .	14.8	21
2570	An insight into the TAM system in Alzheimer's disease. International Immunopharmacology, 2023, 116, 109791.	3.8	0
2571	Ageing-Induced Decline in Primary Myeloid Cell Phagocytosis Is Unaffected by Optineurin Insufficiency. Biology, 2023, 12, 240.	2.8	4
2572	The Role of Microglial Depletion Approaches in Pathological Condition of CNS. Cellular and Molecular Neurobiology, 2023, 43, 2459-2471.	3.3	2
2573	Perivascular cells induce microglial phagocytic states and synaptic engulfment via SPP1 in mouse models of Alzheimer's disease. Nature Neuroscience, 2023, 26, 406-415.	14.8	41
2575	The biology of TREM receptors. Nature Reviews Immunology, 2023, 23, 580-594.	22.7	45
2577	RNAseq Analysis of FABP4 Knockout Mouse Hippocampal Transcriptome Suggests a Role for WNT/Ĵ2-Catenin in Preventing Obesity-Induced Cognitive Impairment. International Journal of Molecular Sciences, 2023, 24, 3381.	4.1	3
2578	Myeloid Cells As a Promising Target for Brain–Bone Degenerative Diseases from a Metabolic Point of View. Advanced Biology, 2023, 7, .	2.5	0

#	Article	IF	Citations
2579	The Amyloid-Beta Clearance: From Molecular Targets to Glial and Neural Cells. Biomolecules, 2023, 13, 313.	4.0	8
2581	Single-cell RNA sequencing identifies hippocampal microglial dysregulation in diet-induced obesity. IScience, 2023, 26, 106164.	4.1	3
2582	Revisiting the intersection of microglial activation and neuroinflammation in Alzheimer's disease from the perspective of ferroptosis. Chemico-Biological Interactions, 2023, 375, 110387.	4.0	12
2583	Complement in the Brain: Contributions to Neuroprotection, Neuronal Plasticity, and Neuroinflammation. Annual Review of Immunology, 2023, 41, 431-452.	21.8	12
2584	Human striatal glia differentially contribute to AD- and PD-specific neurodegeneration. Nature Aging, 2023, 3, 346-365.	11.6	8
2585	A TREM2 antibody energizes microglia. Nature Neuroscience, 0, , .	14.8	3
2586	Role of sex hormones in neuroinflammation in <scp>Alzheimer's</scp> disease. Clinical and Experimental Neuroimmunology, 2023, 14, 100-109.	1.0	2
2587	The Immunology of Brain Tumors. , 2023, , .		0
2588	Multifactorial glial responses and their contributions to Alzheimer's disease continuum. Clinical and Experimental Neuroimmunology, 2023, 14, 82-91.	1.0	1
2589	The microglial immunoreceptor tyrosineâ€based motifâ€6yk signaling pathway is a promising target of immunotherapy for Alzheimer's disease. Clinical and Translational Medicine, 2023, 13, .	4.0	1
2590	Neurodegeneration cell per cell. Neuron, 2023, 111, 767-786.	8.1	8
2592	A Cre-deleter specific for embryo-derived brain macrophages reveals distinct features of microglia and border macrophages. Immunity, 2023, 56, 1027-1045.e8.	14.3	17
2594	Chromosomal and gonadal factors regulate microglial sex effects in the aging brain. Brain Research Bulletin, 2023, 195, 157-171.	3.0	4
2596	The Journey of Cancer Cells to the Brain: Challenges and Opportunities. International Journal of Molecular Sciences, 2023, 24, 3854.	4.1	3
2597	Augmenting hematoma-scavenging capacity of innate immune cells by CDNF reduces brain injury and promotes functional recovery after intracerebral hemorrhage. Cell Death and Disease, 2023, 14, .	6.3	7
2598	<i> Cspg4 <sup>high</sup> </i> microglia contribute to microgliosis during neurodegeneration. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	2
2599	Negative regulation of TREM2-mediated C9orf72 poly-GA clearance by the NLRP3 inflammasome. Cell Reports, 2023, 42, 112133.	6.4	7
2600	Hallmarks of neurodegenerative diseases. Cell, 2023, 186, 693-714.	28.9	222

#	Article	IF	Citations
2601	A Trem2R47H mouse model without cryptic splicing drives age- and disease-dependent tissue damage and synaptic loss in response to plaques. Molecular Neurodegeneration, 2023, 18, .	10.8	6
2602	The βâ€adrenergic hypothesis of synaptic and microglial impairment in Alzheimer's disease. Journal of Neurochemistry, 2023, 165, 289-302.	3.9	3
2603	Biomimetic Remodeling of Microglial Riboflavin Metabolism Ameliorates Cognitive Impairment by Modulating Neuroinflammation. Advanced Science, 2023, 10, .	11.2	12
2604	Neuronal APOE4 removal protects against tau-mediated gliosis, neurodegeneration and myelin deficits. Nature Aging, 2023, 3, 275-296.	11.6	25
2605	Precise mapping of molecular and cellular brain changes in Alzheimer's disease. Nature Neuroscience, 0, , .	14.8	0
2606	Temporal single-cell atlas of non-neuronal retinal cells reveals dynamic, coordinated multicellular responses to central nervous system injury. Nature Immunology, 2023, 24, 700-713.	14.5	13
2607	The effect of Abi3 locus deletion on the progression of Alzheimer's disease-related pathologies. Frontiers in Immunology, 0, 14, .	4.8	1
2608	CD11c+ macrophages are proangiogenic and necessary for experimental choroidal neovascularization. JCI Insight, 2023, 8, .	5.0	8
2609	Spatiotemporal mapping of immune and stem cell dysregulation after volumetric muscle loss. JCI Insight, 2023, 8, .	5.0	7
2610	Depletion and activation of microglia impact metabolic connectivity of the mouse brain. Journal of Neuroinflammation, 2023, 20, .	7.2	2
2611	CD11c+ microglia promote white matter repair after ischemic stroke. Cell Death and Disease, 2023, 14, .	6.3	7
2612	Ensheathing glia promote increased lifespan and healthy brain aging. Aging Cell, 2023, 22, .	6.7	3
2613	Regulation of astrocyte lipid metabolism and ApoEÂsecretion by the microglial oxysterol, 25-hydroxycholesterol. Journal of Lipid Research, 2023, 64, 100350.	4.2	9
2614	Cerebellar Transcriptomic Analysis in a Chronic plus Binge Mouse Model of Alcohol Use Disorder Demonstrates Ethanol-Induced Neuroinflammation and Altered Clial Gene Expression. Cells, 2023, 12, 745.	4.1	4
2616	Monocyte-derived cells invade brain parenchyma and amyloid plaques in human Alzheimer's disease hippocampus. Acta Neuropathologica Communications, 2023, 11, .	5.2	6
2617	APOE modulates microglial immunometabolism in response to age, amyloid pathology, and inflammatory challenge. Cell Reports, 2023, 42, 112196.	6.4	26
2618	Microglia as a cellular target of diclofenac therapy in Alzheimer's disease. Therapeutic Advances in Neurological Disorders, 2023, 16, 175628642311566.	3.5	3
2619	APOE4 is a Risk Factor and Potential Therapeutic Target for Alzheimer's Disease. CNS and Neurological Disorders - Drug Targets, 2024, 23, 342-352.	1.4	6

ARTICLE IF CITATIONS Microglia activation in central nervous system disorders: A review of recent mechanistic 2620 2.4 8 investigations and development efforts. Frontiers in Neurology, 0, 14, . Phagocytosis increases an oxidative metabolic and immune suppressive signature in tumor 8.5 macrophages. Journal of Experimental Medicine, 2023, 220, . Microglia-mediated T cell infiltration drives neurodegeneration in tauopathy. Nature, 2023, 615, 2622 27.8 129 668-677. Targeting RIPK1 kinase for modulating inflammation in human diseases. Frontiers in Immunology, 0, 14, . 2623 4.8 Regulatory T cells decrease C3-positive reactive astrocytes in Alzheimer-like pathology. Journal of 2625 7.2 3 Neuroinflammation, 2023, 20, . Microglia: A pharmacological target for the treatment of age-related cognitive decline and Alzheimerâ $\in$ <sup>ms</sup> disease. Frontiers in Pharmacology, 0, 14, . 3.5 N-acetylneuraminic acid links immune exhaustion and accelerated memory deficit in diet-induced obese 2627 12.8 7 Alzheimer's disease mouse model. Nature Communications, 2023, 14, . Inflammasome activation under high cholesterol load triggers a protective microglial phenotype 8.0 while promoting neuronal pyroptosis. Translational Neurodegeneration, 2023, 12, . Beyond the amyloid cascade: An update of Alzheimer's disease pathophysiology. Revue Neurologique, 2629 1.5 6 2023, 179, 812-830. The Multifaceted Roles of Macrophages in NAFLD Pathogenesis. Cellular and Molecular 4.5 Gastroenterology and Hepatology, 2023, 15, 1311-1324 TGF-Î<sup>2</sup>1 signalling in Alzheimer's pathology and cytoskeletal reorganization: a specialized Tau 2635 7.2 16 perspective. Journal of Neuroinflammation, 2023, 20, . INPP5D modulates TREM2 loss-of-function phenotypes in a  $\hat{l}^2$ -amyloidosis mouse model. IScience, 2023, 26, 4.1 106375. The diverse roles of macrophages in metabolic inflammation and its resolution. Frontiers in Cell and 2637 3.7 2 Developmental Biology, 0, 11, . Pathogenic Microglia Orchestrate Neurotoxic Properties of Eomes-Expressing Helper T Cells. Cells, 2638 4.1 2023, 12, 868. Astrocytes display ultrastructural alterations and heterogeneity in the hippocampus of aged APP-PS1 2639 7.2 6 mice and human post-mortem brain samples. Journal of Neuroinflammation, 2023, 20, . Attenuation of Alzheimer's brain pathology in 5XFAD mice by PTH1-34, a peptide of parathyroid 2640 hormone. Alzheimer's Research and Therapy, 2023, 15, . Tissue-specific macrophages: how they develop and choreograph tissue biology. Nature Reviews 2641 22.7 65 Immunology, 2023, 23, 563-579. Single substitution in H3.3G34 alters DNMT3A recruitment to cause progressive neurodegeneration. 2642 28.9 Cell, 2023, 186, 1162-1178.e20.

#	Article	IF	CITATIONS
2643	Ethanol-induced cerebellar transcriptomic changes in a postnatal model of fetal alcohol spectrum disorders: Focus on disease onset. Frontiers in Neuroscience, 0, 17, .	2.8	3
2644	The innate immune response in tauopathies. European Journal of Immunology, 2023, 53, .	2.9	2
2645	The localization of molecularly distinct microglia populations to Alzheimer's disease pathologies using QUIVER. Acta Neuropathologica Communications, 2023, 11, .	5.2	4
2646	Exercise suppresses neuroinflammation for alleviating Alzheimer's disease. Journal of Neuroinflammation, 2023, 20, .	7.2	19
2650	A Single-Cell RNA-Sequencing Analysis of Distinct Subsets of Synovial Macrophages in Rheumatoid Arthritis. DNA and Cell Biology, 2023, 42, 212-222.	1.9	3
2652	Transcriptomic atlas and interaction networks of brain cells in mouse CNS demyelination and remyelination. Cell Reports, 2023, 42, 112293.	6.4	9
2653	Expression of INPP5D Isoforms in Human Brain: Impact of Alzheimer's Disease Neuropathology and Genetics. Genes, 2023, 14, 763.	2.4	9
2654	The Implications of Microglial Regulation in Neuroplasticity-Dependent Stroke Recovery. Biomolecules, 2023, 13, 571.	4.0	3
2655	Activated immune cells drive neurodegeneration in an Alzheimer's model. Nature, 2023, 615, 588-589.	27.8	2
2657	The Role of Tau Protein on Alzheimer's Disease. , 0, 36, 978-984.		0
2658			
	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.	16.2	16
2660	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570. Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .	16.2 12.8	16 6
2660 2661	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.         Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .         Multifaceted microglia during brain development: Models and tools. Frontiers in Neuroscience, 0, 17, .	16.2 12.8 2.8	16 6 3
2660 2661 2663	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.         Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .         Multifaceted microglia during brain development: Models and tools. Frontiers in Neuroscience, 0, 17, .         An aging, pathology burden, and glial senescence build-up hypothesis for late onset Alzheimer's disease. Nature Communications, 2023, 14, .	16.2 12.8 2.8 12.8	16 6 3 26
2660 2661 2663 2665	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.         Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .         Multifaceted microglia during brain development: Models and tools. Frontiers in Neuroscience, 0, 17, .         An aging, pathology burden, and glial senescence build-up hypothesis for late onset Alzheimer's disease. Nature Communications, 2023, 14, .         TREM2 gene expression associations with Alzheimer's disease neuropathology are region-specific: implications for cortical versus subcortical microglia. Acta Neuropathologica, 2023, 145, 733-747.	16.2 12.8 2.8 12.8 7.7	16 6 3 26 6
2660 2661 2663 2665 2666	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.         Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .         Multifaceted microglia during brain development: Models and tools. Frontiers in Neuroscience, 0, 17, .         An aging, pathology burden, and glial senescence build-up hypothesis for late onset Alzheimer's disease. Nature Communications, 2023, 14, .         TREM2 gene expression associations with Alzheimer's disease neuropathology are region-specific: implications for cortical versus subcortical microglia. Acta Neuropathologica, 2023, 145, 733-747.         The gut microbiome modulates the transformation of microglial subtypes. Molecular Psychiatry, 2023, 28, 1611-1621.	16.2 12.8 2.8 12.8 7.7 7.9	16         6         3         26         6         11
2660 2661 2663 2665 2666 2667	Molecular and metabolic heterogeneity of astrocytes and microglia. Cell Metabolism, 2023, 35, 555-570.         Androgens show sex-dependent differences in myelination in immune and non-immune murine models of CNS demyelination. Nature Communications, 2023, 14, .         Multifaceted microglia during brain development: Models and tools. Frontiers in Neuroscience, 0, 17, .         An aging, pathology burden, and glial senescence build-up hypothesis for late onset Alzheimerâ∈™s disease. Nature Communications, 2023, 14, .         TREM2 gene expression associations with Alzheimerâ∈™s disease neuropathology are region-specific: implications for cortical versus subcortical microglia. Acta Neuropathologica, 2023, 145, 733-747.         The gut microbiome modulates the transformation of microglial subtypes. Molecular Psychiatry, 2023, 28, 1611-1621.         Astrocytic APOE4 removal confers cerebrovascular protection despite increased cerebral amyloid angiopathy. Molecular Neurodegeneration, 2023, 18, .	16.2 12.8 2.8 12.8 7.7 7.9 10.8	16         6         3         26         6         11         7

#	Article	IF	CITATIONS
2670	Neuroimmune mechanisms and therapies mediating post-ischaemic brain injury and repair. Nature Reviews Neuroscience, 2023, 24, 299-312.	10.2	14
2671	<i>APOE</i> and immunity: Research highlights. Alzheimer's and Dementia, 2023, 19, 2677-2696.	0.8	5
2672	Molecular and cognitive signatures of ageing partially restored through synthetic delivery of IL2 to the brain. EMBO Molecular Medicine, 2023, 15, .	6.9	7
2673	TREM2 deficiency in microglia accelerates photoreceptor cell death and immune cell infiltration following retinal detachment. Cell Death and Disease, 2023, 14, .	6.3	2
2674	RIP3-mediated microglial necroptosis promotes neuroinflammation and neurodegeneration in the early stages of diabetic retinopathy. Cell Death and Disease, 2023, 14, .	6.3	11
2677	Microglia directly associate with pericytes in the central nervous system. Glia, 2023, 71, 1847-1869.	4.9	7
2678	Complement C3a treatment accelerates recovery after stroke via modulation of astrocyte reactivity and cortical connectivity. Journal of Clinical Investigation, 2023, 133, .	8.2	4
2679	TREM2 deficiency inhibits microglial activation and aggravates demyelinating injury in neuromyelitis optica spectrum disorder. Journal of Neuroinflammation, 2023, 20, .	7.2	1
2682	<i>APOE</i> ε4 associates with microglial activation independently of Aβ plaques and tau tangles. Science Advances, 2023, 9, .	10.3	20
2683	Stem cells in the treatment of Alzheimer's disease – Promises and pitfalls. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2023, 1869, 166712.	3.8	1
2686	Recent advances in differential expression analysis for single-cell RNA-seq and spatially resolved transcriptomic studies. Briefings in Functional Genomics, 0, , .	2.7	1
2687	Identification of a broadly fibrogenic macrophage subset induced by type 3 inflammation. Science Immunology, 2023, 8, .	11.9	41
2688	LRP1 in vascular mural cells modulates cerebrovascular integrity and function in the presence of APOE4. JCI Insight, 2023, 8, .	5.0	3
2689	Dissecting the brain with spatially resolved multi-omics. Journal of Pharmaceutical Analysis, 2023, 13, 694-710.	5.3	3
2690	Microglial tissue surveillance: The neverâ€resting gardener in the developing and adult CNS. European Journal of Immunology, 2023, 53, .	2.9	2
2691	Differences in the post-stroke innate immune response between young and old. Seminars in Immunopathology, 2023, 45, 367-376.	6.1	8
2692	Tau aggregates improve the Purinergic receptor P2Y12-associated podosome rearrangements in microglial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2023, 1870, 119477.	4.1	1
2693	Biomaterials-based anti-inflammatory treatment strategies for Alzheimer's disease. Neural Regeneration Research, 2024, 19, 100-115.	3.0	4

#	Article	IF	CITATIONS
2694	Gene-agnostic approaches to treating inherited retinal degenerations. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	3
2695	Peroxisomal defects in microglial cells induce a disease-associated microglial signature. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	4
2696	Translatome analysis reveals microglia and astrocytes to be distinct regulators of inflammation in the hyperacute and acute phases after stroke. Glia, 2023, 71, 1960-1984.	4.9	8
2697	NF-κB is a critical mediator of post-mitotic senescence in oligodendrocytes and subsequent white matter loss. Molecular Neurodegeneration, 2023, 18, .	10.8	11
2698	Comparison of the Anti-inflammatory Activity and Cellular Interaction of Brush Polymer– <i>N</i> -Acetyl Cysteine Conjugates in Human and Murine Microglial Cell Lines. Molecular Pharmaceutics, 0, , .	4.6	0
2699	Exposure to quasi-ultrafine particulate matter accelerates memory impairment andÂAlzheimer's disease-like neuropathology in the <i>AppNL-G-F</i> knock-in mouse model. Toxicological Sciences, 2023, 193, 175-191.	3.1	3
2700	GPR101 loss promotes insulin resistance and diet-induced obesity risk. , 2023, , 101126.		0
2702	Reactive astrogliosis in the era of single-cell transcriptomics. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	9
2703	Single-nucleus RNA-sequencing of autosomal dominant Alzheimer disease and risk variant carriers. Nature Communications, 2023, 14, .	12.8	17
2704	The Functions and Phenotypes of Microglia in Alzheimer's Disease. Cells, 2023, 12, 1207.	4.1	4
2705	Cortical glia in SOD1(G93A) mice are subtly affected by ALS-like pathology. Scientific Reports, 2023, 13, .	3.3	1
2706	Aging microglia. Cellular and Molecular Life Sciences, 2023, 80, .	5.4	13
2707	Sleep deprivation exacerbates microglial reactivity and Aβ deposition in a <i>TREM2</i> -dependent manner in mice. Science Translational Medicine, 2023, 15, .	12.4	13
2708	Role of microglia autophagy and mitophagy in age-related neurodegenerative diseases. Frontiers in Aging Neuroscience, 0, 14, .	3.4	3
2709	Inflammatory responses involved in post-cardiac arrest brain injury: mechanisms, regulation, and therapeutic potential. , 0, , 82-97.		0
2710	microRNA-132 regulates gene expression programs involved in microglial homeostasis. IScience, 2023, 26, 106829.	4.1	10
2713	Advances in proteomic phenotyping of microglia in neurodegeneration. Proteomics, 0, , .	2.2	1
2714	Tau activation of microglial cCAS–IFN reduces MEF2C-mediated cognitive resilience. Nature	14.8	40

# 2715	ARTICLE Resilient brains run out of (c)GAS. Nature Immunology, 2023, 24, 741-742.	IF 14.5	CITATIONS 0
2716	TMEM106B regulates microglial proliferation and survival in response to demyelination. Science Advances, 2023, 9, .	10.3	8
2717	APOEε4 and risk of Alzheimer's disease – time to move forward. Frontiers in Neuroscience, 0, 17, .	2.8	2
2718	Principles of gliopathology. , 2023, , 473-532.		0
2719	Elevated Galectin-3 Is Associated with Aging, Multiple Sclerosis, and Oxidized Phosphatidylcholine-Induced Neurodegeneration. Journal of Neuroscience, 2023, 43, 4725-4737.	3.6	6
2720	Microglia modulate <scp>TNFα</scp> â€mediated synaptic plasticity. Clia, 2023, 71, 2117-2136.	4.9	5
2722	The triggering receptor expressed on myeloid cells 2–apolipoprotein E signaling pathway in diseases. Chinese Medical Journal, 2023, 136, 1291-1299.	2.3	0
2723	Riluzole and its prodrugs for the treatment of Alzheimer'sÂdisease. Pharmaceutical Patent Analyst, 2023, 12, 79-85.	1.1	1
2724	Dimethyl Fumarate as Potential Treatment for Alzheimer's Disease: Rationale and Clinical Trial Design. Biomedicines, 2023, 11, 1387.	3.2	0
2725	Cause or consequence? The role of IL-1 family cytokines and receptors in neuroinflammatory and neurodegenerative diseases. Frontiers in Immunology, 0, 14, .	4.8	2
2726	Impact of (intestinal) LAL deficiency on lipid metabolism and macrophage infiltration. Molecular Metabolism, 2023, 73, 101737.	6.5	3
2727	Acute and Chronic Macrophage Differentiation Modulates TREM2 in a Personalized Alzheimer's Patient-Derived Assay. Cellular and Molecular Neurobiology, 0, , .	3.3	0
2728	Single-cell and spatial transcriptomics: deciphering brain complexity in health and disease. Nature Reviews Neurology, 2023, 19, 346-362.	10.1	33
2729	Editorial: Molecular mechanisms regulating phenotypic heterogeneity in human inflammatory diseases. Frontiers in Immunology, 0, 14, .	4.8	0
2730	Microglia degrade Tau oligomers deposit via purinergic P2Y12-associated podosome and filopodia formation and induce chemotaxis. Cell and Bioscience, 2023, 13, .	4.8	1
2731	Tau polarizes an aging transcriptional signature to excitatory neurons and glia. ELife, 0, 12, .	6.0	3
2732	Microglia Exhibit Distinct Heterogeneity Rather than M1/M2 Polarization within the Early Stage of Acute Ischemic Stroke. , 2023, 14, 2284.		5
2733	Meningeal immunity and neurological diseases: new approaches, new insights. Journal of Neuroinflammation, 2023, 20, .	7.2	1

#	Article	IF	CITATIONS
2734	Autophagy enables microglia to engage amyloid plaques and prevents microglial senescence. Nature Cell Biology, 2023, 25, 963-974.	10.3	21
2735	Monocyte-derived IL-6 programs microglia to rebuild damaged brain vasculature. Nature Immunology, 2023, 24, 1110-1123.	14.5	9
2736	Human microglia show unique transcriptional changes in Alzheimer's disease. Nature Aging, 2023, 3, 894-907.	11.6	20
2737	Experimental hepatic encephalopathy causes early but sustained glial transcriptional changes. Journal of Neuroinflammation, 2023, 20, .	7.2	4
2738	Myelin dysfunction drives amyloid-β deposition in models of Alzheimer's disease. Nature, 2023, 618, 349-357.	27.8	52
2739	Focused Ultrasound-Mediated Blood–Brain Barrier Opening Best Promotes Neuroimmunomodulation through Brain Macrophage Redistribution. Neuroglia (Basel, Switzerland), 2023, 4, 141-157.	0.9	3
2740	Uncovering neuroinflammation-related modules and potential repurposing drugs for Alzheimer's disease through multi-omics data integrative analysis. Frontiers in Aging Neuroscience, 0, 15, .	3.4	1
2741	Alzheimer's disease and neuroinflammation: will new drugs in clinical trials pave the way to a multi-target therapy?. Frontiers in Pharmacology, 0, 14, .	3.5	4
2743	Interferon-gamma ameliorates experimental autoimmune encephalomyelitis by inducing homeostatic adaptation of microglia. Frontiers in Immunology, 0, 14, .	4.8	1
2744	The Stria Vascularis in Mice and Humans Is an Early Site of Age-Related Cochlear Degeneration, Macrophage Dysfunction, and Inflammation. Journal of Neuroscience, 2023, 43, 5057-5075.	3.6	7
2745	Roles and regulation of microglia activity in multiple sclerosis: insights from animal models. Nature Reviews Neuroscience, 2023, 24, 397-415.	10.2	10
2746	CARD9 attenuates Aβ pathology and modifies microglial responses in an Alzheimer's disease mouse model. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
2748	Decoding the genetic relationship between Alzheimer's disease and type 2 diabetes: potential risk variants and future direction for North Africa. Frontiers in Aging Neuroscience, 0, 15, .	3.4	1
2749	Moderate intrinsic phenotypic alterations in C9orf72 ALS/FTD iPSC-microglia despite the presence of C9orf72 pathological features. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	9
2752	Convergent mechanisms of microgliaâ€nediated synaptic dysfunction contribute to diverse neuropathological conditions. Annals of the New York Academy of Sciences, 0, , .	3.8	1
2753	Myeloid cells in vascular dementia and Alzheimer's disease: Possible therapeutic targets?. British Journal of Pharmacology, 2024, 181, 777-798.	5.4	3
2754	Genetic insights into immune mechanisms of Alzheimer's and Parkinson's disease. Frontiers in Immunology, 0, 14, .	4.8	4
2755	Microglia in brain aging. Journal of Biomedical Research, 2023, .	1.6	0

#	Article	IF	CITATIONS
2756	Identification of a protective microglial state mediated by miR-155 and interferon-γ signaling in a mouse model of Alzheimer's disease. Nature Neuroscience, 2023, 26, 1196-1207.	14.8	17
2757	Translational regulation and protein-coding capacity of the 5′ untranslated region of human TREM2. Communications Biology, 2023, 6, .	4.4	0
2758	Distinct myeloid population phenotypes dependent on TREM2 expression levels shape the pathology of traumatic versus demyelinating CNS disorders. Cell Reports, 2023, 42, 112629.	6.4	4
2759	Early postnatal microglial ablation in the Ccdc39 mouse model reveals adverse effects on brain development and in neonatal hydrocephalus. Fluids and Barriers of the CNS, 2023, 20, .	5.0	0
2760	Multiscale geometric and topological analyses for characterizing and predicting immune responses from single cell data. Trends in Immunology, 2023, 44, 551-563.	6.8	1
2762	Microglia in brain aging: An overview of recent basic science and clinical research developments. Journal of Biomedical Research, 2023, 37, 1.	1.6	0
2763	TREM2-Deficient Microglia Attenuate Tau Spreading In Vivo. Cells, 2023, 12, 1597.	4.1	3
2764	Autophagy prevents microglial senescence. Nature Cell Biology, 2023, 25, 923-925.	10.3	4
2765	hdWGCNA identifies co-expression networks in high-dimensional transcriptomics data. Cell Reports Methods, 2023, 3, 100498.	2.9	43
2767	An astrocyte BMAL1-BAG3 axis protects against alpha-synuclein and tau pathology. Neuron, 2023, 111, 2383-2398.e7.	8.1	13
2768	Impact of non-neuronal cells in Alzheimer's disease from a single-nucleus profiling perspective. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	0
2769	Complement C3aR depletion reverses HIF-1α–induced metabolic impairment and enhances microglial response to Aβ pathology. Journal of Clinical Investigation, 2023, 133, .	8.2	4
2770	Comprehensive transcript-level analysis reveals transcriptional reprogramming during the progression of Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 15, .	3.4	1
2771	Immune profiling of murine cardiac leukocytes identifies triggering receptor expressed on myeloid cells 2 as a novel mediator of hypertensive heart failure. Cardiovascular Research, 2023, 119, 2312-2328.	3.8	4
2772	Editorial: Microglia in neuroinflammation. Frontiers in Immunology, 0, 14, .	4.8	0
2773	Microglia in Alzheimer's disease: pathogenesis, mechanisms, and therapeutic potentials. Frontiers in Aging Neuroscience, 0, 15, .	3.4	12
2774	SALL1 enforces microglia-specific DNA binding and function of SMADs to establish microglia identity. Nature Immunology, 2023, 24, 1188-1199.	14.5	5
2775	Microglial Caspase-3 is essential for modulating hippocampal neurogenesis. Brain, Behavior, and Immunity, 2023, 112, 206-219.	4.1	1

#	Article	IF	CITATIONS
2776	Effect of Tinospora cordifolia on neuroinflammation. , 2023, , 601-621.		0
2777	SCING: Inference of robust, interpretable gene regulatory networks from single cell and spatial transcriptomics. IScience, 2023, 26, 107124.	4.1	2
2779	Amyloids and brain cancer: molecular linkages and crossovers. Bioscience Reports, 2023, 43, .	2.4	2
2780	Humanized APOE genotypes influence lifespan independently of tau aggregation in the P301S mouse model of tauopathy. Acta Neuropathologica Communications, 2023, 11, .	5.2	1
2781	Tau seeding and spreading in vivo is supported by both AD-derived fibrillar and oligomeric tau. Acta Neuropathologica, 2023, 146, 191-210.	7.7	8
2782	Metabolic reprogramming regulates microglial polarization and its role in cerebral ischemia reperfusion. Fundamental and Clinical Pharmacology, 2023, 37, 1065-1078.	1.9	1
2783	Cholesterol, Amyloid Beta, Fructose, and LPS Influence ROS and ATP Concentrations and the Phagocytic Capacity of HMC3 Human Microglia Cell Line. International Journal of Molecular Sciences, 2023, 24, 10396.	4.1	1
2784	Cellular senescence in white matter microglia is induced during ageing in mice and exacerbates the neuroinflammatory phenotype. Communications Biology, 2023, 6, .	4.4	10
2785	The effects of enhancing angiotensin converting enzyme in myelomonocytes on ameliorating Alzheimer's-related disease and preserving cognition. Frontiers in Physiology, 0, 14, .	2.8	1
2786	Unraveling Molecular and Genetic Insights into Neurodegenerative Diseases: Advances in Understanding Alzheimer's, Parkinson's, and Huntington's Diseases and Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2023, 24, 10809.	4.1	2
2787	Microglial Transcriptional Signatures in the Central Nervous System: Toward A Future of Unraveling Their Function in Health and Disease. Annual Review of Genetics, 2023, 57, 65-86.	7.6	2
2788	The potential of the gut microbiome for identifying Alzheimer's disease diagnostic biomarkers and future therapies. Frontiers in Neuroscience, 0, 17, .	2.8	10
2789	Defects in lysosomal function and lipid metabolism in human microglia harboring a TREM2 loss of function mutation. Acta Neuropathologica, 2023, 145, 749-772.	7.7	8
2790	Microglial CD68 and L-ferritin upregulation in response to phosphorylated-TDP-43 pathology in the amyotrophic lateral sclerosis brain. Acta Neuropathologica Communications, 2023, 11, .	5.2	4
2791	Applications of single-cell RNA sequencing in drug discovery and development. Nature Reviews Drug Discovery, 2023, 22, 496-520.	46.4	31
2793	Role of cGAS–Sting Signaling in Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 8151.	4.1	3
2794	Single-cell analysis reveals inflammatory interactions driving macular degeneration. Nature Communications, 2023, 14, .	12.8	9
2795	Age-dependent immune and lymphatic responses after spinal cord injury. Neuron, 2023, 111, 2155-2169.e9.	8.1	5

#	Article	IF	CITATIONS
2796	Microglial P2X4 receptors promote ApoE degradation and contribute to memory deficits in Alzheimer's disease. Cellular and Molecular Life Sciences, 2023, 80, .	5.4	3
2797	Identical tau filaments in subacute sclerosing panencephalitis and chronic traumatic encephalopathy. Acta Neuropathologica Communications, 2023, 11, .	5.2	10
2799	Advances in the Study of APOE and Innate Immunity in Alzheimer's Disease. Journal of Alzheimer's Disease, 2023, 93, 1195-1210.	2.6	0
2800	The human microglial surveillant phenotype is preserved by de novo neurosteroidogenesis through the control of cholesterol homeostasis: Crucial role of 18AkDa Translocator Protein. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2023, 1869, 166751.	3.8	2
2801	Neuroinflammation in Alzheimer's disease: microglial signature and their relevance to disease. Inflammation and Regeneration, 2023, 43, .	3.7	12
2802	ARG1-expressing microglia show a distinct molecular signature and modulate postnatal development and function of the mouse brain. Nature Neuroscience, 2023, 26, 1008-1020.	14.8	13
2803	Study on Calceolarioside A Antiâ€Aβ <sub>25–35</sub> â€Induced Damage in SH‣Y5Yâ€cells by Atomic Fo Microscopy. Chemistry and Biodiversity, 2023, 20, .	orce 2.1	0
2804	scRAA: the development of a robust and automatic annotation procedure for single-cell RNA sequencing data. Journal of Biopharmaceutical Statistics, 0, , 1-14.	0.8	0
2805	A dynamical systems approach for multiscale synthesis of Alzheimer's pathogenesis. Neuron, 2023, 111, 2126-2139.	8.1	4
2807	The RhoA-ROCK1/ROCK2 Pathway Exacerbates Inflammatory Signaling in Immortalized and Primary Microglia. Cells, 2023, 12, 1367.	4.1	4
2808	Novel CH25H+ and OASL+ microglia subclusters play distinct roles in cerebral ischemic stroke. Journal of Neuroinflammation, 2023, 20, .	7.2	5
2809	Cx3cr1 controls kidney resident macrophage heterogeneity. Frontiers in Immunology, 0, 14, .	4.8	3
2811	Bibliometric and visual analysis of microglia-related neuropathic pain from 2000 to 2021. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	4
2812	CD74: a prospective marker for reactive microglia?. Neural Regeneration Research, 2023, 18, 2673-2674.	3.0	5
2813	Association between Cerebrospinal Fluid Soluble TREM2, Alzheimer's Disease and Other Neurodegenerative Diseases. Journal of Clinical Medicine, 2023, 12, 3589.	2.4	0
2814	Microglia and the Blood–Brain Barrier: An External Player in Acute and Chronic Neuroinflammatory Conditions. International Journal of Molecular Sciences, 2023, 24, 9144.	4.1	4
2815	Immune stimulation recruits a subset of pro-regenerative macrophages to the retina that promotes axonal regrowth of injured neurons. Acta Neuropathologica Communications, 2023, 11, .	5.2	1
2816	Phospholipase D3 degrades mitochondrial DNA to regulate nucleotide signaling and APP metabolism. Nature Communications, 2023, 14, .	12.8	8

#	Article	IF	Citations
2817	Cell-specific transcriptome changes in the hypothalamic arcuate nucleus in a mouse deoxycorticosterone acetate-salt model of hypertension. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	1
2818	Microglial diversity in neuropathic pain. Trends in Neurosciences, 2023, 46, 597-610.	8.6	7
2819	Recent Mechanisms of Neurodegeneration and Photobiomodulation in the Context of Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 9272.	4.1	5
2820	Microglia NLRP3 Inflammasome and Neuroimmune Signaling in Substance Use Disorders. Biomolecules, 2023, 13, 922.	4.0	5
2821	β2-Microglobulin coaggregates with Aβ and contributes to amyloid pathology and cognitive deficits in Alzheimer's disease model mice. Nature Neuroscience, 2023, 26, 1170-1184.	14.8	12
2822	Galectin-3 activates spinal microglia to induce inflammatory nociception in wild type but not in mice modelling Alzheimer's disease. Nature Communications, 2023, 14, .	12.8	3
2823	Border-associated macrophages mediate the neuroinflammatory response in an alpha-synuclein model of Parkinson disease. Nature Communications, 2023, 14, .	12.8	18
2824	Inconsistent Effects of Glatiramer Acetate Treatment in the 5xFAD Mouse Model of Alzheimer's Disease. Pharmaceutics, 2023, 15, 1809.	4.5	0
2825	Brain macrophage development, diversity and dysregulation in health and disease. , 2023, 20, 1277-1289.		10
2826	High-resolution omics of vascular ageing and inflammatory pathways in neurodegeneration. Seminars in Cell and Developmental Biology, 2023, , .	5.0	1
2829	Peripheral immune system modulates Purkinje cell degeneration in Niemann–Pick disease type C1. Life Science Alliance, 2023, 6, e202201881.	2.8	0
2830	Mechanical properties of the brain: Focus on the essential role of Piezo1â€mediated mechanotransduction in the CNS. Brain and Behavior, 2023, 13, .	2.2	4
2831	Tipping points in neurodegeneration. Neuron, 2023, 111, 2954-2968.	8.1	7
2833	Coordinated Transcriptional Waves Define the Inflammatory Response of Primary Microglial Culture. International Journal of Molecular Sciences, 2023, 24, 10928.	4.1	0
2835	Microglial MHC-I induction with aging and Alzheimer's is conserved in mouse models and humans. GeroScience, 2023, 45, 3019-3043.	4.6	3
2838	Recent developments in the role of DNA damage response and understanding its implications for new therapeutic approaches in Alzheimer's disease. Translational Medicine of Aging, 2023, 7, 52-65.	1.3	1
2839	scCGImpute: An Imputation Method for Single-Cell RNA Sequencing Data Based on Similarities between Cells and Relationships among Genes. Applied Sciences (Switzerland), 2023, 13, 7936.	2.5	0
2840	Single-cell and spatial transcriptomics identify a macrophage population associated with skeletal muscle fibrosis. Science Advances, 2023, 9, .	10.3	11

#	Article	IF	CITATIONS
2841	Exploring microglia and their phenomenal concatenation of stress responses in neurodegenerative disorders. Life Sciences, 2023, 328, 121920.	4.3	5
2842	Single-Cell RNA Sequencing: Opportunities and Challenges for Studies on Corneal Biology in Health and Disease. Cells, 2023, 12, 1808.	4.1	2
2843	Multi-transcriptomics reveals brain cellular responses to peripheral infection in Alzheimer's disease model mice. Cell Reports, 2023, 42, 112785.	6.4	3
2844	Spatial Transcriptomics-correlated Electron Microscopy maps transcriptional and ultrastructural responses to brain injury. Nature Communications, 2023, 14, .	12.8	5
2845	Druggable targets for the immunopathy of Alzheimer's disease. RSC Medicinal Chemistry, 2023, 14, 1645-1661.	3.9	1
2846	Soluble TREM2 Concentrations in the Cerebrospinal Fluid Correlate with the Severity of Neurofibrillary Degeneration, Cognitive Impairment, and Inflammasome Activation in Alzheimer's Disease. Neurology International, 2023, 15, 842-856.	2.8	3
2847	Investigating microglia-neuron crosstalk by characterizing microglial contamination in human and mouse patch-seq datasets. IScience, 2023, 26, 107329.	4.1	0
2848	LPS priming before plaque deposition impedes microglial activation and restrains Aβ pathology in the 5xFAD mouse model of Alzheimer's disease. Brain, Behavior, and Immunity, 2023, 113, 228-247.	4.1	4
2849	Role of neuroinflammation in neurodegeneration development. Signal Transduction and Targeted Therapy, 2023, 8, .	17.1	62
2850	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364.	14.8	4
2850 2851	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364. Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425.	14.8 1.6	4
2850 2851 2853	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364. Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425. Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63.	14.8 1.6 22.7	4
2850 2851 2853 2854	<ul> <li>Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364.</li> <li>Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425.</li> <li>Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63.</li> <li>Potential Utility of Cerebrospinal Fluid Glycoprotein Nonmetastatic Melanoma Protein B as a Neuroinflammatory Diagnostic Biomarker in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Clinical Medicine, 2023, 12, 4689.</li> </ul>	14.8 1.6 22.7 2.4	4 1 11 3
2850 2851 2853 2854 2855	<ul> <li>Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364.</li> <li>Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425.</li> <li>Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63.</li> <li>Potential Utility of Cerebrospinal Fluid Glycoprotein Nonmetastatic Melanoma Protein B as a Neuroinflammatory Diagnostic Biomarker in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Clinical Medicine, 2023, 12, 4689.</li> <li>Understanding the Role of the Glial Scar through the Depletion of Glial Cells after Spinal Cord Injury. Cells, 2023, 12, 1842.</li> </ul>	14.8 1.6 22.7 2.4 4.1	4 1 11 3 0
2850 2851 2853 2854 2855 2857	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364.         Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425.         Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63.         Potential Utility of Cerebrospinal Fluid Glycoprotein Nonmetastatic Melanoma Protein B as a Neuroinflammatory Diagnostic Biomarker in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Clinical Medicine, 2023, 12, 4689.         Understanding the Role of the Glial Scar through the Depletion of Glial Cells after Spinal Cord Injury. Cells, 2023, 12, 1842.         Targeting the Siglec–sialic acid axis promotes antitumor immune responses in preclinical models of glioblastoma. Science Translational Medicine, 2023, 15, .	14.8 1.6 22.7 2.4 4.1 12.4	4 1 11 3 0 8
2850 2851 2853 2854 2855 2857 2859	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364. Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425. Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63. Potential Utility of Cerebrospinal Fluid Clycoprotein Nonmetastatic Melanoma Protein B as a Neuroinflammatory Diagnostic Biomarker in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Clinical Medicine, 2023, 12, 4689. Understanding the Role of the Glial Scar through the Depletion of Glial Cells after Spinal Cord Injury. Cells, 2023, 12, 1842. Targeting the Siglec–sialic acid axis promotes antitumor immune responses in preclinical models of glioblastoma. Science Translational Medicine, 2023, 15, . The Relationship of Astrocytes and Microglia with Different Stages of Ischemic Stroke. Current Neuropharmacology, 2023, 21, .	14.8 1.6 22.7 2.4 4.1 12.4 2.9	4 1 11 3 0 8 2
2850 2851 2853 2854 2855 2857 2859 2860	Integrating spatial and single-nucleus transcriptomic data elucidates microglial-specific responses in female cynomolgus macaques with depressive-like behaviors. Nature Neuroscience, 2023, 26, 1352-1364. Microglia Preserve Visual Function in a Mouse Model of Retinitis Pigmentosa with Rhodopsin-P23H Mutant. Advances in Experimental Medicine and Biology, 2023, , 421-425. Microglia regulation of central nervous system myelin health and regeneration. Nature Reviews Immunology, 2024, 24, 49-63. Potential Utility of Cerebrospinal Fluid Glycoprotein Nonmetastatic Melanoma Protein B as a Neuroinflammatory Diagnostic Biomarker in Mild Cognitive Impairment and Alzheimer's Disease. Journal of Clinical Medicine, 2023, 12, 4689. Understanding the Role of the Glial Scar through the Depletion of Glial Cells after Spinal Cord Injury. Cells, 2023, 12, 1842. Targeting the Siglec–sialic acid axis promotes antitumor immune responses in preclinical models of glioblastoma. Science Translational Medicine, 2023, 15, . The Relationship of Astrocytes and Microglia with Different Stages of Ischemic Stroke. Current Neuropharmacology, 2023, 21, . Central nervous system sulfatide deficiency as a causal factor for bladder disorder in Alzheimer's disease. Clinical and Translational Medicine, 2023, 13, .	14.8 1.6 22.7 2.4 4.1 12.4 2.9 4.0	4 1 11 3 0 8 2 2

#	Article	IF	CITATIONS
2862	Turquoise killifish: A natural model of age-dependent brain degeneration. Ageing Research Reviews, 2023, 90, 102019.	10.9	4
2863	Critical thinking of Alzheimer's transgenic mouse model: current research and future perspective. Science China Life Sciences, 2023, 66, 2711-2754.	4.9	2
2864	The Molecular Mechanisms of Neuroinflammation in Alzheimer's Disease, the Consequence of Neural Cell Death. International Journal of Molecular Sciences, 2023, 24, 11757.	4.1	1
2865	Identification of Clec7a as the therapeutic target of rTMS in alleviating Parkinson's disease: targeting neuroinflammation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2023, 1869, 166814.	3.8	1
2866	Trem2 Enhances Demyelination in the Csf1r+/â^' Mouse Model of Leukoencephalopathy. Biomedicines, 2023, 11, 2094.	3.2	1
2868	Physiological expression of mutated TAU impaired astrocyte activity and exacerbates β-amyloid pathology in 5xFAD mice. Journal of Neuroinflammation, 2023, 20, .	7.2	3
2869	Emerging Roles of Cells and Molecules of Innate Immunity in Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 11922.	4.1	5
2870	Generation of sophisticated Alzheimer's disease mouse models and research advances utilizing them. Translational and Regulatory Sciences, 2023, , .	0.2	0
2871	Exposure of iPSC-derived human microglia to brain substrates enables the generation and manipulation of diverse transcriptional states in vitro. Nature Immunology, 2023, 24, 1382-1390.	14.5	19
2872	A toolbox for studying the transcriptional diversity and functions of human microglia in vitro. Nature Immunology, 0, , .	14.5	0
2873	Machine learning identifies signatures of macrophage reactivity and tolerance that predict disease outcomes. EBioMedicine, 2023, 94, 104719.	6.1	10
2874	Electroacupuncture for weight loss by regulating microglial polarization in the arcuate nucleus of the hypothalamus. Life Sciences, 2023, 330, 121981.	4.3	0
2875	Distinct transcriptomic responses to Aβ plaques, neurofibrillary tangles, and <i>APOE</i> in Alzheimer's disease. Alzheimer's and Dementia, 2024, 20, 74-90.	0.8	0
2876	A novel molecular class that recruits HDAC/MECP2 complexes to PU.1 motifs reduces neuroinflammation. Journal of Experimental Medicine, 2023, 220, .	8.5	5
2877	Three-Dimensional Cell Cultures: The Bridge between In Vitro and In Vivo Models. International Journal of Molecular Sciences, 2023, 24, 12046.	4.1	5
2878	Not just Glia—Dissecting brain macrophages in the mouse. Glia, 0, , .	4.9	0
2880	TREM2: Potential therapeutic targeting of microglia for Alzheimer's disease. Biomedicine and Pharmacotherapy, 2023, 165, 115218.	5.6	7
2882	Pathological Roles of INPP5D in Alzheimer's Disease. Advances in Experimental Medicine and Biology, 2023, , 289-301.	1.6	0

#	Article	IF	CITATIONS
2884	A cell therapy approach to restore microglial Trem2 function in a mouse model of Alzheimer's disease. Cell Stem Cell, 2023, 30, 1043-1053.e6.	11.1	13
2885	Three-dimensional human neural culture on a chip recapitulating neuroinflammation and neurodegeneration. Nature Protocols, 2023, 18, 2838-2867.	12.0	5
2886	Neuronal γ-secretase regulates lipid metabolism, linking cholesterol to synaptic dysfunction in Alzheimer's disease. Neuron, 2023, 111, 3176-3194.e7.	8.1	5
2888	Senescent Microglia Represent a Subset of Disease-Associated Microglia in P301S Mice. Journal of Alzheimer's Disease, 2023, 95, 493-507.	2.6	2
2889	Time-resolved single-cell RNAseq profiling identifies a novel Fabp5+ subpopulation of inflammatory myeloid cells with delayed cytotoxic profile in chronic spinal cord injury. Heliyon, 2023, 9, e18339.	3.2	1
2890	Detection of disease-associated microglia among various microglia phenotypes induced by West Nile virus infection in mice. Journal of NeuroVirology, 2023, 29, 367-375.	2.1	1
2891	Extracellular Vesicles in Young Serum Contribute to the Restoration of Age-Related Brain Transcriptomes and Cognition in Old Mice. International Journal of Molecular Sciences, 2023, 24, 12550.	4.1	0
2892	Rescue of Alzheimer's disease phenotype in a mouse model by transplantation of wild-type hematopoietic stem and progenitor cells. Cell Reports, 2023, 42, 112956.	6.4	2
2893	Single-cell analysis reveals region-heterogeneous responses in rhesus monkey spinal cord with complete injury. Nature Communications, 2023, 14, .	12.8	5
2894	Disease-associated astrocytes and microglia markers are upregulated in mice fed high fat diet. Scientific Reports, 2023, 13, .	3.3	1
2895	Monocytes in neonatal stroke and hypoxicâ€ischemic encephalopathy: Pathophysiological mechanisms and therapeutic possibilities. , 2023, 1, 66-79.		1
2896	Current views on meningeal lymphatics and immunity in aging and Alzheimer's disease. Molecular Neurodegeneration, 2023, 18, .	10.8	4
2897	Microgliaâ€synapse engulfment via PtdSerâ€TREM2 ameliorates neuronal hyperactivity in Alzheimer's disease models. EMBO Journal, 2023, 42, .	7.8	15
2899	Microglial senescence contributes to female-biased neuroinflammation in the aging mouse hippocampus: implications for Alzheimer's disease. Journal of Neuroinflammation, 2023, 20, .	7.2	9
2901	Dietary Fiber and Microbiota Metabolite Receptors Enhance Cognition and Alleviate Disease in the 5xFAD Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2023, 43, 6460-6475.	3.6	7
2902	TREM2 is down-regulated by HSV1 in microglia and involved in antiviral defense in the brain. Science Advances, 2023, 9, .	10.3	1
2903	A neuron-immune circuit regulates neurodegeneration in the hindbrain and spinal cord of ARF1-ablated mice. National Science Review, 0, , .	9.5	0
2904	Myeloid-specific blockade of notch signaling alleviates dopaminergic neurodegeneration in Parkinson's disease by dominantly regulating resident microglia activation through NF-κB signaling. Frontiers in Immunology, 0, 14, .	4.8	0

#	Article	IF	CITATIONS
2905	Microglia-Astrocyte Communication in Alzheimer's Disease. Journal of Alzheimer's Disease, 2023, 95, 785-803.	2.6	3
2906	Microglial REV-ERBα regulates inflammation and lipid droplet formation to drive tauopathy in male mice. Nature Communications, 2023, 14, .	12.8	7
2907	Reactive gliosis and neuroinflammation: prime suspects in the pathophysiology of post-acute neuroCOVID-19 syndrome. Frontiers in Neurology, 0, 14, .	2.4	2
2908	Combined Analysis of mRNA Expression and Open Chromatin in Microglia. Methods in Molecular Biology, 2024, , 543-571.	0.9	1
2909	Translocator protein is a marker of activated microglia in rodent models but not human neurodegenerative diseases. Nature Communications, 2023, 14, .	12.8	12
2910	Multiancestry analysis of the HLA locus in Alzheimer's and Parkinson's diseases uncovers a shared adaptive immune response mediated by <i>HLA-DRB1*04</i> subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
2911	Neuroprotection by upregulation of the major histocompatibility complex class I (MHC I) in SOD1G93A mice. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	1
2912	Fundamental disincorporation and early non-inflammatory microglia alterations: Possible bridging phenomena between neurobiology and psychopathology in schizophrenia. Medical Hypotheses, 2023, 179, 111158.	1.5	0
2913	How brain â€~cleaners' fail: Mechanisms and therapeutic value of microglial phagocytosis in Alzheimer's disease. Glia, 2024, 72, 227-244.	4.9	1
2914	CXCR6 orchestrates brain CD8+ T cell residency and limits mouse Alzheimer's disease pathology. Nature Immunology, 2023, 24, 1735-1747.	14.5	20
2915	Transcriptional and epigenetic decoding of the microglial aging process. Nature Aging, 2023, 3, 1288-1311.	11.6	5
2916	Overview of the Molecular Modalities and Signaling Pathways Intersecting with β-Amyloid and Tau Protein in Alzheimer's Disease. Neuroglia (Basel, Switzerland), 2023, 4, 191-208.	0.9	0
2917	Mast cell deficiency improves cognition and enhances disease-associated microglia in 5XFAD mice. Cell Reports, 2023, 42, 113141.	6.4	1
2918	Microglial contribution to the pathology of neurodevelopmental disorders in humans. Acta Neuropathologica, 2023, 146, 663-683.	7.7	5
2920	The influence of inflammation and frailty in the aging continuum. Mechanisms of Ageing and Development, 2023, 215, 111872.	4.6	0
2921	How Many Alzheimer–Perusini's Atypical Forms Do We Still Have to Discover?. Biomedicines, 2023, 11, 2035.	3.2	1
2922	Diagnostic and therapeutic targeting of pathological tau proteins in neurodegenerative disorders. FEBS Open Bio, 2024, 14, 165-180.	2.3	0
2923	Urolithins: A Prospective Alternative against Brain Aging. Nutrients, 2023, 15, 3884.	4.1	0

#	Article	IF	Citations
2924	Using Stems to Bear Fruit: Deciphering the Role of Alzheimer's Disease Risk Loci in Human-Induced Pluripotent Stem Cell-Derived Microglia. Biomedicines, 2023, 11, 2240.	3.2	1
2925	Aging spinal cord microglia become phenotypically heterogeneous and preferentially target motor neurons and their synapses. Glia, 2024, 72, 206-221.	4.9	0
2926	cGAS–STING drives ageing-related inflammation and neurodegeneration. Nature, 2023, 620, 374-380.	27.8	77
2927	The VCAM1–ApoE pathway directs microglial chemotaxis and alleviates Alzheimer's disease pathology. Nature Aging, 2023, 3, 1219-1236.	11.6	6
2928	Increased microglia activation in late non entral nervous system cancer survivors links to chronic systemic symptomatology. Human Brain Mapping, 0, , .	3.6	0
2929	Microglial expression of CD83 governs cellular activation and restrains neuroinflammation in experimental autoimmune encephalomyelitis. Nature Communications, 2023, 14, .	12.8	4
2930	Generative modeling of single-cell gene expression for dose-dependent chemical perturbations. Patterns, 2023, 4, 100817.	5.9	1
2931	APOE4 impairs the microglial response in Alzheimer's disease by inducing TGFβ-mediated checkpoints. Nature Immunology, 2023, 24, 1839-1853.	14.5	20
2932	Microglia in neurodegenerative diseases: mechanism and potential therapeutic targets. Signal Transduction and Targeted Therapy, 2023, 8, .	17.1	23
2933	Plaque vicinity as a hotspot of microglial turnover in a mouse model of Alzheimer's disease. Glia, 2023, 71, 2884-2901.	4.9	3
2934	Publicly available ex vivo transcriptomics datasets to explore CNS physiology and neurodegeneration: state of the art and perspectives. Frontiers in Neuroscience, 0, 17, .	2.8	1
2935	Fusing Structural andÂFunctional Connectivities Using Disentangled VAE forÂDetecting MCI. Lecture Notes in Computer Science, 2023, , 3-13.	1.3	1
2936	Towards an Understanding of Microglia and Border-Associated Macrophages. Biology, 2023, 12, 1091.	2.8	1
2937	Transgenic expression of the HERV-W envelope protein leads to polarized glial cell populations and a neurodegenerative environment. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
2938	Nuclear envelope disruption triggers hallmarks of aging in lung alveolar macrophages. Nature Aging, 2023, 3, 1251-1268.	11.6	0
2939	Lipid metabolism transcriptomics of murine microglia in Alzheimer's disease and neuroinflammation. Scientific Reports, 2023, 13, .	3.3	5
2940	A single-cell transcriptional landscape of immune cells shows disease-specific changes of T cell and macrophage populations in human achalasia. Nature Communications, 2023, 14, .	12.8	1
2941	Regulatory T cell adoptive transfer alters uterine immune populations, increasing a novel MHC-Illow macrophage associated with healthy pregnancy. Frontiers in Immunology, 0, 14, .	4.8	0

#	Article	IF	CITATIONS
2942	Phenomic Microglia Diversity as a Druggable Target in the Hippocampus in Neurodegenerative Diseases. International Journal of Molecular Sciences, 2023, 24, 13668.	4.1	1
2943	Analyzing the glial proteome in Alzheimer's disease. Expert Review of Proteomics, 2023, 20, 197-209.	3.0	1
2944	Noteworthy perspectives on microglia in neuropsychiatric disorders. Journal of Neuroinflammation, 2023, 20, .	7.2	3
2945	Dysregulated glial genes in Alzheimer's disease are essential for homeostatic plasticity: Evidence from integrative epigenetic and single cell analyses. Aging Cell, 2023, 22, .	6.7	1
2946	Single-Cell RNA Sequencing Transcriptomics Revealed HCMV IE2-Related Microglia Responses in Alzheimer's-Like Disease in Transgenic Mice. Molecular Neurobiology, 2024, 61, 1331-1345.	4.0	0
2947	Human microglial state dynamics in Alzheimer's disease progression. Cell, 2023, 186, 4386-4403.e29.	28.9	29
2948	Age-dependent changes on fractalkine forms and their contribution to neurodegenerative diseases. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	1
2949	The role of glial autophagy in Alzheimer's disease. Molecular Psychiatry, 2023, 28, 4528-4539.	7.9	4
2950	Lipid metabolism in neurodegenerative diseases. , 2023, , 389-419.		0
2951	Neuroinflammation: The central enabler of postoperative cognitive dysfunction. Biomedicine and Pharmacotherapy, 2023, 167, 115582.	5.6	0
2952	Polarized microtubule remodeling transforms the morphology of reactive microglia and drives cytokine release. Nature Communications, 2023, 14, .	12.8	7
2953	Leukotriene signaling as molecular correlate for cognitive heterogeneity in aging: an exploratory study. Frontiers in Aging Neuroscience, 0, 15, .	3.4	0
2954	Effects of autologous serum on TREM2 and APOE in a personalized monocyte-derived macrophage assay of late-onset Alzheimer's patients. Immunity and Ageing, 2023, 20, .	4.2	1
2955	Pyrolae herba alleviates cognitive impairment via hippocampal TREM2 signaling modulating neuroinflammation and neurogenesis in lipopolysaccharide-treated mice. Journal of Ethnopharmacology, 2024, 319, 117214.	4.1	0
2956	A microglial activity state biomarker panel differentiates FTD-granulin and Alzheimer's disease patients from controls. Molecular Neurodegeneration, 2023, 18, .	10.8	0
2957	Plaque attack by microglial PLCγ2. Immunity, 2023, 56, 1985-1987.	14.3	0
2958	Nasal administration of anti-CD3 monoclonal antibody ameliorates disease in a mouse model of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	0
2959	Estrogen receptor beta in astrocytes modulates cognitive function in mid-age female mice. Nature Communications, 2023, 14, .	12.8	2

$\sim$	 	<b>D</b>	
		RE	דעהנ
		NLI	

#	Article	IF	CITATIONS
2960	Elevated α5 integrin expression on myeloid cells in motor areas in amyotrophic lateral sclerosis is a therapeutic target. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1
2961	Characterization of the responses of brain macrophages to focused ultrasound-mediated blood–brain barrier opening. Nature Biomedical Engineering, 0, , .	22.5	3
2962	Role and regulatory mechanism of microRNA mediated neuroinflammation in neuronal system diseases. Frontiers in Immunology, 0, 14, .	4.8	1
2963	Identification of methylation-regulated genes modulating microglial phagocytosis in hyperhomocysteinemia-exacerbated Alzheimer's disease. Alzheimer's Research and Therapy, 2023, 15, .	6.2	0
2964	Early Alzheimer's disease pathology in human cortex involves transient cell states. Cell, 2023, 186, 4438-4453.e23.	28.9	17
2965	Cell-autonomous effects of APOE4 in restricting microglial response in brain homeostasis and Alzheimer's disease. Nature Immunology, 2023, 24, 1854-1866.	14.5	12
2966	IGFBPL1 is a master driver of microglia homeostasis and resolution of neuroinflammation in glaucoma and brain tauopathy. Cell Reports, 2023, 42, 112889.	6.4	4
2967	The Role of Clial Cells in Synaptic Dysfunction: Insights into Alzheimer's Disease Mechanisms. , 2024, 15, 459.		4
2969	Fc multimers effectively treat murine models of multiple sclerosis. Frontiers in Immunology, 0, 14, .	4.8	0
2971	Glycometabolic Reprogramming of Microglia in Neurodegenerative Diseases: Insights from Neuroinflammation. , 2023, .		0
2972	Network analysis identifies strain-dependent response to tau and tau seeding-associated genes. Journal of Experimental Medicine, 2023, 220, .	8.5	1
2973	TAM receptors in phagocytosis: Beyond the mere internalization of particles. Immunological Reviews, 0, , .	6.0	3
2975	Endothelial senescence alleviates cognitive impairment in a mouse model of <scp>Alzheimer</scp> 's disease. Glia, 0, , .	4.9	0
2977	Genetic variants of phospholipase C-l³2 alter the phenotype and function of microglia and confer differential risk for Alzheimer's disease. Immunity, 2023, 56, 2121-2136.e6.	14.3	8
2979	Neuropathic pain decoded by microglial heterogeneity. Folia Pharmacologica Japonica, 2023, 158, 362-366.	0.2	0
2980	Glial Sphingosine-Mediated Epigenetic Regulation Stabilizes Synaptic Function in <i>Drosophila</i> Models of Alzheimer's Disease. Journal of Neuroscience, 2023, 43, 6954-6971.	3.6	1
2981	Genetic model of selective COX2 inhibition improve learning and memory ability and brain pathological changes in 5xFAD mouse. Brain Research, 2023, 1821, 148566.	2.2	0
2982	CD8+ T cells pump the brakes on Alzheimer's disease. Nature Immunology, 2023, 24, 1597-1598.	14.5	3

#	Article	IF	CITATIONS
2985	Systems level identification of a matrisome-associated macrophage polarisation state in multi-organ fibrosis. ELife, 0, 12, .	6.0	3
2986	Associations of cortical <i>SPP1</i> and <i>ITGAX</i> with cognition and common neuropathologies in older adults. Alzheimer's and Dementia, 2024, 20, 525-537.	0.8	1
2988	Inflammation and Brain Structure in Alzheimer's Disease and Other Neurodegenerative Disorders: a Mendelian Randomization Study. Molecular Neurobiology, 2024, 61, 1593-1604.	4.0	1
2990	Leprosy-specific subsets of macrophages and Schwann cells identified by single-cell RNA-sequencing. Pathology Research and Practice, 2023, 250, 154821.	2.3	0
2991	INPP5D/SHIP1: Expression, Regulation and Roles in Alzheimer's Disease Pathophysiology. Genes, 2023, 14, 1845.	2.4	0
2993	Control of hippocampal synaptic plasticity by microglia–dendrite interactions depends on genetic context in mouse models of Alzheimer's disease. Alzheimer's and Dementia, 2024, 20, 601-614.	0.8	2
2994	Single-Cell Mapping of Brain Myeloid Cell Subsets Reveals Key Transcriptomic Changes Favoring Neuroplasticity after Ischemic Stroke. Neuroscience Bulletin, 2024, 40, 65-78.	2.9	3
2995	Spatial and Temporal Mapping of Breast Cancer Lung Metastases Identify TREM2 Macrophages as Regulators of the Metastatic Boundary. Cancer Discovery, 2023, 13, 2610-2631.	9.4	5
2996	Tracking cell-type-specific temporal dynamics in human and mouse brains. Cell, 2023, 186, 4345-4364.e24.	28.9	4
2997	Discrete class I molecules on brain endothelium differentially regulate neuropathology in experimental cerebral malaria. Brain, 0, , .	7.6	3
3001	Consensus Clustering Strategy for Cell Type Assignments of scRNA-seq Data. , 2023, , .		0
3002	Microglia and Astrocytes in Amyotrophic Lateral Sclerosis: Disease-Associated States, Pathological Roles, and Therapeutic Potential. Biology, 2023, 12, 1307.	2.8	2
3003	MAGNETO: Cell type marker panel generator from single-cell transcriptomic data. Journal of Biomedical Informatics, 2023, 147, 104510.	4.3	1
3004	Integrating TSPO PET imaging and transcriptomics to unveil the role of neuroinflammation and amyloid-β deposition in Alzheimer's disease. European Journal of Nuclear Medicine and Molecular Imaging, 2024, 51, 455-467.	6.4	1
3005	Single cell proteomics. Potential applications in Head and Neck oncology. Oral Oncology, 2023, 146, 106586.	1.5	1
3008	STAMarker: determining spatial domain-specific variable genes with saliency maps in deep learning. Nucleic Acids Research, 0, , .	14.5	0
3009	Modulation of Neuroinflammation: Advances in Roles and Mechanisms of the IL-33/ST2 Axis Involved in Ischemic Stroke. NeuroImmunoModulation, 2023, 30, 226-236.	1.8	1
3010	Emerging roles for <scp>ITAM</scp> and <scp>ITIM</scp> receptor signaling in microglial biology and Alzheimer's diseaseâ€related amyloidosis. Journal of Neurochemistry, 0, , .	3.9	1

#	Article	IF	CITATIONS
3012	Alzheimer's diseaseâ€induced phagocytic microglia express a specific profile of coding and nonâ€coding RNAs. Alzheimer's and Dementia, 2024, 20, 954-974.	0.8	1
3014	Overlapping Neuroimmune Mechanisms and Therapeutic Targets in Neurodegenerative Disorders. Biomedicines, 2023, 11, 2793.	3.2	2
3015	Stimulation of TREM2 with agonistic antibodies—an emerging therapeutic option for Alzheimer's disease. Lancet Neurology, The, 2023, 22, 1048-1060.	10.2	0
3017	APOE4-promoted gliosis and degeneration in tauopathy are ameliorated by pharmacological inhibition of HMGB1 release. Cell Reports, 2023, 42, 113252.	6.4	3
3018	Mechanisms of ARIA: is it time to focus on the unique immune environment of the neurovascular unit?. Molecular Neurodegeneration, 2023, 18, .	10.8	2
3019	Coupling of Alzheimerâ $\in$ <sup>M</sup> s Disease Genetic Risk Factors with Viral Susceptibility and Inflammation. , 2023, .		0
3020	sTREM2 is associated with attenuated tau aggregate accumulation in the presence of amyloid- $\hat{l}^2$ pathology. Brain Communications, 2023, 5, .	3.3	1
3021	The Role and Therapeutic Implications of Inflammation in the Pathogenesis of Brain Arteriovenous Malformations. Biomedicines, 2023, 11, 2876.	3.2	0
3024	Primary cilia-mediated regulation of microglial secretion in Alzheimer's disease. Frontiers in Molecular Biosciences, 0, 10, .	3.5	1
3025	Emerging Alzheimer's disease therapeutics: promising insights from lipid metabolism and microglia-focused interventions. Frontiers in Aging Neuroscience, 0, 15, .	3.4	0
3026	CHIT1-positive microglia drive motor neuron ageing in the primate spinal cord. Nature, 2023, 624, 611-620.	27.8	5
3027	Neuronal TIMP2 regulates hippocampus-dependent plasticity and extracellular matrix complexity. Molecular Psychiatry, 2023, 28, 3943-3954.	7.9	1
3028	Loss of Lipid Carrier ApoE Exacerbates Brain Glial and Inflammatory Responses after Lysosomal GBA1 Inhibition. Cells, 2023, 12, 2564.	4.1	0
3029	Potential Retinal Biomarkers in Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 15834.	4.1	0
3030	Perspective from singleâ€cell sequencing: Is inflammation in acute ischemic stroke beneficial or detrimental?. CNS Neuroscience and Therapeutics, 2024, 30, .	3.9	0
3031	Microglia-mediated demyelination protects against CD8+ T cell-driven axon degeneration in mice carrying PLP defects. Nature Communications, 2023, 14, .	12.8	2
3032	CD300f immune receptor contributes to healthy aging by regulating inflammaging, metabolism, and cognitive decline. Cell Reports, 2023, 42, 113269.	6.4	0
3033	Oligodendrocyte progenitor cells in Alzheimer's disease: from physiology to pathology. Translational Neurodegeneration, 2023, 12, .	8.0	0

#	Article	IF	CITATIONS
3034	Microglial Rac1 is essential for experience-dependent brain plasticity and cognitive performance. Cell Reports, 2023, 42, 113447.	6.4	3
3035	Specificity and efficiency of tamoxifen-mediated Cre induction is equivalent regardless of age. IScience, 2023, 26, 108413.	4.1	0
3036	The dissolution, reassembly and further clearance of amyloidâ€î² fibrils by tailorâ€designed dissociable nanosystem for Alzheimer's disease therapy. Exploration, 0, , .	11.0	0
3037	Computational saturation mutagenesis to explore the effect of pathogenic mutations on extra-cellular domains of TREM2 associated with Alzheimer's and Nasu-Hakola disease. Journal of Molecular Modeling, 2023, 29, .	1.8	0
3038	Leveraging iPSC technology to assess neuro-immune interactions in neurological and psychiatric disorders. Frontiers in Psychiatry, 0, 14, .	2.6	0
3039	TFEB–vacuolar ATPase signaling regulates lysosomal function and microglial activation in tauopathy. Nature Neuroscience, 2024, 27, 48-62.	14.8	1
3040	Microglia heterogeneity in health and disease. FEBS Open Bio, 2024, 14, 217-229.	2.3	2
3041	Microglia sense astrocyte dysfunction and prevent disease progression in an Alexander disease model. Brain, 2024, 147, 698-716.	7.6	2
3042	Gut microbiome-targeted therapies for Alzheimer's disease. Gut Microbes, 2023, 15, .	9.8	8
3043	The role of TREM2 in Alzheimer's disease: from the perspective of Tau. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	0
3044	Macrophage heterogeneity in atherosclerosis: A matter of context. European Journal of Immunology, 2024, 54, .	2.9	0
3045	ATG5 (autophagy related 5) in microglia controls hippocampal neurogenesis in Alzheimer disease. Autophagy, 0, , 1-16.	9.1	0
3046	SCAN: Spatiotemporal Cloud Atlas for Neural cells. Nucleic Acids Research, 0, , .	14.5	0
3047	Microglia in Central Control of Metabolism. Physiology, 2024, 39, 5-17.	3.1	1
3048	Transformation of non-neuritic into neuritic plaques during AD progression drives cortical spread of tau pathology via regenerative failure. Acta Neuropathologica Communications, 2023, 11, .	5.2	1
3049	A global view of aging and Alzheimer's pathogenesis-associated cell population dynamics and mouse brains. Nature Genetics, 2023, 55, 2104-2116.	21.4	2
3051	The APOE-R136S mutation protects against APOE4-driven Tau pathology, neurodegeneration and neuroinflammation. Nature Neuroscience, 2023, 26, 2104-2121.	14.8	7
3052	Elucidating distinct molecular signatures of Lewy body dementias. Neurobiology of Disease, 2023, 188, 106337.	4.4	1

	Сітатіої	n Report	
#	Article	IF	CITATIONS
3053	Cellular senescence in brain aging and cognitive decline. Frontiers in Aging Neuroscience, 0, 15, .	3.4	1
3054	TREM2 regulates microglial lipid droplet formation and represses post-ischemic brain injury. Biomedicine and Pharmacotherapy, 2024, 170, 115962.	5.6	2
3055	Advances in the study of the effects of gut microflora on microglia in Alzheimer's disease. Frontiers in Molecular Neuroscience, 0, 16, .	2.9	0
3056	CD11c is not required by microglia to convey neuroprotection after prion infection. PLoS ONE, 2023, 18, e0293301.	2.5	0
3057	Cerebrospinal and Blood Biomarkers in Alzheimer's Disease: Did Mild Cognitive Impairment Definition Affect Their Clinical Usefulness?. International Journal of Molecular Sciences, 2023, 24, 16908.	4.1	0
3058	Microglial function, INPP5D/SHIP1 signaling, and NLRP3 inflammasome activation: implications for Alzheimer's disease. Molecular Neurodegeneration, 2023, 18, .	10.8	Ο
3059	Microglia promote anti-tumour immunity and suppress breast cancer brain metastasis. Nature Cell Biology, 2023, 25, 1848-1859.	10.3	1
3060	The neurobiology of SARS-CoV-2 infection. Nature Reviews Neuroscience, 2024, 25, 30-42.	10.2	3
3061	The Î <sup>3</sup> -secretase substrate proteome and its role in cell signaling regulation. Molecular Cell, 2023, 83, 4106-4122.e10.	9.7	1
3062	Might Diet, APOE-APOA1 Axis, and Iron Metabolism Provide Clues About the Discrepancy in Alzheimer's Disease Occurrence Between Humans and Chimpanzees? A Bioinformatics-Based Re-Analysis of Gene Expression Data on Mice Fed with Human and Chimpanzee Diets. Biological Trace Element Research, 0, ,	3.5	0
3063	Repurposing of pexidartinib for microglia depletion and renewal. , 2024, 253, 108565.		0
3064	A Spleen Tyrosine Kinaseâ $\in$ Ms Sky in Neuronal Degeneration. Neuroscience Bulletin, 0, , .	2.9	0
3065	Immunology of amyotrophic lateral sclerosis – role of the innate and adaptive immunity. Frontiers in Neuroscience, 0, 17, .	2.8	0
3068	Microglia in pediatric brain tumors: The missing link to successful immunotherapy. Cell Reports Medicine, 2023, 4, 101246.	6.5	0
3069	Role of trigger receptor 2 expressed on myeloid cells in neuroinflammationï¼neglected multidimensional regulation of microglia. Neurochemistry International, 2023, 171, 105639.	3.8	0
3072	Signaling pathways regulating the immune function of cochlear supporting cells and their involvement in cochlear pathophysiology. Glia, 2024, 72, 665-676.	4.9	0
3073	Exploring the Disease-Associated Microglia State in Amyotrophic Lateral Sclerosis. Biomedicines, 2023, 11, 2994.	3.2	0
3074	LAG-3 expression in microglia regulated by IFN-Ĵ³/STAT1 pathway and metalloproteases. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	0

#	Article	IF	Citations
3075	Identification of State-Specific Proteomic and Transcriptomic Signatures of Microglia-Derived Extracellular Vesicles. Molecular and Cellular Proteomics, 2023, 22, 100678.	3.8	2
3076	Jedi-1/MEGF12-mediated phagocytosis controls the pro-neurogenic properties of microglia in the ventricular-subventricular zone. Cell Reports, 2023, 42, 113423.	6.4	0
3077	Rapid and signal crowdedness-robust in situ sequencing through hybrid block coding. Proceedings of the United States of America, 2023, 120, .	7.1	1
3081	<scp>iPSC</scp> â€derived microglia carrying the <scp>TREM2 R47H</scp> /+ mutation are proinflammatory and promote synapse loss. Glia, 2024, 72, 452-469.	4.9	1
3082	Association of <i>APOE</i> Haplotypes With Common Age-Related Ocular Diseases in 412,171 Individuals. , 2023, 64, 33.		1
3083	Galectin-3 aggravates microglial activation and tau transmission in tauopathy. Journal of Clinical Investigation, 0, , .	8.2	0
3084	Integrative Analysis of Machine Learning and Molecule Docking Simulations for Ischemic Stroke Diagnosis and Therapy. Molecules, 2023, 28, 7704.	3.8	0
3085	Amelioration of Tau and ApoE4-linked glial lipid accumulation and neurodegeneration with an LXR agonist. Neuron, 2024, 112, 384-403.e8.	8.1	5
3088	Longitudinal single-cell transcriptional dynamics throughout neurodegeneration in SCA1. Neuron, 2024, 112, 362-383.e15.	8.1	0
3089	Effect of triggering receptor expressed on myeloid cells 2â€associated alterations on lipid metabolism in macrophages in the development of nonâ€alcoholic fatty liver disease. Journal of Gastroenterology and Hepatology (Australia), 2024, 39, 369-380.	2.8	0
3090	Galectinâ€3 is upregulated in frontotemporal dementia patients with subtype specificity. Alzheimer's and Dementia, 0, , .	0.8	0
3091	Microglia dynamic response and phenotype heterogeneity in neural regeneration following hypoxic-ischemic brain injury. Frontiers in Immunology, 0, 14, .	4.8	0
3092	INPP5D regulates inflammasome activation in human microglia. Nature Communications, 2023, 14, .	12.8	4
3096	Contextualizing the Role of Osteopontin in the Inflammatory Responses of Alzheimer's Disease. Biomedicines, 2023, 11, 3232.	3.2	0
3097	Pathways linking microbiota-gut-brain axis with neuroinflammatory mechanisms in Alzheimer's pathophysiology. , 0, 3, .		1
3099	Current Advances and Future Perspectives on Mesenchymal Stem Cell-Derived Extracellular Vesicles in Alzheimer's Disease. , 2023, .		1
3100	Unravelling the in vitro and in vivo potential of selenium nanoparticles in Alzheimer's disease: A bioanalytical review. Talanta, 2024, 269, 125519.	5.5	1
3102	APOE3ch alters microglial response and suppresses AÎ <sup>2</sup> -induced tau seeding and spread. Cell, 2024, 187, 428-445.e20.	28.9	5

#	Article	IF	CITATIONS	
3103	Acute ischemia induces spatially and transcriptionally distinct microglial subclusters. Genome Medicine, 2023, 15, .	8.2	3	
3104	Cystatin F (Cst7) drives sex-dependent changes in microglia in an amyloid-driven model of Alzheimer's disease. ELife, 0, 12, .	6.0	1	
3105	Minding the Gap: Exploring Neuroinflammatory and Microglial Sex Differences in Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 17377.	4.1	0	
3106	Microglial Senescence and Activation in Healthy Aging and Alzheimer's Disease: Systematic Review and Neuropathological Scoring. Cells, 2023, 12, 2824.	4.1	1	
3107	Dysregulated CD200-CD200R signaling in early diabetes modulates microglia-mediated retinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	1	
3108	Sleep restoration by optogenetic targeting of GABAergic neurons reprograms microglia and ameliorates pathological phenotypes in an Alzheimer's disease model. Molecular Neurodegeneration, 2023, 18, .	10.8	1	
3109	Spatiotemporal characterization of glial cell activation in an Alzheimer's disease model by spatially resolved transcriptomics. Experimental and Molecular Medicine, 0, , .	7.7	0	
3110	Sex-dimorphic neuroprotective effect of CD163 in an α-synuclein mouse model of Parkinson's disease. Npj Parkinson's Disease, 2023, 9, .	5.3	0	
3111	Human iPSC-derived microglia carrying the LRRK2-G2019S mutation show a Parkinson's disease related transcriptional profile and function. Scientific Reports, 2023, 13, .	3.3	2	
3112	Resident immune responses to spinal cord injury: role of astrocytes and microglia. Neural Regeneration Research, 2024, 19, 1678-1685.	3.0	0	
3113	Interplay between microglia and environmental risk factors in Alzheimer's disease. Neural Regeneration Research, 2024, 19, 1718-1727.	3.0	0	
3115	Skipping of FCER1G Exon 2 Is Common in Human Brain But Not Associated with the Alzheimer's Disease Genetic Risk Factor rs2070902. Journal of Alzheimer's Disease Reports, 2023, 7, 1313-1322.	2.2	0	
3116	Deciphering Immune Landscape Remodeling Unravels the Underlying Mechanism for Synchronized Muscle and Bone Aging. Advanced Science, 0, , .	11.2	1	
3118	Human neural stem cells restore spatial memory in a transgenic Alzheimer's disease mouse model by an immunomodulating mechanism. Frontiers in Aging Neuroscience, 0, 15, .	3.4	1	
3119	The Impact of Dipyridamole on Disease-Associated Microglia Phenotypic Transformation in White Matter Lesions Induced by Chronic Cerebral Hypoperfusion. Neurochemical Research, 2024, 49, 744-757.	3.3	0	
3120	Advances of Genome Editing with CRISPR/Cas9 in Neurodegeneration: The Right Path towards Therapy. Biomedicines, 2023, 11, 3333.	3.2	1	
3121	Severity of Peripheral Infection Differentially Affects Brain Functions in Mice via Microglia-Dependent and -Independent Mechanisms. International Journal of Molecular Sciences, 2023, 24, 17597.	4.1	0	
3122	Nanomaterials as Microglia Modulators in the Treatment of Central Nervous System Disorders. Advanced Healthcare Materials, 0, , .	7.6	0	
		CITATION REPORT		
------	--	--------------------------	------	-----------
#	Article		IF	CITATIONS
3123	Microglial APOE4: more is less and less is more. Molecular Neurodegeneration, 2023, 1	18,.	10.8	0
3125	Spatio-temporal dynamics of microglia phenotype in human and murine cSVD: impact chronic hypertensive states. Acta Neuropathologica Communications, 2023, 11, .	of acute and	5.2	0
3126	Comparative Insight into Microglia/Macrophages-Associated Pathways in Glioblastoma Alzheimer's Disease. International Journal of Molecular Sciences, 2024, 25, 16.	and	4.1	1
3127	Multiomic spatial landscape of innate immune cells at human central nervous system b Medicine, 2024, 30, 186-198.	oorders. Nature	30.7	6
3128	TREX1 is required for microglial cholesterol homeostasis and oligodendrocyte terminal differentiation in human neural assembloids. Molecular Psychiatry, 0, , .	1	7.9	0
3129	New insight on microglia activation in neurodegenerative diseases and therapeutics. F Neuroscience, 0, 17, .	rontiers in	2.8	1
3131	TREM2â€IGF1 Mediated Glucometabolic Enhancement Underlies Microglial Neuroprot During Ischemic Stroke. Advanced Science, 2024, 11, .	ective Properties	11.2	0
3132	ATM-deficiency-induced microglial activation promotes neurodegeneration in ataxia-te Cell Reports, 2024, 43, 113622.	langiectasia.	6.4	2
3133	An exhausted-like microglial population accumulates in aged and APOE4 genotype Alz Immunity, 2023, , .	heimer's brains.	14.3	0
3134	Trem2 expression in microglia is required to maintain normal neuronal bioenergetics d development. Immunity, 2023, , .	uring	14.3	3
3135	Identification of female-enriched and disease-associated microglia (FDAMic) contribute dimorphism in late-onset Alzheimer's disease. Journal of Neuroinflammation, 2024	es to sexual •, 21, .	7.2	0
3136	Cell type-specific roles of APOE4 in Alzheimer disease. Nature Reviews Neuroscience, 2	2024, 25, 91-110.	10.2	3
3137	Role of microglia in stroke. Clia, 2024, 72, 1016-1053.		4.9	2
3138	The aging mouse CNS is protected by an autophagy-dependent microglia population p Nature Communications, 2024, 15, .	promoted by IL-34.	12.8	2
3139	Deciphering microglia phenotypes in health and disease. Current Opinion in Genetics a 2024, 84, 102146.	and Development,	3.3	0
3140	Lipid droplets, autophagy, and ageing: A cell-specific tale. Ageing Research Reviews, 20	024, 94, 102194.	10.9	0
3141	Singleâ€cell transcriptomics analysis of cellular heterogeneity and immune mechanism neurodegenerative diseases. European Journal of Neuroscience, 2024, 59, 333-357.	ıs in	2.6	1
3142	Analysis of brain and blood single-cell transcriptomics in acute and subacute phases af experimental stroke. Nature Immunology, 2024, 25, 357-370.	ter	14.5	4

#	Article	IF	CITATIONS
3143	Different inflammatory signatures based on CSF biomarkers relate to preserved or diminished brain structure and cognition. Molecular Psychiatry, 0, , .	7.9	0
3144	Intruders or protectors – the multifaceted role of B cells in CNS disorders. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	0
3145	The interaction between ageing and Alzheimer's disease: insights from the hallmarks of ageing. Translational Neurodegeneration, 2024, 13, .	8.0	1
3146	Activation of GPR3-β-arrestin2-PKM2 pathway in Kupffer cells stimulates glycolysis and inhibits obesity and liver pathogenesis. Nature Communications, 2024, 15, .	12.8	0
3147	Radiation Therapy in Alzheimer's Disease: A Systematic Review. International Journal of Radiation Oncology Biology Physics, 2023, , .	0.8	3
3148	Lamininâ€Augmented Decellularized Extracellular Matrix Ameliorating Neural Differentiation and Neuroinflammation in Human Miniâ€Brains. Small, 0, , .	10.0	0
3149	The influence of rs75932628 and rs2234253 polymorphisms of the TREM2 gene and the mTOR signaling pathway in the development of Alzheimer's disease. Reports of Vinnytsia National Medical University, 2023, 27, 662-668.	0.1	0
3153	Distinct microglial transcriptomic signatures within the hippocampus. PLoS ONE, 2024, 19, e0296280.	2.5	0
3154	Decoding the spatiotemporal regulation of transcription factors during human spinal cord development. Cell Research, 2024, 34, 193-213.	12.0	1
3155	Microglial STING activation alleviates nerve injury-induced neuropathic pain in male but not female mice. Brain, Behavior, and Immunity, 2024, 117, 51-65.	4.1	1
3156	Single-cell sequencing reveals an important role of SPP1 and microglial activation in age-related macular degeneration. Frontiers in Cellular Neuroscience, 0, 17, .	3.7	0
3157	The Importance of Complement-Mediated Immune Signaling in Alzheimer's Disease Pathogenesis. International Journal of Molecular Sciences, 2024, 25, 817.	4.1	2
3158	TIMely connections: APOE4, aging, and Alzheimer's. Immunity, 2024, 57, 8-10.	14.3	0
3160	Genetic background variation impacts microglial heterogeneity and disease progression in amyotrophic lateral sclerosis model mice. IScience, 2024, 27, 108872.	4.1	0
3161	CCR5 regulates Aβ1-42-induced learning and memory deficits in mice. Neurobiology of Learning and Memory, 2024, 208, 107890.	1.9	0
3162	The role of microglia in the pathogenesis of diabetic-associated cognitive dysfunction. Frontiers in Endocrinology, 0, 14, .	3.5	0
3163	The Neurotherapeutic Arsenal in Cannabis sativa: Insights into Anti-Neuroinflammatory and Neuroprotective Activity and Potential Entourage Effects. Molecules, 2024, 29, 410.	3.8	0
3164	Susceptibility to acute cognitive dysfunction in aged mice is underpinned by reduced white matter integrity and microgliosis. Communications Biology, 2024, 7, .	4.4	0

#	Article	IF	CITATIONS
3165	Modulation of Microglial Function by ATP-Gated P2X7 Receptors: Studies in Rat, Mice and Human. Cells, 2024, 13, 161.	4.1	0
3166	Aducanumab anti-amyloid immunotherapy induces sustained microglial and immune alterations. Journal of Experimental Medicine, 2024, 221, .	8.5	0
3167	Triggering receptor expressed on myeloid cells 2 (TREM2) regulates phagocytosis in glioblastoma. Neuro-Oncology, 2024, 26, 826-839.	1.2	2
3168	Using Biological Processes as Prior Knowledge Identifies New Microglial Immune Signatures at Single Cell Level in Alzheimer's Disease. , 2023, , .		0
3171	Neuroinflammatory gene expression profiles of reactive glia in the substantia nigra suggest a multidimensional immune response to alpha synuclein inclusions. Neurobiology of Disease, 2024, 191, 106411.	4.4	0
3172	TREM2 in Alzheimer's disease: Structure, function, therapeutic prospects, and activation challenges. Molecular and Cellular Neurosciences, 2024, 128, 103917.	2.2	0
3173	Repopulated spinal cord microglia exhibit a unique transcriptome and contribute to pain resolution. Cell Reports, 2024, 43, 113683.	6.4	0
3175	Virus-induced brain pathology and the neuroinflammation-inflammation continuum: the neurochemists view. Journal of Neural Transmission, 0, , .	2.8	0
3176	Apolipoprotein E secreted by astrocytes forms antiparallel dimers in discoidal lipoproteins. Neuron, 2024, 112, 1100-1109.e5.	8.1	0
3178	Hotspots and trends of microglia in Alzheimer's disease: a bibliometric analysis during 2000–2022. European Journal of Medical Research, 2024, 29, .	2.2	0
3179	Neurodegenerative Disorders. , 2023, , 151-166.		0
3183	Characterization of pSer129-αSyn Pathology and Neurofilament Light-Chain Release across In Vivo, Ex Vivo, and In Vitro Models of Pre-Formed-Fibril-Induced αSyn Aggregation. Cells, 2024, 13, 253.	4.1	0
3184	Cell States and Interactions of CD8 T Cells and Disease-Enriched Microglia in Human Brains with Alzheimer's Disease. Biomedicines, 2024, 12, 308.	3.2	0
3185	The TIMP protein family: diverse roles in pathophysiology. American Journal of Physiology - Cell Physiology, 2024, 326, C917-C934.	4.6	0
3186	Inflammasome signaling is dispensable for ß-amyloid-induced neuropathology in preclinical models of Alzheimer's disease. Frontiers in Immunology, 0, 15, .	4.8	0
3187	Non-invasive in vivo imaging of brain and retinal microglia in neurodegenerative diseases. Frontiers in Cellular Neuroscience, 0, 18, .	3.7	0
3188	Microglia at sites of atrophy restrict the progression of retinal degeneration via galectin-3 and Trem2. Journal of Experimental Medicine, 2024, 221, .	8.5	0
3189	Treatment with glatiramer acetate in APPswe/PS1dE9 mice at an early stage of Alzheimer's disease prior to amyloid-beta deposition delays the disease's pathological development and ameliorates cognitive decline. Frontiers in Aging Neuroscience, 0, 16, .	3.4	0

#	Article	IF	CITATIONS
3190	Clearance of Î <sup>2</sup> -amyloid and synapses by the optogenetic depolarization of microglia is complement selective. Neuron, 2024, 112, 740-754.e7.	8.1	0
3193	Colony Stimulating Factor-1 Receptor: An emerging target for neuroinflammation PET imaging and AD therapy. Bioorganic and Medicinal Chemistry, 2024, 100, 117628.	3.0	0
3194	Neuroinflammatory disease signatures in SPG11-related hereditary spastic paraplegia patients. Acta Neuropathologica, 2024, 147, .	7.7	0
3195	Tmem119 expression is downregulated in a subset of brain metastasis-associated microglia. BMC Neuroscience, 2024, 25, .	1.9	0
3196	Microglia maintain structural integrity during fetal brain morphogenesis. Cell, 2024, 187, 962-980.e19.	28.9	0
3197	Fate mapping of Spp1 expression reveals age-dependent plasticity of disease-associated microglia-like cells after brain injury. Immunity, 2024, 57, 349-363.e9.	14.3	1
3198	Innate immunity in brain aging and neurodegeneration. Aging Brain, 2024, 5, 100108.	1.3	0
3199	SELENOK-dependent CD36 palmitoylation regulates microglial functions and AÎ <sup>2</sup> phagocytosis. Redox Biology, 2024, 70, 103064.	9.0	0
3200	Microbiota–gut–brain axis and its therapeutic applications in neurodegenerative diseases. Signal Transduction and Targeted Therapy, 2024, 9, .	17.1	0
3201	Dynamics of host immune responses and a potential function of Trem2hi interstitial macrophages in Pneumocystis pneumonia. Respiratory Research, 2024, 25, .	3.6	0
3202	The Surprising Nonlinear Effects of S100A9 Proteins in the Retina. ACS Chemical Neuroscience, 2024, 15, 735-744.	3.5	0
3203	Sex- and region-specific cortical and hippocampal whole genome transcriptome profiles from control and APP/PS1 Alzheimer's disease mice. PLoS ONE, 2024, 19, e0296959.	2.5	0
3204	The diversity, destiny, and memory of DAMs. Immunity, 2024, 57, 200-202.	14.3	0
3205	The miR-25802/KLF4/NF-κB signaling axis regulates microglia-mediated neuroinflammation in Alzheimer's disease. Brain, Behavior, and Immunity, 2024, 118, 31-48.	4.1	0
3206	Differences in molecular sampling and data processing explain variation among single-cell and single-nucleus RNA-seq experiments. Genome Research, 2024, 34, 179-188.	5.5	0
3207	Radiotherapy induces persistent innate immune reprogramming of microglia into a primed state. Cell Reports, 2024, 43, 113764.	6.4	1
3208	Established and emerging techniques for the study of microglia: visualization, depletion, and fate mapping. Frontiers in Cellular Neuroscience, 0, 18, .	3.7	0
3209	Reduced progranulin increases tau and α-synuclein inclusions and alters mouse tauopathy phenotypes via glucocerebrosidase. Nature Communications, 2024, 15, .	12.8	0

#	Article	IF	CITATIONS
3210	Sodium oligomannate alters gut microbiota, reduces cerebral amyloidosis and reactive microglia in a sex-specific manner. Molecular Neurodegeneration, 2024, 19, .	10.8	0
3211	Endo-lysosomal dysfunction and neuronal–glial crosstalk in Niemann–Pick type C disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2024, 379, .	4.0	0
3212	Roles of Microglia in Neurodegenerative Diseases. Yonago Acta Medica, 2024, 67, 1-8.	0.7	0
3213	Emerging role of senescent microglia in brain aging-related neurodegenerative diseases. Translational Neurodegeneration, 2024, 13, .	8.0	0
3214	Monoclonal antibody therapy for Alzheimer's disease focusing on intracerebral targets. BioScience Trends, 2024, 18, 49-65.	3.4	0
3215	Silencing <i>Apoe</i> with divalentâ€siRNAs improves amyloid burden and activates immune response pathways in Alzheimer's disease. Alzheimer's and Dementia, 2024, 20, 2632-2652.	0.8	0
3216	Parkinson's disease-derived α-synuclein assemblies combined with chronic-type inflammatory cues promote a neurotoxic microglial phenotype. Journal of Neuroinflammation, 2024, 21, .	7.2	0
3217	Human stem cell transplantation models of Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 16,	3.4	0
3218	Unveiling macrophage diversity in myocardial ischemia-reperfusion injury: identification of a distinct lipid-associated macrophage subset. Frontiers in Immunology, 0, 15, .	4.8	0
3219	Molecular cross-talk between long COVID-19 and Alzheimer's disease. GeroScience, 2024, 46, 2885-2899.	4.6	0
3220	<scp>S100A8</scp> â€enriched microglia populate the brain of tauâ€seeded and accelerated aging mice. Aging Cell, 0, , .	6.7	0
3221	Single-cell RNA sequencing reveals roles of unique retinal microglia types in early diabetic retinopathy. Diabetology and Metabolic Syndrome, 2024, 16, .	2.7	0
3226	Mechanism of Efferocytosis in Determining Ischaemic Stroke Resolution—Diving into Microglia/Macrophage Functions and Therapeutic Modality. Molecular Neurobiology, 0, , .	4.0	0
3227	An Insertion Within SIRPβ1 Shows a Dual Effect Over Alzheimer's Disease Cognitive Decline Altering the Microglial Response. Journal of Alzheimer's Disease, 2024, 98, 601-618.	2.6	0
3229	Regional Differences in the Small Intestinal Proteome of Control Mice and of Mice Lacking Lysosomal Acid Lipase. Journal of Proteome Research, 2024, 23, 1506-1518.	3.7	0
3230	Genetic diversity promotes resilience in a mouse model of Alzheimer's disease. Alzheimer's and Dementia, 2024, 20, 2794-2816.	0.8	0
3231	Effects of environmentally relevant concentration of short-chain chlorinated paraffins on BV2 microglia activation and lipid metabolism, implicating altered neurogenesis. Environmental Research, 2024, 251, 118602.	7.5	0
3232	The dichotomous activities of microglia: A potential driver for phenotypic heterogeneity in Alzheimer's disease. Brain Research, 2024, 1832, 148817.	2.2	0

#	Article	IF	CITATIONS
3233	Glial Cell Activation and Immune Responses in Glaucoma: A Systematic Review of Human Postmortem Studies of the Retina and Optic Nerve. , 2024, .		0
3234	Macrophage activation contributes to diabetic retinopathy. Journal of Molecular Medicine, 2024, 102, 585-597.	3.9	0
3237	Cholesterol 25-hydroxylase mediates neuroinflammation and neurodegeneration in a mouse model of tauopathy. Journal of Experimental Medicine, 2024, 221, .	8.5	0
3238	Highâ€Dimensional Methods of Singleâ€Cell Microglial Profiling to Enhance Understanding of Neuropathological Disease. Current Protocols, 2024, 4, .	2.9	0
3239	BHLHE40/41 regulate microglia and peripheral macrophage responses associated with Alzheimer's disease and other disorders of lipid-rich tissues. Nature Communications, 2024, 15, .	12.8	0
3241	Lupus autoantibodies initiate neuroinflammation sustained by continuous HMCB1:RAGE signaling and reversed by increased LAIR-1 expression. Nature Immunology, 2024, 25, 671-681.	14.5	0
3242	TREM2 deficiency impairs the energy metabolism of Schwann cells and exacerbates peripheral neurological deficits. Cell Death and Disease, 2024, 15, .	6.3	0
3243	Microglial Transforming Growth Factor-β Signaling in Alzheimer's Disease. International Journal of Molecular Sciences, 2024, 25, 3090.	4.1	0
3244	Mitochondrial complex I activity in microglia sustains neuroinflammation. Nature, 2024, 628, 195-203.	27.8	0
3245	Microglial AT1R Conditional Knockout Ameliorates Hypoperfusive Cognitive Impairment by Reducing Microglial Inflammatory Responses. Neuroscience, 2024, 545, 125-140.	2.3	0
3247	Neurotoxic Microglial Activation via IFNγâ€induced Nrf2 Reduction Exacerbating Alzheimer's Disease. Advanced Science, 0, , .	11.2	0
3249	Type-I-interferon-responsive microglia shape cortical development and behavior. Cell, 2024, 187, 1936-1954.e24.	28.9	0
3250	Beyond Quiescent and Active: Intermediate Microglial Transcriptomic States in a Mouse Model of Down Syndrome. International Journal of Molecular Sciences, 2024, 25, 3289.	4.1	0
3251	Epigenetic control of microglial immune responses. Immunological Reviews, 0, , .	6.0	0
3256	Switch of innate to adaptative immune responses in the brain of patients with Alzheimer's disease correlates with tauopathy progression. , 2024, 10, .		0
3258	Trichostatin A relieves anxiety-and depression-like symptoms in APP/PS1 mice. Frontiers in Pharmacology, 0, 15, .	3.5	0
3259	Microglial <scp>ApoD</scp> â€induced <scp>NLRC4</scp> inflammasome activation promotes Alzheimer's disease progression. Animal Models and Experimental Medicine, 0, , .	3.3	0
3260	TMEM106B coding variant is protective and deletion detrimental in a mouse model of tauopathy. Acta Neuropathologica, 2024, 147, .	7.7	0

#	Article	IF	Citations
3262	APOE4 genotype and aging impair injury-induced microglial behavior in brain slices, including toward Aβ, through P2RY12. Molecular Neurodegeneration, 2024, 19, .	10.8	0
3264	Therapeutic potential to target sialylation and SIGLECs in neurodegenerative and psychiatric diseases. Frontiers in Neurology, 0, 15, .	2.4	0
3265	TREM2 protects from atherosclerosis by limiting necrotic core formation. , 2024, 3, 269-282.		0
3266	The proteomic landscape of microglia in health and disease. Frontiers in Cellular Neuroscience, 0, 18, .	3.7	0
3267	Brain hypothyroidism silences the immune response of microglia in Alzheimer's disease animal model. Science Advances, 2024, 10, .	10.3	0
3268	The Neuro-Inflammatory Microenvironment: An Important Regulator of Stem Cell Survival in Alzheimer's Disease. Journal of Alzheimer's Disease, 2024, 98, 741-754.	2.6	0
3269	A single-nuclei paired multiomic analysis of the human midbrain reveals age- and Parkinson's disease–associated glial changes. Nature Aging, 2024, 4, 364-378.	11.6	0
3270	Early amyloidâ€induced changes in microglia gene expression in male <scp>APP</scp> / <scp>PS1</scp> mice. Journal of Neuroscience Research, 2024, 102, .	2.9	0
3271	Single-cell dissection of the human motor and prefrontal cortices in ALS and FTLD. Cell, 2024, 187, 1971-1989.e16.	28.9	0
3272	Investigation of the acute pathogenesis of spondyloarthritis/HLA-B27-associated anterior uveitis based on genome-wide association analysis and single-cell transcriptomics. Journal of Translational Medicine, 2024, 22, .	4.4	0
3273	Neuropathogenesis-on-chips for neurodegenerative diseases. Nature Communications, 2024, 15, .	12.8	0
3274	Neurotoxic effects of polystyrene nanoplastics on memory and microglial activation: Insights from in vivo and in vitro studies. Science of the Total Environment, 2024, 924, 171681.	8.0	0
3275	Hepatic danger signaling triggers TREM2 <sup>+</sup> macrophage induction and drives steatohepatitis via MS4A7-dependent inflammasome activation. Science Translational Medicine, 2024, 16, .	12.4	0
3276	Deletion of Slc9a1 in Cx3cr1+ cells stimulated microglial subcluster CREB1 signaling and microglia-oligodendrocyte crosstalk. Journal of Neuroinflammation, 2024, 21, .	7.2	0
3277	P-tau217 correlates with neurodegeneration in Alzheimer's disease, and targeting p-tau217 with immunotherapy ameliorates murine tauopathy. Neuron, 2024, , .	8.1	0
3278	The <i>Abca7<sup>V1613M</sup></i> variant reduces Al̂ <sup>2</sup> generation, plaque load, and neuronal damage. Alzheimer's and Dementia, 0, , .	0.8	0
3280	Myeloid cell replacement is neuroprotective in chronic experimental autoimmune encephalomyelitis. Nature Neuroscience, 0, , .	14.8	0
3281	Distinctive whole-brain cell types predict tissue damage patterns in thirteen neurodegenerative conditions. ELife, 0, 12, .	6.0	0

#	Article	IF	CITATIONS
3282	Neurosyphilis is characterized by a compartmentalized and robust neuroimmune response but not by neuronal injury. Med, 2024, 5, 321-334.e3.	4.4	0