

A Unique Microglia Type Associated with Restricting D

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Citation Report

#	ARTICLE	IF	CITATIONS
1	DAMed in (Trem) 2 Steps. Cell, 2017, 169, 1172-1174.	13.5	7
2	Deciphering microglial diversity in Alzheimer's disease. Science, 2017, 356, 1123-1124.	6.0	15
3	Autophagy gene FIP200 in neural progenitors non- cell autonomously controls differentiation by regulating microglia. Journal of Cell Biology, 2017, 216, 2581-2596.	2.3	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.	3.3	16
5	TREM2: Keeping Microglia Fit during Good Times and Bad. Cell Metabolism, 2017, 26, 590-591.	7.2	8
6	The promise of spatial transcriptomics for neuroscience in the era of molecular cell typing. Science, 2017, 358, 64-69.	6.0	333
7	Single-cell transcriptomics to explore the immune system in health and disease. Science, 2017, 358, 58-63.	6.0	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.	3.3	328
9	Temporal Tracking of Microglia Activation in Neurodegeneration at Single-Cell Resolution. Cell Reports, 2017, 21, 366-380.	2.9	538
10	Lipoprotein Lipase Maintains Microglial Innate Immunity in Obesity. Cell Reports, 2017, 20, 3034-3042.	2.9	89
11	Early and Late CNS Inflammation in Alzheimer's Disease: Two Extremes of a Continuum?. Trends in Pharmacological Sciences, 2017, 38, 956-966.	4.0	119
12	The TREM2-APOE Pathway Drives the Transcriptional Phenotype of Dysfunctional Microglia in Neurodegenerative Diseases. Immunity, 2017, 47, 566-581.e9.	6.6	1,741
13	A Tale of Two Genes: Microglial Apoe and Trem2. Immunity, 2017, 47, 398-400.	6.6	43
14	Microglia emerge as central players in brain disease. Nature Medicine, 2017, 23, 1018-1027.	15.2	1,208
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16	TREM2 shedding by cleavage at the H157A-E158 bond is accelerated for the Alzheimer's disease-associated H157Y variant. EMBO Molecular Medicine, 2017, 9, 1366-1378.	3.3	120
17	Can immunotherapy treat neurodegeneration?. Science, 2017, 357, 254-255.	6.0	39
18	Spatial reconstruction of immune niches by combining photoactivatable reporters and scRNA-seq. Science, 2017, 358, 1622-1626.	6.0	176

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19	A genetically distinct microglial subset promotes myelination. <i>EMBO Journal</i> , 2017, 36, 3269-3271.	3.5	9
20	A protective population?. <i>Nature Reviews Neuroscience</i> , 2017, 18, 454-454.	4.9	3
21	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. <i>Neuron</i> , 2017, 96, 1290-1302.e6.	3.8	107
22	The Locomotion Tug-of-War: Cholinergic and Dopaminergic Interactions Outside the Striatum. <i>Neuron</i> , 2017, 96, 1208-1210.	3.8	0
23	United Again: STING and the Police. <i>Neuron</i> , 2017, 96, 1207-1208.	3.8	1
24	In Vivo Imaging of Microglial Calcium Signaling in Brain Inflammation and Injury. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2366.	1.8	45
25	Tissue-Resident Macrophages in Fungal Infections. <i>Frontiers in Immunology</i> , 2017, 8, 1798.	2.2	42
26	Microglia Responses in Acute and Chronic Neurological Diseases: What Microglia-Specific Transcriptomic Studies Taught (and did Not Teach) Us. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 227.	1.7	70
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29	Reactive Astrocytes in Brain Metastasis. <i>Frontiers in Oncology</i> , 2017, 7, 298.	1.3	76
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33	Lysophosphatidic acid via LPA-receptor 5/protein kinase D-dependent pathways induces a motile and pro-inflammatory microglial phenotype. <i>Journal of Neuroinflammation</i> , 2017, 14, 253.	3.1	51
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35	Microglia-mediated recovery from ALS-relevant motor neuron degeneration in a mouse model of TDP-43 proteinopathy. <i>Nature Neuroscience</i> , 2018, 21, 329-340.	7.1	220
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43	NLRP3-dependent synaptic plasticity deficit in an Alzheimer's disease amyloidosis model in vivo. Neurobiology of Disease, 2018, 114, 24-30.	2.1	58
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56	High-Dimensional Single-Cell Mapping of Central Nervous System Immune Cells Reveals Distinct Myeloid Subsets in Health, Aging, and Disease. <i>Immunity</i> , 2018, 48, 380-395.e6.	6.6	638
57	Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia. <i>Cellular Immunology</i> , 2018, 330, 60-67.	1.4	12
58	Myeloid cell heterogeneity in cancer: not a single cell alike. <i>Cellular Immunology</i> , 2018, 330, 188-201.	1.4	127
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75	Microglia activation in Niemann-Pick disease, type C1 is amendable to therapeutic intervention. <i>Human Molecular Genetics</i> , 2018, 27, 2076-2089.	1.4	54
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137	Fibrin-targeting immunotherapy protects against neuroinflammation and neurodegeneration. <i>Nature Immunology</i> , 2018, 19, 1212-1223.	7.0	149
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153	The Trem2 R47H Alzheimer's disease risk variant impairs splicing and reduces Trem2 mRNA and protein in mice but not in humans. <i>Molecular Neurodegeneration</i> , 2018, 13, 49.	4.4	91
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160	Macrophages in inflammation, repair and regeneration. <i>International Immunology</i> , 2018, 30, 511-528.	1.8	402
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162	Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. <i>Cell</i> , 2018, 173, 1073-1081.	13.5	765

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1178	Integrating single-cell and spatial transcriptomics to elucidate intercellular tissue dynamics. <i>Nature Reviews Genetics</i> , 2021, 22, 627-644.	7.7	423

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1856	TREM2-independent oligodendrocyte, astrocyte, and T cell responses to tau and amyloid pathology in mouse models of Alzheimer disease. <i>Cell Reports</i> , 2021, 37, 110158.	2.9	33
1857	Microglia Heterogeneity in Alzheimer's Disease: Insights From Single-Cell Technologies. <i>Frontiers in Synaptic Neuroscience</i> , 2021, 13, 773590.	1.3	16
1858	Characterization of the Leucocyte Immunoglobulin-like Receptor B4 (Lilrb4) Expression in Microglia. <i>Biology</i> , 2021, 10, 1300.	1.3	3
1859	No evidence of aberrant amyloid β^2 and phosphorylated tau expression in herpes simplex virus-infected neurons of the trigeminal ganglia and brain. <i>Brain Pathology</i> , 2021, , e13044.	2.1	6
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1862	TREM2 interacts with TDP-43 and mediates microglial neuroprotection against TDP-43-related neurodegeneration. <i>Nature Neuroscience</i> , 2022, 25, 26-38.	7.1	52
1864	Microglia and astrocyte involvement in neurodegeneration and brain cancer. <i>Journal of Neuroinflammation</i> , 2021, 18, 298.	3.1	32
1866	The Implication of Glial Metabotropic Glutamate Receptors in Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2023, 21, 164-182.	1.4	3
1868	Alzheimer's disease modification mediated by bone marrow-derived macrophages via a TREM2-independent pathway in mouse model of amyloidosis. <i>Nature Aging</i> , 2022, 2, 60-73.	5.3	12
1869	Restoring Oat Nanoparticles Mediated Brain Memory Function of Mice Fed Alcohol by Sorting Inflammatory Dectin-1 Complex Into Microglial Exosomes. <i>Small</i> , 2022, 18, e2105385.	5.2	19
1870	Transcriptomic analysis of frontotemporal lobar degeneration with TDP-43 pathology reveals cellular alterations across multiple brain regions. <i>Acta Neuropathologica</i> , 2022, 143, 383-401.	3.9	20
1871	Perspectives on the Role of APOE4 as a Therapeutic Target for Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 899-910.	1.2	2
1872	White matter microglia heterogeneity in the CNS. <i>Acta Neuropathologica</i> , 2022, 143, 125-141.	3.9	48
1873	Microglial TREM2 in amyotrophic lateral sclerosis. <i>Developmental Neurobiology</i> , 2022, 82, 125-137.	1.5	16
1874	The origin and repopulation of microglia. <i>Developmental Neurobiology</i> , 2022, 82, 112-124.	1.5	16
1875	Microglia and monocytes in inflammatory CNS disease: integrating phenotype and function. <i>Acta Neuropathologica</i> , 2022, 143, 179-224.	3.9	82
1876	Recent advances in preventing neurodegenerative diseases. <i>Faculty Reviews</i> , 2021, 10, 81.	1.7	4
1877	The meninges "a cradle and school for nurturing and educating developing B cells. <i>Immunity</i> , 2021, 54, 2688-2690.	6.6	2

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1880	An efficient scRNA-seq dropout imputation method using graph attention network. <i>BMC Bioinformatics</i> , 2021, 22, 582.	1.2	5
1883	Systems Biology to Address Unmet Medical Needs in Neurological Disorders. <i>Methods in Molecular Biology</i> , 2022, 2486, 247-276.	0.4	4
1884	Aging, Senescence, and Dementia. <i>Journal of Prevention of Alzheimer's Disease</i> , The, 0, , 1.	1.5	6
1885	The Dual Nature of Microglia in Alzheimer's Disease: A Microglia-Neuron Crosstalk Perspective. <i>Neuroscientist</i> , 2023, 29, 616-638.	2.6	4
1886	The niacin receptor HCAR2 modulates microglial response and limits disease progression in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , 2022, 14, eabl7634.	5.8	35
1888	Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 858429.	1.7	9
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1891	The cytokines interleukin-6 and interferon- γ induce distinct microglia phenotypes. <i>Journal of Neuroinflammation</i> , 2022, 19, 96.	3.1	23
1892	Microglia Don't Treat All Neurons the Same: The Importance of Neuronal Subtype in Microglia-Neuron Interactions in the Developing Hypothalamus. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 867217.	1.8	4
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1896	Clausena Harmandiana root extract attenuated cognitive impairments via reducing amyloid accumulation and neuroinflammation in A β 1-42-induced rats. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 108.	1.2	1
1897	Treadmill exercise improve recognition memory by TREM2 pathway to inhibit hippocampal microglial activation and neuroinflammation in Alzheimer's disease model. <i>Physiology and Behavior</i> , 2022, 251, 113820.	1.0	7
1898	Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid β plaques. <i>Immunity</i> , 2022, 55, 879-894.e6.	6.6	64
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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. <i>GeroScience</i> , 2022, 44, 1407-1440.	2.1	16
2022	Humoral immune defense of the central nervous system. <i>Current Opinion in Immunology</i> , 2022, 76, 102179.	2.4	3
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2024	The roles of microglia in neural remodeling during retinal degeneration. <i>Histology and Histopathology</i> , 2021, , 18384.	0.5	2
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2027	Myeloid LXR (Liver X Receptor) Deficiency Induces Inflammatory Gene Expression in Foamy Macrophages and Accelerates Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 719-731.	1.1	31
2029	Neuroprotective Effect of Carnosine Is Mediated by Insulin-Degrading Enzyme. <i>ACS Chemical Neuroscience</i> , 2022, , .	1.7	13
2030	Single-cell and spatial RNA sequencing identify perturbators of microglial functions with aging. <i>Nature Aging</i> , 2022, 2, 508-525.	5.3	11
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2033	Loss of microglial EED impairs synapse density, learning, and memory. <i>Molecular Psychiatry</i> , 2022, 27, 2999-3009.	4.1	16
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2035	Neuronal apoptosis drives remodeling states of microglia and shifts in survival pathway dependence. <i>ELife</i> , 2022, 11, .	2.8	22
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2047	A multi-hit hypothesis for an APOE4-dependent pathophysiological state. <i>European Journal of Neuroscience</i> , 2022, 56, 5476-5515.	1.2	8
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2050	Defective fractalkine/CX3CR1 signaling aggravates neuroinflammation and affects recovery from cuprizone-induced demyelination. <i>Journal of Neurochemistry</i> , 2022, 162, 430-443.	2.1	6
2051	Targeting the Type 5 Metabotropic Glutamate Receptor: A Potential Therapeutic Strategy for Neurodegenerative Diseases?. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	9
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2053	Single-nucleus transcriptome analysis reveals disease- and regeneration-associated endothelial cells in white matter vascular dementia. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 3183-3195.	1.6	11
2054	Single-cell transcriptome analysis reveals the immune heterogeneity and the repopulation of microglia by Hif1 \pm in mice after spinal cord injury. <i>Cell Death and Disease</i> , 2022, 13, 432.	2.7	18
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2064	Humoral immunity at the brain borders in homeostasis. <i>Current Opinion in Immunology</i> , 2022, 76, 102188.	2.4	3
2065	Epigenetic regulation of innate immune memory in microglia. <i>Journal of Neuroinflammation</i> , 2022, 19, 111.	3.1	30
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2076	Mouse models of Alzheimer's disease for preclinical research. <i>Neurochemistry International</i> , 2022, 158, 105361.	1.9	9
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2078	Astrocyte polarization in glaucoma: a new opportunity. <i>Neural Regeneration Research</i> , 2022, 17, 2582.	1.6	11

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2081	Neuroinflammation: A Possible Link Between Chronic Vascular Disorders and Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	21
2082	Inflammatory Animal Models of Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, S165-S182.	1.5	9
2084	Functional and Phenotypic Diversity of Microglia: Implication for Microglia-Based Therapies for Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	15
2085	Targeting Necroptosis as a Promising Therapy for Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1697-1713.	1.7	13
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2087	Deconstructing the functional neuroanatomy of the choroid plexus: an ontogenetic perspective for studying neurodevelopmental and neuropsychiatric disorders. <i>Molecular Psychiatry</i> , 2022, 27, 3573-3582.	4.1	16
2089	Sustained Trem2 stabilization accelerates microglia heterogeneity and A β pathology in a mouse model of Alzheimer's disease. <i>Cell Reports</i> , 2022, 39, 110883.	2.9	20
2091	TREM2 in the pathogenesis of AD: a lipid metabolism regulator and potential metabolic therapeutic target. <i>Molecular Neurodegeneration</i> , 2022, 17, .	4.4	36
2092	Microglia in Alzheimer's Disease: A Favorable Cellular Target to Ameliorate Alzheimer's Pathogenesis. <i>Mediators of Inflammation</i> , 2022, 2022, 1-17.	1.4	3
2093	Reversal of synapse loss in Alzheimer mouse models by targeting mGluR5 to prevent synaptic tagging by C1Q. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	38
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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. <i>Journal of Leukocyte Biology</i> , 2022, 112, 969-981.	1.5	7
2098	Microglial mTOR Activation Upregulates Trem2 and Enhances β -Amyloid Plaque Clearance in the 5XFAD Alzheimer's Disease Model. <i>Journal of Neuroscience</i> , 2022, 42, 5294-5313.	1.7	34
2099	Neuroimmune contributions to Alzheimer's disease: a focus on human data. <i>Molecular Psychiatry</i> , 2022, 27, 3164-3181.	4.1	20
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2103	A New Understanding of TMEM119 as a Marker of Microglia. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	24
2104	Laser tweezers Raman spectroscopy combined with machine learning for diagnosis of Alzheimerâ€™s disease. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121542.	2.0	6
2105	Microglial amyloid beta clearance is driven by PIEZO1 channels. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	45
2106	Microglial Inflammatory-Metabolic Pathways and Their Potential Therapeutic Implication in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 0, 13, .	1.3	27
2107	Region-Specific Characteristics of Astrocytes and Microglia: A Possible Involvement in Aging and Diseases. <i>Cells</i> , 2022, 11, 1902.	1.8	10
2108	Absence of microglia promotes diverse pathologies and early lethality in Alzheimerâ€™s disease mice. <i>Cell Reports</i> , 2022, 39, 110961.	2.9	48
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2110	Microglia in depression: an overview of microglia in the pathogenesis and treatment of depression. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	119
2111	Advancements in Genomic and Behavioral Neuroscience Analysis for the Study of Normal and Pathological Brain Function. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	0
2112	Microglia in Parkinsonâ€™s Disease. <i>Journal of Parkinson's Disease</i> , 2022, 12, S105-S112.	1.5	18
2113	Brain Cell Type-Specific Nuclear Proteomics Is Imperative to Resolve Neurodegenerative Disease Mechanisms. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	4
2114	The influence of phytochemicals on cell heterogeneity in chronic inflammation-associated diseases: the prospects of single cell sequencing. <i>Journal of Nutritional Biochemistry</i> , 2022, 108, 109091.	1.9	3
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2116	The role of triggering receptor expressed on myeloid cells 2 in Parkinsonâ€™s disease and other neurodegenerative disorders. <i>Behavioural Brain Research</i> , 2022, 433, 113977.	1.2	4
2118	Single-Cell RNA-Sequencing: Astrocyte and Microglial Heterogeneity in Health and Disease. <i>Cells</i> , 2022, 11, 2021.	1.8	19
2119	Host immune responses in the central nervous system during fungal infections. <i>Immunological Reviews</i> , 2022, 311, 50-74.	2.8	3
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2122	Exploring the Impact of TREM2 in Tumor-Associated Macrophages. <i>Vaccines</i> , 2022, 10, 943.	2.1	16
2123	BACE-1 inhibition facilitates the transition from homeostatic microglia to DAM-1. <i>Science Advances</i> , 2022, 8, .	4.7	27
2124	Trehalose Treatment in Zebrafish Model of Lafora Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6874.	1.8	9
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2127	The dense-core plaques of Alzheimer's disease are granulomas. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	15
2128	Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation. <i>Cell</i> , 2022, 185, 2452-2468.e16.	13.5	237
2129	Lipoxygenase Metabolism: Critical Pathways in Microglia-mediated Neuroinflammation and Neurodevelopmental Disorders. <i>Neurochemical Research</i> , 2022, 47, 3213-3220.	1.6	4
2131	RIP kinases and necroptosis in aging and aging-related diseases. , 2022, 1, 2-20.		8
2132	Microglia: Friend and foe in tauopathy. <i>Progress in Neurobiology</i> , 2022, 216, 102306.	2.8	13
2133	Exploring the zinc-related transcriptional landscape in Alzheimer's disease. <i>IBRO Neuroscience Reports</i> , 2022, 13, 31-37.	0.7	3
2134	Microfluidics for Cancer Biomarker Discovery, Research, and Clinical Application. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 499-524.	0.8	5
2135	Acquired immunity and Alzheimer's disease. <i>Journal of Biomedical Research</i> , 2023, 37, 15.	0.7	0
2136	Brain Amyloid- β Accumulation in AD Mouse Models Modified by Their Altered Gene Expression in the Presence of Human apoE Isoforms Through Aging Process. <i>SSRN Electronic Journal</i> , 0, , .	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 pathologies. <i>Nature Neuroscience</i> , 2022, 25, 876-886.	7.1	84
2139	CX3CR1 deficiency aggravates amyloid driven neuronal pathology and cognitive decline in Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2022, 17, .	4.4	37
2140	Synapse pathology in Alzheimer's disease. <i>Seminars in Cell and Developmental Biology</i> , 2023, 139, 13-23.	2.3	30

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2142	Roles of Fatty Acids in Microglial Polarization: Evidence from In Vitro and In Vivo Studies on Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7300.	1.8	10
2143	Pleiotropic effects of clopidogrel. <i>Purinergic Signalling</i> , 2022, 18, 253-265.	1.1	4
2144	Innate Immune Tolerance in Microglia Does Not Impact on Central Nervous System Prion Disease. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	2
2145	A Dichotomous Role for FABP7 in Sleep and Alzheimer's Disease Pathogenesis: A Hypothesis. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	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. <i>British Journal of Anaesthesia</i> , 2023, 130, e370-e380.	1.5	15
2147	Microglia Phenotypes in Aging and Neurodegenerative Diseases. <i>Cells</i> , 2022, 11, 2091.	1.8	76
2148	The Shape of How Morphological Analyses Shape the Study of Microglia. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	3
2150	Editorial: Multifaceted Interactions Between Immunity and the Diseased Brain. <i>Frontiers in Cellular Neuroscience</i> , 0, 16, .	1.8	0
2151	Novel App knock-in mouse model shows key features of amyloid pathology and reveals profound metabolic dysregulation of microglia. <i>Molecular Neurodegeneration</i> , 2022, 17, .	4.4	26
2154	Modulation of C5a-C5aR1 signaling alters the dynamics of AD progression. <i>Journal of Neuroinflammation</i> , 2022, 19, .	3.1	15
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