

# Microglia emerge as central players in brain disease

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Advancement in regional immunity and its clinical implication. <i>Science China Life Sciences</i> , 2017, 60, 1178-1190.	2.3	5
2	Macrophages dispose of catecholamines in adipose tissue. <i>Nature Medicine</i> , 2017, 23, 1255-1257.	15.2	13
3	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
4	<sc>NGF</sc> steers microglia toward a neuroprotective phenotype. <i>Glia</i> , 2018, 66, 1395-1416.	2.5	72
5	Neuronal SphK1 acetylates COX2 and contributes to pathogenesis in a model of Alzheimer's Disease. <i>Nature Communications</i> , 2018, 9, 1479.	5.8	68
6	PET/MRI in Infection and Inflammation. <i>Seminars in Nuclear Medicine</i> , 2018, 48, 225-241.	2.5	38
7	The Role of Microglia and Peripheral Monocytes in Retinal Damage after Corneal Chemical Injury. <i>American Journal of Pathology</i> , 2018, 188, 1580-1596.	1.9	54
8	Glial alterations in human prion diseases. <i>Medicine (United States)</i> , 2018, 97, e0320.	0.4	23
9	Cannabinoids in health and disease: pharmacological potential in metabolic syndrome and neuroinflammation. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2018, 36, .	0.3	40
10	Triptolide up-regulates metabotropic glutamate receptor 5 to inhibit microglia activation in the lipopolysaccharide-induced model of Parkinson's disease. <i>Brain, Behavior, and Immunity</i> , 2018, 71, 93-107.	2.0	35
11	Agathisflavone, a flavonoid derived from <i>Poincianella pyramidalis</i> (Tul.), enhances neuronal population and protects against glutamate excitotoxicity. <i>NeuroToxicology</i> , 2018, 65, 85-97.	1.4	44
12	Neuronal loss and gliosis in the rat striatum subjected to 15 and 30 minutes of middle cerebral artery occlusion. <i>Metabolic Brain Disease</i> , 2018, 33, 775-784.	1.4	18
13	Hepatic Immune System: Adaptations to Alcohol. <i>Handbook of Experimental Pharmacology</i> , 2018, 248, 347-367.	0.9	9
14	Shared molecular neuropathology across major psychiatric disorders parallels polygenic overlap. <i>Science</i> , 2018, 359, 693-697.	6.0	851
15	In Vivo Imaging of Single Mammalian Cells in Development and Disease. <i>Trends in Molecular Medicine</i> , 2018, 24, 278-293.	3.5	10
16	The antipsychotic landscape: dopamine and beyond. <i>Therapeutic Advances in Psychopharmacology</i> , 2018, 8, 127-135.	1.2	16
17	Early long-term administration of the CSF1R inhibitor PLX3397 ablates microglia and reduces accumulation of intraneuronal amyloid, neuritic plaque deposition and pre-fibrillar oligomers in 5XFAD mouse model of Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2018, 13, 11.	4.4	260
18	D409H GBA1 mutation accelerates the progression of pathology in A53T $\alpha$ -synuclein transgenic mouse model. <i>Acta Neuropathologica Communications</i> , 2018, 6, 32.	2.4	26

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19	DREADDed microglia in pain: Implications for spinal inflammatory signaling in male rats. <i>Experimental Neurology</i> , 2018, 304, 125-131.	2.0	79
20	A Developmental Switch in Microglial HDAC Function. <i>Immunity</i> , 2018, 48, 476-478.	6.6	6
21	Innate Immune Signaling and Alcohol Use Disorders. <i>Handbook of Experimental Pharmacology</i> , 2018, 248, 369-396.	0.9	63
22	The function of contactinâ€²/TAGâ€² in oligodendrocytes in health and demyelinating pathology. <i>Glia</i> , 2018, 66, 576-591.	2.5	30
23	Alpha7 nicotinic acetylcholine receptor-specific agonist DMXBA (GTS-21) attenuates AÎ² accumulation through suppression of neuronal Î³-secretase activity and promotion of microglial amyloid-Î² phagocytosis and ameliorates cognitive impairment in a mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 62, 197-209.	1.5	44
24	Aluminium in brain tissue in autism. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 46, 76-82.	1.5	112
25	Maternal immune activation in neurodevelopmental disorders. <i>Developmental Dynamics</i> , 2018, 247, 588-619.	0.8	107
26	Magnesium Lithospermate B Suppresses Lipopolysaccharide-Induced Neuroinflammation in BV2 Microglial Cells and Attenuates Neurodegeneration in Lipopolysaccharide-Injected Mice. <i>Journal of Molecular Neuroscience</i> , 2018, 64, 80-92.	1.1	20
27	Genomics of autism spectrum disorder: approach to therapy. <i>F1000Research</i> , 2018, 7, 627.	0.8	6
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29	Developmental roles of microglia: A window into mechanisms of disease. <i>Developmental Dynamics</i> , 2019, 248, 98-117.	0.8	28
30	Microglia: Immune Regulators of Neurodevelopment. <i>Frontiers in Immunology</i> , 2018, 9, 2576.	2.2	118
31	Genome-wide RNAseq study of the molecular mechanisms underlying microglia activation in response to pathological tau perturbation in the rTg4510 tau transgenic animal model. <i>Molecular Neurodegeneration</i> , 2018, 13, 65.	4.4	62
32	Microglia Increase Inflammatory Responses in iPSC-Derived Human BrainSpheres. <i>Frontiers in Microbiology</i> , 2018, 9, 2766.	1.5	88
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34	Medicinal Leech CNS as a Model for Exosome Studies in the Crosstalk between Microglia and Neurons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4124.	1.8	25
35	Neuroglia in the autistic brain: evidence from a preclinical model. <i>Molecular Autism</i> , 2018, 9, 66.	2.6	63
36	TREM2 in Alzheimerâ€™s Disease: Microglial Survival and Energy Metabolism. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 395.	1.7	64

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37	Innate Immunity Cells and the Neurovascular Unit. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3856.	1.8	38
38	The role of convergent ion channel pathways in microglial phenotypes: a systematic review of the implications for neurological and psychiatric disorders. <i>Translational Psychiatry</i> , 2018, 8, 259.	2.4	9
39	Synaptic Functions of Hemichannels and Pannexons: A Double-Edged Sword. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 435.	1.4	42
40	PDGFR $\beta$ Cells Rapidly Relay Inflammatory Signal from the Circulatory System to Neurons via Chemokine CCL2. <i>Neuron</i> , 2018, 100, 183-200.e8.	3.8	134
41	Imaging the evolution and pathophysiology of Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2018, 19, 687-700.	4.9	372
42	Distinct patterns of glia repair and remyelination in antibody-mediated demyelination models of multiple sclerosis and neuromyelitis optica. <i>Glia</i> , 2018, 66, 2575-2588.	2.5	23
43	Alzheimer's Disease: Beyond the Neuron. , 0, , .		1
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49	CD47 Protects Synapses from Excess Microglia-Mediated Pruning during Development. <i>Neuron</i> , 2018, 100, 120-134.e6.	3.8	304
50	Autism is an Acquired Cellular Detoxification Deficiency Syndrome with Heterogeneous Genetic Predisposition. <i>Autism-open Access</i> , 2018, 08, .	0.2	1
51	Glia as architects of central nervous system formation and function. <i>Science</i> , 2018, 362, 181-185.	6.0	520
52	Microglia and early brain development: An intimate journey. <i>Science</i> , 2018, 362, 185-189.	6.0	269
53	Stem cell factor induces polarization of microglia to the neuroprotective phenotype in vitro. <i>Heliyon</i> , 2018, 4, e00837.	1.4	23
54	Peripherally derived macrophages modulate microglial function to reduce inflammation after CNS injury. <i>PLoS Biology</i> , 2018, 16, e2005264.	2.6	159

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56	Changes in the Synaptic Proteome in Tauopathy and Rescue of Tau-Induced Synapse Loss by C1q Antibodies. <i>Neuron</i> , 2018, 100, 1322-1336.e7.	3.8	330
57	Lupus antibodies induce behavioral changes mediated by microglia and blocked by ACE inhibitors. <i>Journal of Experimental Medicine</i> , 2018, 215, 2554-2566.	4.2	117
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65	Microglia Under the Spotlight: Activity and Complement-Dependent Engulfment of Synapses. <i>Trends in Neurosciences</i> , 2018, 41, 332-334.	4.2	18
66	O-GlcNAc cycling in the developing, adult and geriatric brain. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 241-261.	1.0	26
67	A Combination of Ontogeny and CNS Environment Establishes Microglial Identity. <i>Neuron</i> , 2018, 98, 1170-1183.e8.	3.8	371
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77	Tumor necrosis factor (TNF) modulates synaptic plasticity in a concentration-dependent manner through intracellular calcium stores. <i>Journal of Molecular Medicine</i> , 2018, 96, 1039-1047.	1.7	49
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87	Anti-Inflammatory Effects of Resveratrol: Mechanistic Insights. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1812.	1.8	173
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89	Modeling psychiatric disorders using patient stem cell-derived neurons: a way forward. <i>Genome Medicine</i> , 2018, 10, 1.	3.6	107
90	Alzheimer's™ disease hypothesis and related therapies. <i>Translational Neurodegeneration</i> , 2018, 7, 2.	3.6	385
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92	Physiological and Pathophysiological Roles of Transient Receptor Potential Channels in Microglia-Related CNS Inflammatory Diseases. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1152-1157.	0.6	6
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97	Importance of GPCR-Mediated Microglial Activation in Alzheimer's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 258.	1.8	31
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100	The technical reliability and biotemporal stability of cerebrospinal fluid biomarkers for profiling multiple pathophysiologicals in Alzheimer's disease. <i>PLoS ONE</i> , 2018, 13, e0193707.	1.1	30
101	Principles of inflammasome priming and inhibition: Implications for psychiatric disorders. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 66-84.	2.0	88
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103	IFN $\gamma$ : signalling, epigenetics and roles in immunity, metabolism, disease and cancer immunotherapy. <i>Nature Reviews Immunology</i> , 2018, 18, 545-558.	10.6	753
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106	Telmisartan Protects a Microglia Cell Line from LPS Injury Beyond AT1 Receptor Blockade or PPAR $\gamma$ Activation. <i>Molecular Neurobiology</i> , 2019, 56, 3193-3210.	1.9	22
107	Microglia: An Intrinsic Component of the Proliferative Zones in the Fetal Rhesus Monkey (Macaca Tj ETQq1 1 0.784314 rgBT/Overlook	1.6	29
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110	High mobility group box-1 mediates hippocampal inflammation and contributes to cognitive deficits in high-fat high-fructose diet-induced obese rats. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 167-177.	2.0	31
111	Segmented Iba1-Positive Processes of Microglia in Autism Model Marmosets. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 344.	1.8	17
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120	Development of a Chimeric Model to Study and Manipulate Human Microglia In Vivo. <i>Neuron</i> , 2019, 103, 1016-1033.e10.	3.8	218
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126	Single-cell analysis reveals T cell infiltration in old neurogenic niches. <i>Nature</i> , 2019, 571, 205-210.	13.7	351
127	CD200 dysfunction in neuron contributes to synaptic deficits and cognitive impairment. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 1053-1059.	1.0	21



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129	Optic nerve regeneration: A long view. <i>Restorative Neurology and Neuroscience</i> , 2019, 37, 525-544.	0.4	15
130	Microglia morphology and proinflammatory signaling in the nucleus accumbens during nicotine withdrawal. <i>Science Advances</i> , 2019, 5, eaax7031.	4.7	61
131	Microglial P2Y12 receptor regulates ventral hippocampal CA1 neuronal excitability and innate fear in mice. <i>Molecular Brain</i> , 2019, 12, 71.	1.3	88
132	Phosphodiesterase Type 4 Inhibition in CNS Diseases. <i>Trends in Pharmacological Sciences</i> , 2019, 40, 971-985.	4.0	41
133	Microglial Cells: The Main HIV-1 Reservoir in the Brain. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 362.	1.8	237
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135	Glial Phagocytic Receptors Promote Neuronal Loss in Adult Drosophila Brain. <i>Cell Reports</i> , 2019, 29, 1438-1448.e3.	2.9	32
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138	The formative role of microglia in stress-induced synaptic deficits and associated behavioral consequences. <i>Neuroscience Letters</i> , 2019, 711, 134369.	1.0	31
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143	The Endocannabinoid System as a Window Into Microglial Biology and Its Relationship to Autism. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 424.	1.8	25
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146	Deciphering Brain Complexity Using Single-cell Sequencing. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 344-366.	3.0	52
148	Role of Microglia in Ataxias. <i>Journal of Molecular Biology</i> , 2019, 431, 1792-1804.	2.0	32
149	Ion Channels and Receptors as Determinants of Microglial Function. <i>Trends in Neurosciences</i> , 2019, 42, 278-292.	4.2	69
150	CD73-derived adenosine controls inflammation and neurodegeneration by modulating dopamine signalling. <i>Brain</i> , 2019, 142, 700-718.	3.7	70
151	Paricalcitol alleviates lipopolysaccharide-induced depressive-like behavior by suppressing hypothalamic microglia activation and neuroinflammation. <i>Biochemical Pharmacology</i> , 2019, 163, 1-8.	2.0	33
152	The P2X7 receptor: a new therapeutic target in Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 165-176.	1.5	37
153	Lipofuscin-dependent stimulation of microglial cells. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 931-952.	1.0	8
154	Physiological Interactions between Microglia and Neural Stem Cells in the Adult Subependymal Niche. <i>Neuroscience</i> , 2019, 405, 77-91.	1.1	16
155	Theaflavins Improve Memory Impairment and Depression-Like Behavior by Regulating Microglial Activation. <i>Molecules</i> , 2019, 24, 467.	1.7	38
156	Novel Immunotherapeutic Approaches to Target Alpha-Synuclein and Related Neuroinflammation in Parkinson's Disease. <i>Cells</i> , 2019, 8, 105.	1.8	30
157	Neuroinflammation, Microglia, and Cell-Association during Prion Disease. <i>Viruses</i> , 2019, 11, 65.	1.5	61
158	A short perspective on the long road to effective treatments for Alzheimer's disease. <i>British Journal of Pharmacology</i> , 2019, 176, 3636-3648.	2.7	17
159	Human Microglia Seize the Chance to be Different. <i>Epilepsy Currents</i> , 2019, 19, 190-192.	0.4	6
160	Understanding microglial involvement in stress-induced mood disturbance: a modulator of vulnerability?. <i>Current Opinion in Behavioral Sciences</i> , 2019, 28, 98-104.	2.0	1
161	Neuroimmune responses in the developing brain following traumatic brain injury. <i>Experimental Neurology</i> , 2019, 320, 112957.	2.0	44
162	Modeling Alzheimer's disease with human iPSC cells: advancements, lessons, and applications. <i>Neurobiology of Disease</i> , 2019, 130, 104503.	2.1	24
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