

Neurotoxic reactive astrocytes are induced by activated

Nature

541, 481-487

DOI: [10.1038/nature21029](https://doi.org/10.1038/nature21029)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Multicellular hypothesis for the pathogenesis of Alzheimer's disease. <i>FASEB Journal</i> , 2017, 31, 1792-1795.	0.5	19
2	A toxic reaction. <i>Nature Reviews Neuroscience</i> , 2017, 18, 130-130.	10.2	4
3	Microglia-induced reactive astrocytes are toxic players in neurological disease?. <i>Nature Reviews Neurology</i> , 2017, 13, 127-127.	10.1	5
4	Neuroimmune interactions: astrocytes. <i>Nature Immunology</i> , 2017, 18, 254-254.	14.5	3
5	The noble gas xenon provides protection and trophic stimulation to midbrain dopamine neurons. <i>Journal of Neurochemistry</i> , 2017, 142, 14-28.	3.9	33
6	Progranulin, lysosomal regulation and neurodegenerative disease. <i>Nature Reviews Neuroscience</i> , 2017, 18, 325-333.	10.2	201
7	Motor neuron vulnerability and resistance in amyotrophic lateral sclerosis. <i>Acta Neuropathologica</i> , 2017, 133, 863-885.	7.7	248
8	Transformation of Astrocytes to a Neuroprotective Phenotype by Microglia via P2Y1 Receptor Downregulation. <i>Cell Reports</i> , 2017, 19, 1151-1164.	6.4	264
9	Elevated cerebrospinal fluid tumour necrosis factor is associated with acute and long-term neurocognitive impairment in cerebral malaria. <i>Parasite Immunology</i> , 2017, 39, e12438.	1.5	32
10	Insights into the Dual Role of Inflammation after Spinal Cord Injury. <i>Journal of Neuroscience</i> , 2017, 37, 4658-4660.	3.6	69
11	Control of immune-mediated pathology via the aryl hydrocarbon receptor. <i>Journal of Biological Chemistry</i> , 2017, 292, 12383-12389.	3.4	76
12	Low intensity rTMS has sex-dependent effects on the local response of glia following a penetrating cortical stab injury. <i>Experimental Neurology</i> , 2017, 295, 233-242.	4.1	21
13	Reactive Astrocytes: Production, Function, and Therapeutic Potential. <i>Immunity</i> , 2017, 46, 957-967.	14.3	1,507
14	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. <i>Nature Communications</i> , 2017, 8, 28.	12.8	287
15	The use of mesenchymal stem cells (MSCs) for amyotrophic lateral sclerosis (ALS) therapy – a perspective on cell biological mechanisms. <i>Reviews in the Neurosciences</i> , 2017, 28, 725-738.	2.9	14
16	Mechanisms of axon regeneration: The significance of proteoglycans. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2435-2441.	2.4	13
17	Astrocyte-mediated synapse remodeling in the pathological brain. <i>Glia</i> , 2017, 65, 1719-1727.	4.9	70
18	Toll-Like Receptor 4 (TLR4) and Triggering Receptor Expressed on Myeloid Cells-2 (TREM-2) Activation Balance Astrocyte Polarization into a Proinflammatory Phenotype. <i>Molecular Neurobiology</i> , 2018, 55, 3875-3888.	4.0	67

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19	Molecular mechanisms of astrocyte-induced synaptogenesis. <i>Current Opinion in Neurobiology</i> , 2017, 45, 113-120.	4.2	143
20	Calcineurin/NFAT Signaling in Activated Astrocytes Drives Network Hyperexcitability in A β ² -Bearing Mice. <i>Journal of Neuroscience</i> , 2017, 37, 6132-6148.	3.6	73
21	Unravelling and Exploiting Astrocyte Dysfunction in Huntington's Disease. <i>Trends in Neurosciences</i> , 2017, 40, 422-437.	8.6	155
22	Astrocyte Transforming Growth Factor Beta 1 Protects Synapses against A β ² Oligomers in Alzheimer's Disease Model. <i>Journal of Neuroscience</i> , 2017, 37, 6797-6809.	3.6	127
23	Demyelination induced by oxidative stress is regulated by sphingosine 1-phosphate receptors. <i>Glia</i> , 2017, 65, 1119-1136.	4.9	31
24	Importance of major histocompatibility complex of class I (MHC-I) expression for astroglial reactivity and stability of neural circuits in vitro. <i>Neuroscience Letters</i> , 2017, 647, 97-103.	2.1	11
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26	Seducing astrocytes to the dark side. <i>Cell Research</i> , 2017, 27, 726-727.	12.0	24
27	Diversity of oligodendrocytes and their progenitors. <i>Current Opinion in Neurobiology</i> , 2017, 47, 73-79.	4.2	55
28	A neuroprotective astrocyte state is induced by neuronal signal EphB1 but fails in ALS models. <i>Nature Communications</i> , 2017, 8, 1164.	12.8	97
29	IKK β and mutant huntingtin interactions regulate the expression of IL-34: implications for microglial-mediated neurodegeneration in HD. <i>Human Molecular Genetics</i> , 2017, 26, 4267-4277.	2.9	21
30	Can injured adult CNS axons regenerate by recapitulating development?. <i>Development (Cambridge)</i> , 2017, 144, 3417-3429.	2.5	106
31	TREM2 deficiency attenuates neuroinflammation and protects against neurodegeneration in a mouse model of tauopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11524-11529.	7.1	328
32	Temporal Tracking of Microglia Activation in Neurodegeneration at Single-Cell Resolution. <i>Cell Reports</i> , 2017, 21, 366-380.	6.4	538
33	Expression and Differential Responsiveness of Central Nervous System Glial Cell Populations to the Acute Phase Protein Serum Amyloid A. <i>Scientific Reports</i> , 2017, 7, 12158.	3.3	27
34	Disease-associated protein seeding suggests a dissociation between misfolded protein accumulation and neurodegeneration in prion disease. <i>Prion</i> , 2017, 11, 381-387.	1.8	3
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37	Alternative microglial activation is associated with cessation of progressive dopamine neuron loss in mice systemically administered lipopolysaccharide. <i>Neurobiology of Disease</i> , 2017, 108, 115-127.	4.4	47
38	Systemic Neutrophil Depletion Modulates the Migration and Fate of Transplanted Human Neural Stem Cells to Rescue Functional Repair. <i>Journal of Neuroscience</i> , 2017, 37, 9269-9287.	3.6	32
39	Reactive astrocyte COX2&PGE2 production inhibits oligodendrocyte maturation in neonatal white matter injury. <i>Glia</i> , 2017, 65, 2024-2037.	4.9	81
40	A subpopulation of activated retinal macrophages selectively migrated to regions of cone photoreceptor stress, but had limited effect on cone death in a mouse model for type 2 Leber congenital amaurosis. <i>Molecular and Cellular Neurosciences</i> , 2017, 85, 70-81.	2.2	17
41	ApoE4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy. <i>Nature</i> , 2017, 549, 523-527.	27.8	852
42	Genetic dissection of oligodendroglial and neuronal<i>Plp1</i> function in a novel mouse model of spastic paraplegia type 2. <i>Glia</i> , 2017, 65, 1762-1776.	4.9	34
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44	Minocycline Has Anti-inflammatory Effects and Reduces Cytotoxicity in an <i>Ex Vivo</i> Spinal Cord Slice Culture Model of West Nile Virus Infection. <i>Journal of Virology</i> , 2017, 91, .	3.4	32
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46	Inflammatory cytokine-induced changes in neural network activity measured by waveform analysis of high-content calcium imaging in murine cortical neurons. <i>Scientific Reports</i> , 2017, 7, 9037.	3.3	33
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50	Neural Circuit-Specialized Astrocytes: Transcriptomic, Proteomic, Morphological, and Functional Evidence. <i>Neuron</i> , 2017, 95, 531-549.e9.	8.1	556
51	The Role of the Oligodendrocyte Lineage in Acute Brain Trauma. <i>Neurochemical Research</i> , 2017, 42, 2479-2489.	3.3	16
52	Maternal inflammation induces immune activation of fetal microglia and leads to disrupted microglia immune responses, behavior, and learning performance in adulthood. <i>Neurobiology of Disease</i> , 2017, 106, 291-300.	4.4	84
53	Brain monoamine oxidase B and A in human parkinsonian dopamine deficiency disorders. <i>Brain</i> , 2017, 140, 2460-2474.	7.6	149
54	Monocyte depletion early after stroke promotes neurogenesis from endogenous neural stem cells in adult brain. <i>Experimental Neurology</i> , 2017, 297, 129-137.	4.1	19

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56	Determination of Caspase-3 Activity and Its Inhibition Constant by Combination of Fluorescence Correlation Spectroscopy with a Microwell Chip. <i>Analytical Chemistry</i> , 2017, 89, 9788-9796.	6.5	14
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65	Novel mechanisms and functions of complement. <i>Nature Immunology</i> , 2017, 18, 1288-1298.	14.5	364
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75	Glial contributions to neurodegeneration in tauopathies. <i>Molecular Neurodegeneration</i> , 2017, 12, 50.	10.8	283
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77	Immunoproteasome deficiency alters microglial cytokine response and improves cognitive deficits in Alzheimer's disease-like APPPS1 mice. <i>Acta Neuropathologica Communications</i> , 2017, 5, 52.	5.2	48
78	Activation of the STING-Dependent Type I Interferon Response Reduces Microglial Reactivity and Neuroinflammation. <i>Neuron</i> , 2017, 96, 1290-1302.e6.	8.1	107
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87	Neural Stem Cell Plasticity: Advantages in Therapy for the Injured Central Nervous System. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 52.	3.7	43
88	The Importance of Non-neuronal Cell Types in hiPSC-Based Disease Modeling and Drug Screening. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 117.	3.7	27
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95	Effect of Neuroinflammation on Synaptic Organization and Function in the Developing Brain: Implications for Neurodevelopmental and Neurodegenerative Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 190.	3.7	80
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119	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.	14.8	220
120	Emerging targets for reprogramming the immune response to promote repair and recovery of function after spinal cord injury. <i>Current Opinion in Neurology</i> , 2018, 31, 334-344.	3.6	51
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129	The Evolving Landscape of Brain Metastasis. <i>Trends in Cancer</i> , 2018, 4, 176-196.	7.4	194
130	Neurodegenerative diseases have genetic hallmarks of autoinflammatory disease. <i>Human Molecular Genetics</i> , 2018, 27, R108-R118.	2.9	21
131	Intact interleukin-10 receptor signaling protects from hippocampal damage elicited by experimental neurotropic virus infection of SJL mice. <i>Scientific Reports</i> , 2018, 8, 6106.	3.3	13
132	Learning from Barres. <i>Glia</i> , 2018, 66, 1537-1541.	4.9	0
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137	Cell-autonomous astrocytopathy in Alzheimer's disease. <i>Acta Physiologica</i> , 2018, 223, e13070.	3.8	2
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143	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.	4.1	35
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146	Animal models of multiple sclerosis: Focus on experimental autoimmune encephalomyelitis. <i>Journal of Neuroscience Research</i> , 2018, 96, 1021-1042.	2.9	124

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149	Novel targets in Alzheimer's disease: A special focus on microglia. <i>Pharmacological Research</i> , 2018, 130, 402-413.	7.1	46
150	Grey matter OPCs are less mature and less sensitive to IFN β than white matter OPCs: consequences for remyelination. <i>Scientific Reports</i> , 2018, 8, 2113.	3.3	33
151	Microglial Phenotypes and Functions in Multiple Sclerosis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2018, 8, a028993.	6.2	73
152	High complement levels in astrocyte-derived exosomes of Alzheimer disease. <i>Annals of Neurology</i> , 2018, 83, 544-552.	5.3	248
153	Seizure progression and inflammatory mediators promote pericytosis and pericyte-microglia clustering at the cerebrovasculature. <i>Neurobiology of Disease</i> , 2018, 113, 70-81.	4.4	56
154	Cell adhesion and matricellular support by astrocytes of the tripartite synapse. <i>Progress in Neurobiology</i> , 2018, 165-167, 66-86.	5.7	79
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158	Astrocytes expressing ALS-linked mutant FUS induce motor neuron death through release of tumor necrosis factor- α . <i>Glia</i> , 2018, 66, 1016-1033.	4.9	80
159	Astroglial major histocompatibility complex class I following immune activation leads to behavioral and neuropathological changes. <i>Glia</i> , 2018, 66, 1034-1052.	4.9	39
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330	Traumatic brain injury-induced neuronal damage in the somatosensory cortex causes formation of rod-shaped microglia that promote astrogliosis and persistent neuroinflammation. <i>Glia</i> , 2018, 66, 2719-2736.	4.9	105
331	Insulin Resistance in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2018, 12, 830.	2.8	147
332	Web service makes big data available to neuroscientists. <i>Nature</i> , 2018, 563, 143-143.	27.8	3
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334	Inhibition of NF- κ B in astrocytes is sufficient to delay neurodegeneration induced by proteotoxicity in neurons. <i>Journal of Neuroinflammation</i> , 2018, 15, 261.	7.2	41
335	Microglia have a protective role in viral encephalitis-induced seizure development and hippocampal damage. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 186-204.	4.1	77
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346	Pivotal role of innate myeloid cells in cerebral post-ischemic sterile inflammation. <i>Seminars in Immunopathology</i> , 2018, 40, 523-538.	6.1	31

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348	Î±-Synuclein disrupts the anti-inflammatory role of Drd2 via interfering Î²-arrestin2-TAB1 interaction in astrocytes. <i>Journal of Neuroinflammation</i> , 2018, 15, 258.	7.2	41
349	Prokineticinâ€2 promotes chemotaxis and alternative A2 reactivity of astrocytes. <i>Glia</i> , 2018, 66, 2137-2157.	4.9	92
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408	The Role of Astrocytes in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2018, 9, 217.	4.8	242
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1272	Transcriptional heterogeneity between primary adult grey and white matter astrocytes underlie differences in modulation of in vitro myelination. <i>Journal of Neuroinflammation</i> , 2020, 17, 373.	7.2	11

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1274	Isolation of Human CD49f+ Astrocytes and In Vitro iPSC-Based Neurotoxicity Assays. <i>STAR Protocols</i> , 2020, 1, 100172.	1.2	12
1275	Glial activation precedes alpha-synuclein pathology in a mouse model of Parkinson's disease. <i>Neuroscience Research</i> , 2021, 170, 330-340.	1.9	23
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1277	An epoxide hydrolase inhibitor reduces neuroinflammation in a mouse model of Alzheimer's disease. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	77
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1281	An Overview of Astrocyte Responses in Genetically Induced Alzheimer's Disease Mouse Models. <i>Cells</i> , 2020, 9, 2415.	4.1	18
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1287	Functional consequences of a close encounter between microglia and brain-infiltrating monocytes during CNS pathology and repair. <i>Journal of Leukocyte Biology</i> , 2021, 110, 89-106.	3.3	6
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1289	Nanotherapeutic Modulation of Human Neural Cells and Glioblastoma in Organoids and Monocultures. <i>Cells</i> , 2020, 9, 2434.	4.1	10
1290	GLP-1 Receptor Agonist NLY01 Reduces Retinal Inflammation and Neuron Death Secondary to Ocular Hypertension. <i>Cell Reports</i> , 2020, 33, 108271.	6.4	67

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1292	Idebenone Has Distinct Effects on Mitochondrial Respiration in Cortical Astrocytes Compared to Cortical Neurons Due to Differential NQO1 Activity. <i>Journal of Neuroscience</i> , 2020, 40, 4609-4619.	3.6	30
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1300	High-frequency repetitive transcranial magnetic stimulation improves functional recovery by inhibiting neurotoxic polarization of astrocytes in ischemic rats. <i>Journal of Neuroinflammation</i> , 2020, 17, 150.	7.2	78
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1302	A Western diet impairs CNS energy homeostasis and recovery after spinal cord injury: Link to astrocyte metabolism. <i>Neurobiology of Disease</i> , 2020, 141, 104934.	4.4	15
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1304	RNA-seq and network analysis reveal unique glial gene expression signatures during prion infection. <i>Molecular Brain</i> , 2020, 13, 71.	2.6	36
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1307	CD49f Is a Novel Marker of Functional and Reactive Human iPSC-Derived Astrocytes. <i>Neuron</i> , 2020, 107, 436-453.e12.	8.1	115
1308	Glial cells as therapeutic targets for smoking cessation. <i>Neuropharmacology</i> , 2020, 175, 108157.	4.1	7

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1312	Molecular and cellular mechanisms underlying brain metastasis of breast cancer. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 711-720.	5.9	82
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1314	Dysregulated Brain Cholesterol Metabolism Is Linked to Neuroinflammation in Huntington's Disease. <i>Movement Disorders</i> , 2020, 35, 1113-1127.	3.9	27
1315	Microglial Density Alters Measures of Axonal Integrity and Structural Connectivity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 1061-1068.	1.5	8
1316	Activation and functional modulation of satellite glial cells by oxaliplatin lead to hyperexcitability of sensory neurons in vitro. <i>Molecular and Cellular Neurosciences</i> , 2020, 105, 103499.	2.2	21
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1318	Glucagon-like peptide-1 (GLP-1)-based receptor agonists as a treatment for Parkinson's disease. <i>Expert Opinion on Investigational Drugs</i> , 2020, 29, 595-602.	4.1	34
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1324	Emerging Drugs for the Treatment of Amyotrophic Lateral Sclerosis: A Focus on Recent Phase 2 Trials. <i>Expert Opinion on Emerging Drugs</i> , 2020, 25, 145-164.	2.4	10
1325	Increased expression of miR142 and miR155 in glial and immune cells after traumatic brain injury may contribute to neuroinflammation via astrocyte activation. <i>Brain Pathology</i> , 2020, 30, 897-912.	4.1	23
1326	Human adipose-derived mesenchymal stem cells for acute and sub-acute TBI. <i>PLoS ONE</i> , 2020, 15, e0233263.	2.5	15

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1328	Reactive Glia Inflammatory Signaling Pathways and Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4096.	4.1	90
1329	GABAergic dysfunction in excitatory and inhibitory (E/I) imbalance drives the pathogenesis of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, 1312-1329.	0.8	97
1330	Fasudil inhibits the activation of microglia and astrocytes of transgenic Alzheimer's disease mice via the downregulation of TLR4/Myd88/NF- κ B pathway. <i>Journal of Neuroimmunology</i> , 2020, 346, 577284.	2.3	35
1331	Roles of Prokineticin 2 in Subarachnoid Hemorrhage-Induced Early Brain Injury via Regulation of Phenotype Polarization in Astrocytes. <i>Molecular Neurobiology</i> , 2020, 57, 3744-3758.	4.0	27
1332	Metformin regulates astrocyte reactivity in Parkinson's disease and normal aging. <i>Neuropharmacology</i> , 2020, 175, 108173.	4.1	39
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1334	The Regulatory Role of Reticulons in Neurodegeneration: Insights Underpinning Therapeutic Potential for Neurodegenerative Diseases. <i>Cellular and Molecular Neurobiology</i> , 2021, 41, 1157-1174.	3.3	7
1335	Exciting Complexity: The Role of Motor Circuit Elements in ALS Pathophysiology. <i>Frontiers in Neuroscience</i> , 2020, 14, 573.	2.8	40
1336	Neuroinflammatory mechanisms of post-traumatic epilepsy. <i>Journal of Neuroinflammation</i> , 2020, 17, 193.	7.2	47
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1338	Inhibition of STAT3 phosphorylation attenuates impairments in learning and memory in 5XFAD mice, an animal model of Alzheimer's disease. <i>Journal of Pharmacological Sciences</i> , 2020, 143, 290-299.	2.5	37
1339	Glia in neurodegeneration: Drivers of disease or along for the ride?. <i>Neurobiology of Disease</i> , 2020, 142, 104957.	4.4	56
1340	Astrocyte Senescence and Alzheimer's Disease: A Review. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 148.	3.4	81
1341	Expedition into Taurine Biology: Structural Insights and Therapeutic Perspective of Taurine in Neurodegenerative Diseases. <i>Biomolecules</i> , 2020, 10, 863.	4.0	18
1342	Upregulation of Cathepsins in Olfactory Bulbs Is Associated with Transient Olfactory Dysfunction in Mice with Experimental Autoimmune Encephalomyelitis. <i>Molecular Neurobiology</i> , 2020, 57, 3412-3423.	4.0	5
1343	Simvastatin Prevents Long-Term Cognitive Deficits in Sepsis Survivor Rats by Reducing Neuroinflammation and Neurodegeneration. <i>Neurotoxicity Research</i> , 2020, 38, 871-886.	2.7	15
1344	Cathepsin regulation on microglial function. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140465.	2.3	33

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1346	Red-Light (670nm) Therapy Reduces Mechanical Sensitivity and Neuronal Cell Death, and Alters Glial Responses after Spinal Cord Injury in Rats. <i>Journal of Neurotrauma</i> , 2020, 37, 2244-2260.	3.4	5
1347	SP1-mediated upregulation of LINGO1 promotes degeneration of retinal ganglion cells in optic nerve injury. <i>CNS Neuroscience and Therapeutics</i> , 2020, 26, 1010-1020.	3.9	8
1348	Glial smog: Interplay between air pollution and astrocyte-microglia interactions. <i>Neurochemistry International</i> , 2020, 136, 104715.	3.8	24
1349	Extracellular vesicle therapy for retinal diseases. <i>Progress in Retinal and Eye Research</i> , 2020, 79, 100849.	15.5	70
1350	Nurr1 Cd11bcre conditional knockout mice display inflammatory injury to nigrostriatal dopaminergic neurons. <i>Glia</i> , 2020, 68, 2057-2069.	4.9	12
1351	Type 1 Interleukin-4 Signaling Obliterates Mouse Astroglia in vivo but Not in vitro. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 114.	3.7	16
1352	Myelin Plasticity and Repair: Neuro-Glial Choir Sets the Tuning. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 42.	3.7	23
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1354	Neuroinflammation and protein aggregation co-localize across the frontotemporal dementia spectrum. <i>Brain</i> , 2020, 143, 1010-1026.	7.6	68
1355	No Longer Underappreciated: The Emerging Concept of Astrocyte Heterogeneity in Neuroscience. <i>Brain Sciences</i> , 2020, 10, 168.	2.3	64
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1360	An Update of Palmitoylethanolamide and Luteolin Effects in Preclinical and Clinical Studies of Neuroinflammatory Events. <i>Antioxidants</i> , 2020, 9, 216.	5.1	51
1361	West Nile Virus-Induced Neurologic Sequelae – Relationship to Neurodegenerative Cascades and Dementias. <i>Current Tropical Medicine Reports</i> , 2020, 7, 25-36.	3.7	13
1362	Complement-dependent synapse loss and microgliosis in a mouse model of multiple sclerosis. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 739-750.	4.1	77

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1364	Potential treatment of Parkinson's disease with omega-3 polyunsaturated fatty acids. <i>Nutritional Neuroscience</i> , 2020, , 1-12.	3.1	21
1365	Neuroimmune Connections in Aging and Neurodegenerative Diseases. <i>Trends in Immunology</i> , 2020, 41, 300-312.	6.8	111
1366	Early intraneuronal amyloid triggers neuron-derived inflammatory signaling in APP transgenic rats and human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6844-6854.	7.1	62
1367	LMP2 Inhibitors as a Potential Treatment for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3763-3783.	6.4	19
1368	Astrocyte-derived exosomes enriched with miR-873a-5p inhibit neuroinflammation via microglia phenotype modulation after traumatic brain injury. <i>Journal of Neuroinflammation</i> , 2020, 17, 89.	7.2	159
1369	Characterization of astrocytes throughout life in wildtype and APP/PS1 mice after early-life stress exposure. <i>Journal of Neuroinflammation</i> , 2020, 17, 91.	7.2	23
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1371	Tumor Necrosis Factor (TNF) blocking agents are associated with lower risk for Alzheimer's disease in patients with rheumatoid arthritis and psoriasis. <i>PLoS ONE</i> , 2020, 15, e0229819.	2.5	92
1372	Environmental Signals on Microglial Function during Brain Development, Neuroplasticity, and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2111.	4.1	26
1373	TIMP-1: A key cytokine released from activated astrocytes protects neurons and ameliorates cognitive behaviours in a rodent model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2020, 87, 804-819.	4.1	31
1374	The Loss of TBK1 Kinase Activity in Motor Neurons or in All Cell Types Differentially Impacts ALS Disease Progression in SOD1 Mice. <i>Neuron</i> , 2020, 106, 789-805.e5.	8.1	69
1375	Isoflurane Regulates Proliferation, Apoptosis, and Inflammatory Response of Lipopolysaccharide-Induced Human Astrocyte through the miR-206/BDNF Axis. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-8.	2.7	0
1376	Role of Adenosine in Epilepsy and Seizures. <i>Journal of Caffeine and Adenosine Research</i> , 2020, 10, 45-60.	0.6	39
1377	Microglial Depletion with CSF1R Inhibitor During Chronic Phase of Experimental Traumatic Brain Injury Reduces Neurodegeneration and Neurological Deficits. <i>Journal of Neuroscience</i> , 2020, 40, 2960-2974.	3.6	193
1378	Sub-region-Specific Optic Nerve Head Glial Activation in Glaucoma. <i>Molecular Neurobiology</i> , 2020, 57, 2620-2638.	4.0	23
1379	The gut microbiome in Parkinson's disease: A culprit or a bystander?. <i>Progress in Brain Research</i> , 2020, 252, 357-450.	1.4	70
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1386	Neurotoxic Reactive Astrocytes Drive Neuronal Death after Retinal Injury. Cell Reports, 2020, 31, 107776.	6.4	140
1387	Inflammation: A Major Target for Compounds to Control Alzheimer's Disease. Journal of Alzheimer's Disease, 2020, 76, 1199-1213.	2.6	26
1388	Age-Dependent Heterogeneity of Murine Olfactory Bulb Astrocytes. Frontiers in Aging Neuroscience, 2020, 12, 172.	3.4	12
1389	Comprehensive Analysis of the Immune and Stromal Compartments of the CNS in EAE Mice Reveal Pathways by Which Chloroquine Suppresses Neuroinflammation. Brain Sciences, 2020, 10, 348.	2.3	1
1390	Neural induction of embryonic stem/induced pluripotent stem cells. , 2020, , 185-203.		2
1391	Neurogenesis in the damaged mammalian brain. , 2020, , 523-597.		1
1392	Mechanisms of astrocyte development. , 2020, , 807-827.		8
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1396	Cryopreserved astrocytes maintain biological properties: Support of neuronal survival and differentiation. Journal of Neuroscience Methods, 2020, 343, 108806.	2.5	0
1397	Targeting cellular senescence in cancer and aging: roles of p53 and its isoforms. Carcinogenesis, 2020, 41, 1017-1029.	2.8	43
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1402	The Diversity of Intermediate Filaments in Astrocytes. <i>Cells</i> , 2020, 9, 1604.	4.1	32
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1405	Identification of Conserved Proteomic Networks in Neurodegenerative Dementia. <i>Cell Reports</i> , 2020, 31, 107807.	6.4	49
1406	Cyclic GMP-AMP synthase promotes the inflammatory and autophagy responses in Huntington disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 15989-15999.	7.1	86
1407	Pulse Pressure: An Emerging Therapeutic Target for Dementia. <i>Frontiers in Neuroscience</i> , 2020, 14, 669.	2.8	32
1408	Mitochondrial Transfer as a Therapeutic Strategy Against Ischemic Stroke. <i>Translational Stroke Research</i> , 2020, 11, 1214-1228.	4.2	36
1409	The contribution of glial cells to Huntington's disease pathogenesis. <i>Neurobiology of Disease</i> , 2020, 143, 104963.	4.4	56
1410	Up-regulation of CHMP4B alleviates microglial necroptosis induced by traumatic brain injury. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8466-8479.	3.6	20
1411	The S1P-S1PR Axis in Neurological Disorders: Insights into Current and Future Therapeutic Perspectives. <i>Cells</i> , 2020, 9, 1515.	4.1	30
1412	The lncRNA H19 binding to let-7b promotes hippocampal glial cell activation and epileptic seizures by targeting Stat3 in a rat model of temporal lobe epilepsy. <i>Cell Proliferation</i> , 2020, 53, e12856.	5.3	33
1413	Glia: victims or villains of the aging brain?. <i>Neurobiology of Disease</i> , 2020, 143, 105008.	4.4	56
1414	Glial cells in Parkinson's disease: protective or deleterious?. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 5171-5188.	5.4	22
1415	The Role of Astrocytes in Remyelination. <i>Trends in Neurosciences</i> , 2020, 43, 596-607.	8.6	39
1416	Functional and transcriptional characterization of complex neuronal co-cultures. <i>Scientific Reports</i> , 2020, 10, 11007.	3.3	27

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1418	Lysosome and Inflammatory Defects in <i>GBA1</i> Mutant Astrocytes Are Normalized by LRRK2 Inhibition. <i>Movement Disorders</i> , 2020, 35, 760-773.	3.9	79
1419	Inhibitors of Myelination and Remyelination, Bone Morphogenetic Proteins, are Upregulated in Human Neurological Disease. <i>Neurochemical Research</i> , 2020, 45, 656-662.	3.3	9
1420	Systemic hypoxia led to little retinal neuronal loss and dramatic optic nerve glial response. <i>Experimental Eye Research</i> , 2020, 193, 107957.	2.6	17
1421	The Neuroprotective Role of Reactive Astrocytes after Central Nervous System Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 681-691.	3.4	27
1422	The role of astrocytes in oxidative stress of central nervous system: A mixed blessing. <i>Cell Proliferation</i> , 2020, 53, e12781.	5.3	150
1423	Influence of retinal NMDA receptor activity during autoimmune optic neuritis. <i>Journal of Neurochemistry</i> , 2020, 153, 693-709.	3.9	7
1424	Innate Immunity: A Common Denominator between Neurodegenerative and Neuropsychiatric Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1115.	4.1	70
1425	Improved tools to study astrocytes. <i>Nature Reviews Neuroscience</i> , 2020, 21, 121-138.	10.2	178
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1581	Effects of Cocaine on Human Glial-Derived Extracellular Vesicles. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 563441.	3.7	7
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1648	High spatial-resolution imaging of label-free <i>in vivo</i> protein aggregates by VISTA. <i>Analyst</i> , The, 2021, 146, 4135-4145.	3.5	11
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1653	Cellular Senescence in Brain Aging. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 646924.	3.4	129
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1658	Expression and secretion of apoE isoforms in astrocytes and microglia during inflammation. <i>Glia</i> , 2021, 69, 1478-1493.	4.9	64
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1691	Extracellular Vesicles: Novel Roles in Neurological Disorders. <i>Stem Cells International</i> , 2021, 2021, 1-16.	2.5	22
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1693	Astrocyte-immune cell interactions in physiology and pathology. <i>Immunity</i> , 2021, 54, 211-224.	14.3	105
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1715	Mesenchymal stem cell-derived exosomes: therapeutic opportunities and challenges for spinal cord injury. <i>Stem Cell Research and Therapy</i> , 2021, 12, 102.	5.5	95
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1729	Elamipretide (SS-31) Improves Functional Connectivity in Hippocampus and Other Related Regions Following Prolonged Neuroinflammation Induced by Lipopolysaccharide in Aged Rats. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 600484.	3.4	16
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1742	The Current Challenges for Drug Discovery in CNS Remyelination. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2891.	4.1	11
1743	Effect of low-intensity motor balance and coordination exercise on cognitive functions, hippocampal A β deposition, neuronal loss, neuroinflammation, and oxidative stress in a mouse model of Alzheimer's disease. <i>Experimental Neurology</i> , 2021, 337, 113590.	4.1	23
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1745	The roles of astrocytic phagocytosis in maintaining homeostasis of brains. <i>Journal of Pharmacological Sciences</i> , 2021, 145, 223-227.	2.5	29
1746	Linking atypical depression and insulin resistance-related disorders via low-grade chronic inflammation: Integrating the phenotypic, molecular and neuroanatomical dimensions. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 335-352.	4.1	24
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1748	Neuroprotective effect of ketamine against TNFâ€induced necroptosis in hippocampal neurons. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 3449-3459.	3.6	22
1749	Localized EMT reprograms glial progenitors to promote spinal cord repair. <i>Developmental Cell</i> , 2021, 56, 613-626.e7.	7.0	40
1751	Microglia: The Missing Link to Decipher and Therapeutically Control MS Progression?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3461.	4.1	25
1752	Staging of astrocytopathy and complement activation in neuromyelitis optica spectrum disorders. <i>Brain</i> , 2021, 144, 2401-2415.	7.6	39
1753	Macrophages and microglia: the cerberus of glioblastoma. <i>Acta Neuropathologica Communications</i> , 2021, 9, 54.	5.2	99
1754	Regulation of distinct caspase-8 functions in retinal ganglion cells and astroglia in experimental glaucoma. <i>Neurobiology of Disease</i> , 2021, 150, 105258.	4.4	11
1755	Extracellular Mitochondria Signals in CNS Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 642853.	3.7	16
1756	A RIPK1-regulated inflammatory microglial state in amyotrophic lateral sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	36
1757	SGK1 inhibition in glia ameliorates pathologies and symptoms in Parkinson disease animal models. <i>EMBO Molecular Medicine</i> , 2021, 13, e13076.	6.9	52
1760	Reactive astrocytes in ALS display diminished intron retention. <i>Nucleic Acids Research</i> , 2021, 49, 3168-3184.	14.5	15
1762	Common genes and pathways involved in the response to stressful stimuli by astrocytes: A meta-analysis of genome-wide expression studies. <i>Genomics</i> , 2021, 113, 669-680.	2.9	3

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1764	More attention on glial cells to have better recovery after spinal cord injury. <i>Biochemistry and Biophysics Reports</i> , 2021, 25, 100905.	1.3	17
1765	Cognitive impairment in myocardial infarction and heart failure. <i>Acta Physiologica</i> , 2021, 232, e13642.	3.8	27
1766	Microglial Pruning: Relevance for Synaptic Dysfunction in Multiple Sclerosis and Related Experimental Models. <i>Cells</i> , 2021, 10, 686.	4.1	28
1767	A specific RIP3 ⁺ subpopulation of microglia promotes retinopathy through a hypoxia-triggered necroptotic mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
1769	Fetal inflammation induces acute immune tolerance in the neonatal rat hippocampus. <i>Journal of Neuroinflammation</i> , 2021, 18, 69.	7.2	7
1770	Purines in Pain as a Gliopathy. <i>Frontiers in Pharmacology</i> , 2021, 12, 649807.	3.5	2
1771	TNF- α and β -synuclein fibrils differently regulate human astrocyte immune reactivity and impair mitochondrial respiration. <i>Cell Reports</i> , 2021, 34, 108895.	6.4	35
1773	Astrocytes in Alzheimer's Disease: Pathological Significance and Molecular Pathways. <i>Cells</i> , 2021, 10, 540.	4.1	62
1774	Neurodegenerative Disease and the NLRP3 Inflammasome. <i>Frontiers in Pharmacology</i> , 2021, 12, 643254.	3.5	107
1775	Oligodendrocyte Dysfunction in Amyotrophic Lateral Sclerosis: Mechanisms and Therapeutic Perspectives. <i>Cells</i> , 2021, 10, 565.	4.1	40
1776	Astrocytic atrophy as a pathological feature of Parkinson's disease with LRRK2 mutation. <i>Npj Parkinson's Disease</i> , 2021, 7, 31.	5.3	30
1777	Fluid proteomics of CSF and serum reveal important neuroinflammatory proteins in blood-brain barrier disruption and outcome prediction following severe traumatic brain injury: a prospective, observational study. <i>Critical Care</i> , 2021, 25, 103.	5.8	31
1778	Transient Astrocytic Gq Signaling Underlies Remote Memory Enhancement. <i>Frontiers in Neural Circuits</i> , 2021, 15, 658343.	2.8	32
1779	Research on developing drugs for Parkinson's disease. <i>Brain Research Bulletin</i> , 2021, 168, 100-109.	3.0	14
1780	Alpha-Synuclein Handling by Microglia: Activating, Combating, and Worsening. <i>Neuroscience Bulletin</i> , 2021, 37, 751-753.	2.9	9
1781	Impact of Intercultural Sensitivity and Intercultural Communication Apprehension on Ethnocentrism: A Select Study of HEI of India. <i>Journal of Contemporary Issues in Business and Government</i> , 2021, 27, .	0.1	0
1782	Thermosensitive quaternized chitosan hydrogel scaffolds promote neural differentiation in bone marrow mesenchymal stem cells and functional recovery in a rat spinal cord injury model. <i>Cell and Tissue Research</i> , 2021, 385, 65-85.	2.9	10

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1784	Potential Role of CHI3L1+ Astrocytes in Progression in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	6.0	20
1785	Late Passage Cultivation Induces Aged Astrocyte Phenotypes in Rat Primary Cultured Cells. <i>Biomolecules and Therapeutics</i> , 2021, 29, 144-153.	2.4	12
1786	The Cellular Senescence Stress Response in Post-Mitotic Brain Cells: Cell Survival at the Expense of Tissue Degeneration. <i>Life</i> , 2021, 11, 229.	2.4	29
1787	Extracellular signalâ€regulated kinase regulates microglial immune responses in Alzheimerâ€™s disease. <i>Journal of Neuroscience Research</i> , 2021, 99, 1704-1721.	2.9	43
1788	Persistent repression of tau in the brain using engineered zinc finger protein transcription factors. <i>Science Advances</i> , 2021, 7, .	10.3	31
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1790	The cell biology of Parkinsonâ€™s disease. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	77
1791	Complement cascade functions during brain development and neurodegeneration. <i>FEBS Journal</i> , 2022, 289, 2085-2109.	4.7	19
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1794	Expanding cell-to-cell interactions. <i>Science</i> , 2021, 372, 342-343.	12.6	0
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1796	Spatiotemporal patterns of gene expression around implanted silicon electrode arrays. <i>Journal of Neural Engineering</i> , 2021, 18, 045005.	3.5	33
1797	The Potential Role of Herpes Simplex Virus Type 1 and Neuroinflammation in the Pathogenesis of Alzheimer's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 658695.	2.4	22
1798	The second phase of brain trauma can be controlled by nutraceuticals that suppress DAMP-mediated microglial activation. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 559-570.	2.8	11
1799	Astroglial Connexins in Neurological and Neuropsychological Disorders and Radiation Exposure. <i>Current Medicinal Chemistry</i> , 2021, 28, 1970-1986.	2.4	3
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1802	Non-neuronal cells in amyotrophic lateral sclerosis “ from pathogenesis to biomarkers. <i>Nature Reviews Neurology</i> , 2021, 17, 333-348.	10.1	78
1803	OTULIN is a new target of EA treatment in the alleviation of brain injury and glial cell activation via suppression of the NF- κ B signalling pathway in acute ischaemic stroke rats. <i>Molecular Medicine</i> , 2021, 27, 37.	4.4	8
1804	Recent advances in pre-clinical diagnosis of Alzheimer’s disease. <i>Metabolic Brain Disease</i> , 2021, , 1.	2.9	3
1805	Utilising Induced Pluripotent Stem Cells in Neurodegenerative Disease Research: Focus on Glia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4334.	4.1	14
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1807	S100A4 in the Physiology and Pathology of the Central and Peripheral Nervous System. <i>Cells</i> , 2021, 10, 798.	4.1	17
1808	Type 1 interferon mediates chronic stress-induced neuroinflammation and behavioral deficits via complement component 3-dependent pathway. <i>Molecular Psychiatry</i> , 2021, 26, 3043-3059.	7.9	21
1809	Reactive astrocyte-driven epileptogenesis is induced by microglia initially activated following status epilepticus. <i>JCI Insight</i> , 2021, 6, .	5.0	47
1810	Elucidating the Neuropathologic Mechanisms of SARS-CoV-2 Infection. <i>Frontiers in Neurology</i> , 2021, 12, 660087.	2.4	46
1811	Regional-specific activation of phagocytosis in the rat brain in the conditions of sepsis-associated encephalopathy. <i>ZaporoÅ¼skij Medicinskij Å½urnal</i> , 2021, 23, 111-119.	0.2	1
1812	Preclinical Evaluation of TSPO and MAO-B PET Radiotracers in an LPS Model of Neuroinflammation. <i>PET Clinics</i> , 2021, 16, 233-247.	3.0	15
1813	Reactive astrocytes facilitate vascular repair and remodeling after stroke. <i>Cell Reports</i> , 2021, 35, 109048.	6.4	76
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1815	Microglia Specific Drug Targeting Using Natural Products for the Regulation of Redox Imbalance in Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2021, 12, 654489.	3.5	24
1816	Cytokine signaling convergence regulates the microglial state transition in Alzheimer’s disease. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4703-4712.	5.4	23
1817	miR-155 as an Important Regulator of Multiple Sclerosis Pathogenesis. A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4332.	4.1	33
1818	A Complementary Strategy to Mitigate Radiation-Induced Cognitive Decline. <i>Cancer Research</i> , 2021, 81, 1635-1636.	0.9	2

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1820	Recurrent non-severe hypoglycemia aggravates cognitive decline in diabetes and induces mitochondrial dysfunction in cultured astrocytes. <i>Molecular and Cellular Endocrinology</i> , 2021, 526, 111192.	3.2	14
1821	Downregulation of glial genes involved in synaptic function mitigates Huntington's disease pathogenesis. <i>ELife</i> , 2021, 10, .	6.0	20
1822	Cognitive complications of cancer and cancer-related treatments – Novel paradigms. <i>Neuroscience Letters</i> , 2021, 749, 135720.	2.1	8
1823	The thrombin receptor modulates astroglia–neuron trophic coupling and neural repair after spinal cord injury. <i>Glia</i> , 2021, 69, 2111-2132.	4.9	14
1824	A Novel Phagocytic Role of Astrocytes in Activity-dependent Elimination of Mature Excitatory Synapses. <i>Neuroscience Bulletin</i> , 2021, 37, 1256-1259.	2.9	3
1825	Astrocyte Activation in Neurovascular Damage and Repair Following Ischaemic Stroke. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4280.	4.1	79
1826	Reactive microglia enhance the transmission of exosomal β -synuclein via toll-like receptor 2. <i>Brain</i> , 2021, 144, 2024-2037.	7.6	57
1827	Alternative Targets to Fight Alzheimer's Disease: Focus on Astrocytes. <i>Biomolecules</i> , 2021, 11, 600.	4.0	16
1828	Astroglial tracer BU99008 detects multiple binding sites in Alzheimer's disease brain. <i>Molecular Psychiatry</i> , 2021, 26, 5833-5847.	7.9	39
1829	A Propagated Skeleton Approach to High Throughput Screening of Neurite Outgrowth for In Vitro Parkinson's Disease Modelling. <i>Cells</i> , 2021, 10, 931.	4.1	10
1830	LRP10 interacts with SORL1 in the intracellular vesicle trafficking pathway in non-neuronal brain cells and localises to Lewy bodies in Parkinson's disease and dementia with Lewy bodies. <i>Acta Neuropathologica</i> , 2021, 142, 117-137.	7.7	15
1831	Identification of highest neurotoxic amyloid- β plaque type showing reduced contact with astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2021, 549, 67-74.	2.1	4
1832	More Than Cell Markers: Understanding Heterogeneous Glial Responses to Implantable Neural Devices. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 658992.	3.7	1
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1834	Impact of Depletion of Microglia/Macrophages on Regeneration after Spinal Cord Injury. <i>Neuroscience</i> , 2021, 459, 129-141.	2.3	12
1835	Neuroinflammatory Response to TNF α and IL1 β Cytokines Is Accompanied by an Increase in Glycolysis in Human Astrocytes In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4065.	4.1	13
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1838	Dual Roles of Microglia in the Basal Ganglia in Parkinsonâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3907.	4.1	6
1839	Microglial Function and Regulation during Development, Homeostasis and Alzheimerâ€™s Disease. <i>Cells</i> , 2021, 10, 957.	4.1	24
1841	Microglia and Central Nervous Systemâ€™Associated Macrophagesâ€™From Origin to Disease Modulation. <i>Annual Review of Immunology</i> , 2021, 39, 251-277.	21.8	228
1844	Astrocytes have a license to kill inflammatory TÂcells. <i>Immunity</i> , 2021, 54, 614-616.	14.3	2
1846	Neuroinflammatory In Vitro Cell Culture Models and the Potential Applications for Neurological Disorders. <i>Frontiers in Pharmacology</i> , 2021, 12, 671734.	3.5	35
1848	Targeting neuroprotective functions of astrocytes in neuroimmune diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 237-241.	3.4	4
1849	Local and CNS-Wide Astrocyte Intracellular Calcium Signaling Attenuation<i>In Vivo</i>with CalEx^{flox}Mice. <i>Journal of Neuroscience</i> , 2021, 41, 4556-4574.	3.6	18
1850	Barcoded viral tracing of single-cell interactions in central nervous system inflammation. <i>Science</i> , 2021, 372, .	12.6	127
1851	Design and Evaluation of an In Vitro Mild Traumatic Brain Injury Modeling System Using 3D Printed Mini Impact Device on the 3D Cultured Human iPSC Derived Neural Progenitor Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100180.	7.6	13
1852	The Ins and Outs of Central Nervous System Inflammationâ€™Lessons Learned from Multiple Sclerosis. <i>Annual Review of Immunology</i> , 2021, 39, 199-226.	21.8	30
1853	Neuroinflammatory Mechanisms of Mitochondrial Dysfunction and Neurodegeneration in Glaucoma. <i>Journal of Ophthalmology</i> , 2021, 2021, 1-18.	1.3	31
1854	Myelin Repair: From Animal Models to Humans. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 604865.	3.7	21
1855	The Links between ALS and NF-ÎB. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3875.	4.1	28
1856	Temporal Contribution of Myeloid-Lineage TLR4 to the Transition to Chronic Pain: A Focus on Sex Differences. <i>Journal of Neuroscience</i> , 2021, 41, 4349-4365.	3.6	26
1857	The astrocyte LAMP lights a TÂcell TRAIL of death. <i>Neuron</i> , 2021, 109, 1423-1425.	8.1	2
1859	The pleiotropic of GLP-1/GLP-1R axis in central nervous system diseases. <i>International Journal of Neuroscience</i> , 2023, 133, 473-491.	1.6	12
1860	Astrocytes in Multiple Sclerosisâ€™Essential Constituents with Diverse Multifaceted Functions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5904.	4.1	24

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1863	Brain organoids: A promising model to assess oxidative stress-induced central nervous system damage. <i>Developmental Neurobiology</i> , 2021, 81, 653-670.	3.0	15
1864	Neuroimmune disruptions from naturally occurring levels of mycotoxins. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32156-32176.	5.3	17
1865	Neuroinflammation in Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 524.	3.2	120
1866	Glial Cells Promote Myelin Formation and Elimination. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 661486.	3.7	20
1867	GRK3 deficiency elicits brain immune activation and psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 6820-6832.	7.9	12
1868	Epigenetic Regulation of Neuroinflammation in Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4956.	4.1	40
1869	The Interaction Between Microglia and Macrogliia in Glaucoma. <i>Frontiers in Neuroscience</i> , 2021, 15, 610788.	2.8	30
1870	Low dose gamma irradiation pretreatment modulates the sensitivity of CNS to subsequent mixed gamma and neutron irradiation of the mouse head. <i>International Journal of Radiation Biology</i> , 2021, 97, 926-942.	1.8	3
1871	Altered oligodendroglia and astroglia in chronic traumatic encephalopathy. <i>Acta Neuropathologica</i> , 2021, 142, 295-321.	7.7	26
1872	High Glucose Shifts the Oxylipin Profiles in the Astrocytes towards Pro-Inflammatory States. <i>Metabolites</i> , 2021, 11, 311.	2.9	5
1873	Neurons and Glia Interplay in α -Synucleinopathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4994.	4.1	28
1874	Ferroptosis: A potential therapeutic target for neurodegenerative diseases. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22830.	3.0	38
1875	Diisopropylfluorophosphate-induced status epilepticus drives complex glial cell phenotypes in adult male mice. <i>Neurobiology of Disease</i> , 2021, 152, 105276.	4.4	11
1876	NFIB induces functional astrocytes from human pluripotent stem cell-derived neural precursor cells mimicking in vivo astroglialogenesis. <i>Journal of Cellular Physiology</i> , 2021, 236, 7625-7641.	4.1	7
1877	Astrocyte subtype-specific approach to Alzheimer's disease treatment. <i>Neurochemistry International</i> , 2021, 145, 104956.	3.8	10
1878	Bacterial sepsis increases hippocampal fibrillar amyloid plaque load and neuroinflammation in a mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2021, 152, 105292.	4.4	21
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1882	Microglial Lipid Biology in the Hypothalamic Regulation of Metabolic Homeostasis. <i>Frontiers in Endocrinology</i> , 2021, 12, 668396.	3.5	18
1883	Single-Nucleus RNA-Seq Reveals Dysregulation of Striatal Cell Identity Due to Huntington's Disease Mutations. <i>Journal of Neuroscience</i> , 2021, 41, 5534-5552.	3.6	30
1884	Oxygen-Generating Cyanobacteria Powered by Upconversion-Nanoparticles-Converted Near-Infrared Light for Ischemic Stroke Treatment. <i>Nano Letters</i> , 2021, 21, 4654-4665.	9.1	52
1885	Opening doors with ultrasound and microbubbles: Beating biological barriers to promote drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 172, 9-36.	13.7	106
1886	An emerging role for microglia in stress's effects on memory. <i>European Journal of Neuroscience</i> , 2022, 55, 2491-2518.	2.6	23
1887	The Role of Astrocytes in the Neurorepair Process. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 665795.	3.7	49
1888	Instructive roles of astrocytes in hippocampal synaptic plasticity: neuronal activity-dependent regulatory mechanisms. <i>FEBS Journal</i> , 2022, 289, 2202-2218.	4.7	30
1890	Phagocytic Glial Cells in Brain Homeostasis. <i>Cells</i> , 2021, 10, 1348.	4.1	13
1891	Personalizing the Care and Treatment of Alzheimer's Disease: An Overview. <i>Pharmacogenomics and Personalized Medicine</i> , 2021, Volume 14, 631-653.	0.7	3
1892	Leucine-rich repeat kinase 2-related functions in GLIA: an update of the last years. <i>Biochemical Society Transactions</i> , 2021, 49, 1375-1384.	3.4	6
1893	Methylprednisolone Induces Neuro-Protective Effects via the Inhibition of A1 Astrocyte Activation in Traumatic Spinal Cord Injury Mouse Models. <i>Frontiers in Neuroscience</i> , 2021, 15, 628917.	2.8	22
1894	Distinct Features of Brain-Resident Macrophages: Microglia and Non-Parenchymal Brain Macrophages. <i>Molecules and Cells</i> , 2021, 44, 281-291.	2.6	36
1895	The Pathogenesis of Parkinson's Disease: A Complex Interplay Between Astrocytes, Microglia, and T Lymphocytes?. <i>Frontiers in Neurology</i> , 2021, 12, 666737.	2.4	74
1896	Contribution of astrocytes to neuropathology of neurodegenerative diseases. <i>Brain Research</i> , 2021, 1758, 147291.	2.2	62
1897	Acute Viral Illnesses and Ischemic Stroke. <i>Stroke</i> , 2021, 52, 1885-1894.	2.0	29
1898	Neuroprotective and Immunomodulatory Action of the Endocannabinoid System under Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5431.	4.1	49

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1900	White matter abnormalities and iron deposition in prenatal mucopolidosis IV- fetal imaging and pathology. <i>Metabolic Brain Disease</i> , 2021, 36, 2155-2167.	2.9	6
1902	Complete spatial characterisation of N-glycosylation upon striatal neuroinflammation in the rodent brain. <i>Journal of Neuroinflammation</i> , 2021, 18, 116.	7.2	23
1903	Editorial: Neuronal Pathways Affecting Glial Function. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 686796.	3.7	0
1904	Harnessing Astrocytes and MÃ¼ller Glial Cells in the Retina for Survival and Regeneration of Retinal Ganglion Cells. <i>Cells</i> , 2021, 10, 1339.	4.1	11
1905	Non-Motor Symptoms of Parkinsonâ€™s Disease: The Neurobiology of Early Psychiatric and Cognitive Dysfunction. <i>Neuroscientist</i> , 2023, 29, 97-116.	3.5	23
1906	Rationally Designed, Self-Assembling, Multifunctional Hydrogel Depot Repairs Severe Spinal Cord Injury. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100242.	7.6	22
1907	Astrocyte-Neuron Metabolic Crosstalk in Neurodegeneration: A Mitochondrial Perspective. <i>Frontiers in Endocrinology</i> , 2021, 12, 668517.	3.5	39
1908	An overview of microglia ontogeny and maturation in the homeostatic and pathological brain. <i>European Journal of Neuroscience</i> , 2021, 53, 3525-3547.	2.6	16
1909	Neuroinflammation: Integrated Nervous Tissue Response through Intercellular Interactions at the â€œWhole Systemâ€-Scale. <i>Cells</i> , 2021, 10, 1195.	4.1	19
1910	Ion Channels and Electrophysiological Properties of Astrocytes: Implications for Emergent Stimulation Technologies. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 644126.	3.7	47
1911	Neuroinflammation as a Therapeutic Target for Mitigating the Long-Term Consequences of Acute Organophosphate Intoxication. <i>Frontiers in Pharmacology</i> , 2021, 12, 674325.	3.5	15
1912	Harnessing the immune system for the treatment of Parkinsonâ€™s disease. <i>Brain Research</i> , 2021, 1758, 147308.	2.2	10
1913	RIPK1 activation mediates neuroinflammation and disease progression in multiple sclerosis. <i>Cell Reports</i> , 2021, 35, 109112.	6.4	54
1914	Exploiting formyl peptide receptor 2 to promote microglial resolution: a new approach to Alzheimerâ€™s disease treatment. <i>FEBS Journal</i> , 2022, 289, 1801-1822.	4.7	6
1915	Running Promotes Transformation of Brain Astrocytes Into Neuroprotective Reactive Astrocytes and Synaptic Formation by Targeting Gpc6 Through the STAT3 Pathway. <i>Frontiers in Physiology</i> , 2021, 12, 633618.	2.8	3
1916	Reactive Astrocytes: Critical Players in the Development of Chronic Pain. <i>Frontiers in Psychiatry</i> , 2021, 12, 682056.	2.6	33
1917	Pannexin-1 Channels as Mediators of Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5189.	4.1	29

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1919	Regional Differences in Heat Shock Protein 25 Expression in Brain and Spinal Cord Astrocytes of Wild-Type and SOD1G93A Mice. <i>Cells</i> , 2021, 10, 1257.	4.1	3
1920	Microglia in Aging and Alzheimer's Disease: A Comparative Species Review. <i>Cells</i> , 2021, 10, 1138.	4.1	57
1921	Expression and Cell Type-specific Localization of Inflammasome Sensors in the Spinal Cord of SOD1(G93A) Mice and Sporadic Amyotrophic lateral sclerosis Patients. <i>Neuroscience</i> , 2021, 463, 288-302.	2.3	8
1922	Molecular Mechanisms Related to Oxidative Stress in Retinitis Pigmentosa. <i>Antioxidants</i> , 2021, 10, 848.	5.1	40
1923	Methylmercury induces neuronal cell death by inducing TNF- α expression through the ASK1/p38 signaling pathway in microglia. <i>Scientific Reports</i> , 2021, 11, 9832.	3.3	18
1924	Rg1 exerts protective effect in CPZ-induced demyelination mouse model via inhibiting CXCL10-mediated glial response. <i>Acta Pharmacologica Sinica</i> , 2022, 43, 563-576.	6.1	6
1925	Vitamin K2 Holds Promise for Alzheimer's Prevention and Treatment. <i>Nutrients</i> , 2021, 13, 2206.	4.1	21
1927	Retinal Ganglion Cell Transplantation: Approaches for Overcoming Challenges to Functional Integration. <i>Cells</i> , 2021, 10, 1426.	4.1	26
1928	Brain gray matter astroglia-specific connexin 43 ablation attenuates spinal cord inflammatory demyelination. <i>Journal of Neuroinflammation</i> , 2021, 18, 126.	7.2	8
1929	Microglia RAGE exacerbates the progression of neurodegeneration within the SOD1G93A murine model of amyotrophic lateral sclerosis in a sex-dependent manner. <i>Journal of Neuroinflammation</i> , 2021, 18, 139.	7.2	16
1931	Lipid droplets in the nervous system. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	82
1932	The Impact of Obesity on Microglial Function: Immune, Metabolic and Endocrine Perspectives. <i>Cells</i> , 2021, 10, 1584.	4.1	31
1933	Conservation and divergence of vulnerability and responses to stressors between human and mouse astrocytes. <i>Nature Communications</i> , 2021, 12, 3958.	12.8	94
1934	Astrocyte-selective <i>STAT3</i> knockdown rescues methamphetamine withdrawal-disrupted spatial memory in mice via restoring the astrocytic capacity of glutamate clearance in <i>dCA1</i> . <i>Glia</i> , 2021, 69, 2404-2418.	4.9	6
1935	Scorpion venom heat-resistant synthesized peptide ameliorates 6-OHDA-induced neurotoxicity and neuroinflammation: likely role of Na ^v 1.6 inhibition in microglia. <i>British Journal of Pharmacology</i> , 2021, 178, 3553-3569.	5.4	9
1936	GFAP as a biomarker in frontotemporal dementia and primary psychiatric disorders: diagnostic and prognostic performance. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1305-1312.	1.9	25
1938	Quantitative morphometric and cell-type-specific population analysis of microglia-enriched cultures subcloned to high purity from newborn rat brains. <i>IBRO Neuroscience Reports</i> , 2021, 10, 119-129.	1.6	3

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1940	Thymosin Î²4 reverses phenotypic polarization of glial cells and cognitive impairment via negative regulation of NF-ÎºB signaling axis in APP/PS1 mice. <i>Journal of Neuroinflammation</i> , 2021, 18, 146.	7.2	15
1941	Supplemental N-3 Polyunsaturated Fatty Acids Limit A1-Specific Astrocyte Polarization via Attenuating Mitochondrial Dysfunction in Ischemic Stroke in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	19
1942	Inflammation: A Mediator Between Hypertension and Neurodegenerative Diseases. <i>American Journal of Hypertension</i> , 2021, 34, 1014-1030.	2.0	13
1944	Traumatic Brain Injury and Risk of Neurodegenerative Disorder. <i>Biological Psychiatry</i> , 2022, 91, 498-507.	1.3	105
1945	Bone marrow mesenchymal stem cells and their derived exosomes resolve doxorubicin-induced chemobrain: critical role of their miRNA cargo. <i>Stem Cell Research and Therapy</i> , 2021, 12, 322.	5.5	18
1946	Microglia in Cancer Therapy-Related Cognitive Impairment. <i>Trends in Neurosciences</i> , 2021, 44, 441-451.	8.6	56
1947	Astrocyte-derived extracellular vesicles: A double-edged sword in central nervous system disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 125, 148-159.	6.1	45
1948	Dysfunction of the Glymphatic System as a Potential Mechanism of Perioperative Neurocognitive Disorders. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 659457.	3.4	13
1949	Aberrant NLRP3 Inflammasome Activation Ignites the Fire of Inflammation in Neuromuscular Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6068.	4.1	5
1951	miRNA Changes in Retinal Ganglion Cells after Optic Nerve Crush and Glaucomatous Damage. <i>Cells</i> , 2021, 10, 1564.	4.1	7
1952	Pathology of the neurovascular unit in leukodystrophies. <i>Acta Neuropathologica Communications</i> , 2021, 9, 103.	5.2	7
1953	Unilateral vagotomy alters astrocyte and microglial morphology in the nucleus tractus solitarii of the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R945-R959.	1.8	7
1954	Different Flavors of Astrocytes: Revising the Origins of Astrocyte Diversity and Epigenetic Signatures to Understand Heterogeneity after Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6867.	4.1	12
1955	A central role for anterior cingulate cortex in the control of pathological aggression. <i>Current Biology</i> , 2021, 31, 2321-2333.e5.	3.9	17
1956	TLR4 pathway impairs synaptic number and cerebrovascular functions through astrocyte activation following traumatic brain injury. <i>British Journal of Pharmacology</i> , 2021, 178, 3395-3413.	5.4	36
1957	Age-related changes in brain phospholipids and bioactive lipids in the APP knock-in mouse model of Alzheimerâ€™s disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 116.	5.2	28
1958	Role of Neuron and Glia in Alzheimerâ€™s Disease and Associated Vascular Dysfunction. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 653334.	3.4	28

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1960	Crosstalk between astrocytes and microglia results in increased degradation of α -synuclein and amyloid- β aggregates. <i>Journal of Neuroinflammation</i> , 2021, 18, 124.	7.2	81
1961	Electroacupuncture alleviates spatial memory deficits in METH withdrawal mice by enhancing astrocyte-mediated glutamate clearance in the dCA1. <i>Addiction Biology</i> , 2022, 27, e13068.	2.6	7
1962	Multifactorial Pathogenic Processes of Retinal Ganglion Cell Degeneration in Glaucoma towards Multi-Target Strategies for Broader Treatment Effects. <i>Cells</i> , 2021, 10, 1372.	4.1	23
1963	The Long Non-coding RNA NEAT1/miR-224-5p/IL-33 Axis Modulates Macrophage M2a Polarization and A1 Astrocyte Activation. <i>Molecular Neurobiology</i> , 2021, 58, 4506-4519.	4.0	14
1964	Complement-associated loss of CA2 inhibitory synapses in the demyelinated hippocampus impairs memory. <i>Acta Neuropathologica</i> , 2021, 142, 643-667.	7.7	30
1965	Glial Cell Line-Derived Neurotrophic Factor Family Ligands, Players at the Interface of Neuroinflammation and Neuroprotection: Focus Onto the Glia. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 679034.	3.7	12
1966	Pathological Neuroinflammatory Conversion of Reactive Astrocytes Is Induced by Microglia and Involves Chromatin Remodeling. <i>Frontiers in Pharmacology</i> , 2021, 12, 689346.	3.5	19
1968	Evidence for the Role of Mitochondrial DNA Release in the Inflammatory Response in Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7030.	4.1	38
1969	Structural Degradation in Midcingulate Cortex Is Associated with Pathological Aggression in Mice. <i>Brain Sciences</i> , 2021, 11, 868.	2.3	3
1970	Oral Pathogenic Bacteria-Inducing Neurodegenerative Microgliosis in Human Neural Cell Platform. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6925.	4.1	12
1971	Complement and Coagulation Cascades are Potentially Involved in Dopaminergic Neurodegeneration in α -Synuclein-Based Mouse Models of Parkinson's Disease. <i>Journal of Proteome Research</i> , 2021, 20, 3428-3443.	3.7	21
1972	Neuroprotective Function of High Glycolytic Activity in Astrocytes: Common Roles in Stroke and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6568.	4.1	39
1973	Microglial Implications in SARS-CoV-2 Infection and COVID-19: Lessons From Viral RNA Neurotropism and Possible Relevance to Parkinson's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 670298.	3.7	40
1974	Mechanisms of organophosphate neurotoxicity. <i>Current Opinion in Toxicology</i> , 2021, 26, 49-60.	5.0	40
1975	How COVID-19 Affects the Brain. <i>JAMA Psychiatry</i> , 2021, 78, 682.	11.0	286
1976	Extracellular Vesicles as an Emerging Frontier in Spinal Cord Injury Pathobiology and Therapy. <i>Trends in Neurosciences</i> , 2021, 44, 492-506.	8.6	53
1978	Connecting Neuroinflammation and Neurodegeneration in Multiple Sclerosis: Are Oligodendrocyte Precursor Cells a Nexus of Disease?. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 654284.	3.7	34

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1980	Equilibrative nucleoside transporter 1 inhibition rescues energy dysfunction and pathology in a model of tauopathy. <i>Acta Neuropathologica Communications</i> , 2021, 9, 112.	5.2	8
1981	Astrocyte Networks as Therapeutic Targets in Glaucomatous Neurodegeneration. <i>Cells</i> , 2021, 10, 1368.	4.1	17
1982	Dose-effect relationships for PBM in the treatment of Alzheimer's disease. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 353001.	2.8	8
1983	Heteromolecular Plasticity in Striatal Astrocytes. <i>Neuroscience Bulletin</i> , 2021, 37, 1264-1266.	2.9	0
1984	Role of extracellular vesicles in neurodegenerative diseases. <i>Progress in Neurobiology</i> , 2021, 201, 102022.	5.7	41
1985	The PINK1-Mediated Crosstalk between Neural Cells and the Underlying Link to Parkinson's Disease. <i>Cells</i> , 2021, 10, 1395.	4.1	6
1986	Recent Insights into the Interplay of Alpha-Synuclein and Sphingolipid Signaling in Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6277.	4.1	11
1987	Neuron-Glia-Immune Triad and Cortico-Limbic System in Pathology of Pain. <i>Cells</i> , 2021, 10, 1553.	4.1	11
1988	JM-20 Treatment After Mild Traumatic Brain Injury Reduces Glial Cell Pro-inflammatory Signaling and Behavioral and Cognitive Deficits by Increasing Neurotrophin Expression. <i>Molecular Neurobiology</i> , 2021, 58, 4615-4627.	4.0	6
1989	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimer's Disease. <i>Current Neuropharmacology</i> , 2021, 19, 908-924.	2.9	29
1990	Immune Response in Neurological Pathology: Emerging Role of Central and Peripheral Immune Crosstalk. <i>Frontiers in Immunology</i> , 2021, 12, 676621.	4.8	37
1991	Expression of Ripk1 and DAM genes correlates with severity and progression of Krabbe disease. <i>Human Molecular Genetics</i> , 2021, 30, 2082-2099.	2.9	5
1992	Inflammatory Response Leads to Neuronal Death in Human Post-Mortem Cerebral Cortex in Patients with COVID-19. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2143-2150.	3.5	50
1993	Specific and behaviorally consequential astrocyte Gq GPCR signaling attenuation in vivo with β ARK. <i>Neuron</i> , 2021, 109, 2256-2274.e9.	8.1	47
1994	Visceral adipose tissue imparts peripheral macrophage influx into the hypothalamus. <i>Journal of Neuroinflammation</i> , 2021, 18, 140.	7.2	15
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1999	A Lubricated Nonimmunogenic Neural Probe for Acute Insertion Trauma Minimization and Long-Term Signal Recording. <i>Advanced Science</i> , 2021, 8, e2100231.	11.2	24
2000	The impact of early life stress and immune challenge on behavior and glia cells alteration in late adolescent rats. <i>International Journal of Developmental Neuroscience</i> , 2021, 81, 407-415.	1.6	3
2001	How cytosolic compartments play safeguard functions against neuroinflammation and cell death in cerebral ischemia. <i>Metabolic Brain Disease</i> , 2021, 36, 1445-1467.	2.9	1
2002	New insights into glial scar formation after spinal cord injury. <i>Cell and Tissue Research</i> , 2022, 387, 319-336.	2.9	70
2003	Cisplatin-induced activation and functional modulation of satellite glial cells lead to cytokine-mediated modulation of sensory neuron excitability. <i>Experimental Neurology</i> , 2021, 341, 113695.	4.1	19
2004	TSPO imaging in animal models of brain diseases. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 77-109.	6.4	37
2005	Recent insights on astrocyte mechanisms in CNS homeostasis, pathology, and repair. <i>Journal of Neuroscience Research</i> , 2021, 99, 2427-2462.	2.9	31
2006	Cerebral Organoids—Challenges to Establish a Brain Prototype. <i>Cells</i> , 2021, 10, 1790.	4.1	12
2007	Blood—Brain Barrier and Neurodegenerative Diseases—Modeling with iPSC-Derived Brain Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7710.	4.1	36
2008	Anti-inflammatory effect of <i>Ailanthus altissima</i> (Mill.) Swingle leaves in lipopolysaccharide-stimulated astrocytes. <i>Journal of Ethnopharmacology</i> , 2021, , 114258.	4.1	10
2010	Modulation of the Primary Astrocyte-Enriched Cultures™ Oxylipin Profiles Reduces Neurotoxicity. <i>Metabolites</i> , 2021, 11, 498.	2.9	4
2012	Spinal cord regeneration: A brief overview of the present scenario and a sneak peek into the future. <i>Biotechnology Journal</i> , 2021, 16, e2100167.	3.5	7
2013	Inflammatory pathways in Alzheimer's disease mediated by gut microbiota. <i>Ageing Research Reviews</i> , 2021, 68, 101317.	10.9	81
2014	Diversity of Reactive Astrogliosis in CNS Pathology: Heterogeneity or Plasticity?. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 703810.	3.7	34
2016	Glial cell response to Epstein-Barr Virus infection: A plausible contribution to virus-associated inflammatory reactions in the brain. <i>Virology</i> , 2021, 559, 182-195.	2.4	34
2017	Donepezil Protects Against Doxorubicin-Induced Chemobrain in Rats via Attenuation of Inflammation and Oxidative Stress Without Interfering With Doxorubicin Efficacy. <i>Neurotherapeutics</i> , 2021, 18, 2107-2125.	4.4	30
2018	The Glymphatic System: A Novel Therapeutic Target for Stroke Treatment. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 689098.	3.4	38

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2020	Reactive astrocytes: The nexus of pathological and clinical hallmarks of Alzheimer's disease. <i>Ageing Research Reviews</i> , 2021, 68, 101335.	10.9	61
2022	Stimulation of astrocytic sigma-1 receptor is sufficient to ameliorate inflammation-induced depression. <i>Behavioural Brain Research</i> , 2021, 410, 113344.	2.2	9
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2024	Macrocyclic Immunoproteasome Inhibitors as a Potential Therapy for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10934-10950.	6.4	7
2025	Fibrillar α -synuclein induces neurotoxic astrocyte activation via RIP kinase signaling and NF- κ B. <i>Cell Death and Disease</i> , 2021, 12, 756.	6.3	37
2026	Pathophysiology of Spinal Cord Injury. <i>Neurosurgery Clinics of North America</i> , 2021, 32, 305-313.	1.7	37
2027	Emerging pathogenic role of peripheral blood factors following BBB disruption in neurodegenerative disease. <i>Ageing Research Reviews</i> , 2021, 68, 101333.	10.9	32
2028	The potential role of glial cells in driving the prion-like transcellular propagation of tau in tauopathies. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 14, 100242.	2.5	14
2029	Neurovascular Coupling in Development and Disease: Focus on Astrocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702832.	3.7	48
2030	Microglial responses to CSF1 overexpression do not promote the expansion of other glial lineages. <i>Journal of Neuroinflammation</i> , 2021, 18, 162.	7.2	3
2031	Astrocytic interleukin-3 programs microglia and limits Alzheimer's disease. <i>Nature</i> , 2021, 595, 701-706.	27.8	157
2032	Astrocyte activation imaging with ^{11}C -acetate and amyloid PET in mild cognitive impairment due to Alzheimer pathology. <i>Nuclear Medicine Communications</i> , 2021, 42, 1261-1269.	1.1	10
2033	Functional immune cell-astrocyte interactions. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	49
2034	Chronic complement dysregulation drives neuroinflammation after traumatic brain injury: a transcriptomic study. <i>Acta Neuropathologica Communications</i> , 2021, 9, 126.	5.2	13
2035	THY-Tau22 mouse model accumulates more tauopathy at late stage of the disease in response to microglia deactivation through TREM2 deficiency. <i>Neurobiology of Disease</i> , 2021, 155, 105398.	4.4	14
2036	Differential Proteomic Analysis of Astrocytes and Astrocytes-Derived Extracellular Vesicles from Control and Rai Knockout Mice: Insights into the Mechanisms of Neuroprotection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7933.	4.1	7
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2039	Nitric Oxide-Dependent Pathways as Critical Factors in the Consequences and Recovery after Brain Ischemic Hypoxia. <i>Biomolecules</i> , 2021, 11, 1097.	4.0	37
2040	Therapeutic Potential of a Novel Glucagon-like Peptide-1 Receptor Agonist, NLY01, in Experimental Autoimmune Encephalomyelitis. <i>Neurotherapeutics</i> , 2021, 18, 1834-1848.	4.4	11
2041	Potential application of human neural crest-derived nasal turbinate stem cells for the treatment of neuropathology and impaired cognition in models of Alzheimer's disease. <i>Stem Cell Research and Therapy</i> , 2021, 12, 402.	5.5	14
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2044	CXCL12 inhibits inflammasome activation in LPS-stimulated BV2 cells. <i>Brain Research</i> , 2021, 1763, 147446.	2.2	10
2045	The multicellular interplay of microglia in health and disease: lessons from leukodystrophy. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	9
2046	DJ-1 inhibits microglial activation and protects dopaminergic neurons in vitro and in vivo through interacting with microglial p65. <i>Cell Death and Disease</i> , 2021, 12, 715.	6.3	19
2047	RGC-32 Acts as a Hub to Regulate the Transcriptomic Changes Associated With Astrocyte Development and Reactive Astrocytosis. <i>Frontiers in Immunology</i> , 2021, 12, 705308.	4.8	1
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2050	Astrocytes propel neurovascular dysfunction during cerebral cavernous malformation lesion formation. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	32
2051	Chronic optogenetic stimulation of Bergman glia leads to dysfunction of EAAT1 and Purkinje cell death, mimicking the events caused by expression of pathogenic ataxin-1. <i>Neurobiology of Disease</i> , 2021, 154, 105340.	4.4	12
2052	Crosstalk Between Dysfunctional Mitochondria and Inflammation in Glaucomatous Neurodegeneration. <i>Frontiers in Pharmacology</i> , 2021, 12, 699623.	3.5	47
2053	Hot Topics in Recent Parkinson's Disease Research: Where We are and Where We Should Go. <i>Neuroscience Bulletin</i> , 2021, 37, 1735-1744.	2.9	19
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2056	Activation of the Hippocampal LXR β Improves Sleep-Deprived Cognitive Impairment by Inhibiting Neuroinflammation. <i>Molecular Neurobiology</i> , 2021, 58, 5272-5288.	4.0	12

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2058	Chronic colitis exacerbates NLRP3-dependent neuroinflammation and cognitive impairment in middle-aged brain. <i>Journal of Neuroinflammation</i> , 2021, 18, 153.	7.2	50
2059	Brain Repair by Cell Replacement via In Situ Neuronal Reprogramming. <i>Annual Review of Genetics</i> , 2021, 55, 45-69.	7.6	8
2060	Multifactorial Etiology of Adolescent Nicotine Addiction: A Review of the Neurobiology of Nicotine Addiction and Its Implications for Smoking Cessation Pharmacotherapy. <i>Frontiers in Public Health</i> , 2021, 9, 664748.	2.7	17
2061	Alpha-Synuclein Preformed Fibrils Induce Cellular Senescence in Parkinson's Disease Models. <i>Cells</i> , 2021, 10, 1694.	4.1	29
2062	Ponesimod protects against neuronal death by suppressing the activation of A1 astrocytes in early brain injury after experimental subarachnoid hemorrhage. <i>Journal of Neurochemistry</i> , 2021, 158, 880-897.	3.9	28
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2065	Astrocytes in Amyotrophic Lateral Sclerosis. , 0, , 35-54.		7
2066	Activation of Neuroprotective Microglia and Astrocytes at the Lesion Site and in the Adjacent Segments Is Crucial for Spontaneous Locomotor Recovery after Spinal Cord Injury. <i>Cells</i> , 2021, 10, 1943.	4.1	44
2067	Targeting Neuroinflammation via Purinergic P2 Receptors for Disease Modification in Drug-Refractory Epilepsy. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 3367-3392.	3.5	16
2068	The Glymphatic System (En)during Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7491.	4.1	70
2069	Oligodendrocytes and Microglia: Key Players in Myelin Development, Damage and Repair. <i>Biomolecules</i> , 2021, 11, 1058.	4.0	33
2070	A human three-dimensional neural-perivascular "assembloid"™ promotes astrocytic development and enables modeling of SARS-CoV-2 neuropathology. <i>Nature Medicine</i> , 2021, 27, 1600-1606.	30.7	94
2072	Fyn Kinase Activity and Its Role in Neurodegenerative Disease Pathology: a Potential Universal Target?. <i>Molecular Neurobiology</i> , 2021, 58, 5986-6005.	4.0	20
2073	Metabolism navigates neural cell fate in development, aging and neurodegeneration. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	16
2074	What Guides Peripheral Immune Cells into the Central Nervous System?. <i>Cells</i> , 2021, 10, 2041.	4.1	10
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2078	Asymmetric leftâ€“right hippocampal glutamatergic modulation of cognitive control in ApoEâ€“isoform subjects is unrelated to neuroinflammation. <i>European Journal of Neuroscience</i> , 2021, 54, 5310-5326.	2.6	1
2079	The acute phase protein lactoferrin is a key feature of Alzheimerâ€™s disease and predictor of AÎ² burden through induction of APP amyloidogenic processing. <i>Molecular Psychiatry</i> , 2021, 26, 5516-5531.	7.9	29
2080	Ketone Bodies in the Brain Beyond Fuel Metabolism: From Excitability to Gene Expression and Cell Signaling. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 732120.	2.9	30
2081	Neuroinflammatory astrocyte subtypes in the mouse brain. <i>Nature Neuroscience</i> , 2021, 24, 1475-1487.	14.8	285
2082	The role of endoplasmic reticulum stress in astrocytes. <i>Glia</i> , 2022, 70, 5-19.	4.9	30
2083	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 718324.	3.7	22
2084	Lipocalin 2 as a Putative Modulator of Local Inflammatory Processes in the Spinal Cord and Component of Organ Cross talk After Spinal Cord Injury. <i>Molecular Neurobiology</i> , 2021, 58, 5907-5919.	4.0	8
2085	Attenuating vascular stenosis-induced astrogliosis preserves white matter integrity and cognitive function. <i>Journal of Neuroinflammation</i> , 2021, 18, 187.	7.2	36
2086	New insights in drug development for Alzheimer's disease based on microglia function. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111703.	5.6	18
2087	Towards PET imaging of the dynamic phenotypes of microglia. <i>Clinical and Experimental Immunology</i> , 2021, 206, 282-300.	2.6	28
2088	Astroglial and Microglial Purinergic P2X7 Receptor as a Major Contributor to Neuroinflammation during the Course of Multiple Sclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8404.	4.1	24
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2124	The Role of Perioperative Sleep Disturbance in Postoperative Neurocognitive Disorders. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1395-1410.	2.7	31
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2160	Biomarkers of Post-COVID Depression. <i>Journal of Clinical Medicine</i> , 2021, 10, 4142.	2.4	52
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2165	Role of RhoA/ROCK signaling in Alzheimer's disease. <i>Behavioural Brain Research</i> , 2021, 414, 113481.	2.2	34
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2172	The Impact of Ageing on the CNS Immune Response in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2021, 12, 738511.	4.8	11
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2176	TAMs in Brain Metastasis: Molecular Signatures in Mouse and Man. <i>Frontiers in Immunology</i> , 2021, 12, 716504.	4.8	8
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2207	Absence of Apolipoprotein E is associated with exacerbation of prion pathology and promotes microglial neurodegenerative phenotype. <i>Acta Neuropathologica Communications</i> , 2021, 9, 157.	5.2	6
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2219	Extracellular Matrix–Mimetic Hydrogels for Treating Neural Tissue Injury: A Focus on Fibrin, Hyaluronic Acid, and Elastin–Like Polypeptide Hydrogels. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101329.	7.6	41
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2223	Maternal omega-3 intake differentially affects the endocannabinoid system in the progeny’s neocortex and hippocampus: Impact on synaptic markers. <i>Journal of Nutritional Biochemistry</i> , 2021, 96, 108782.	4.2	5
2224	Brain aging mechanisms with mechanical manifestations. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111575.	4.6	57
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2229	Adult hippocampal neurogenesis in the context of lipopolysaccharide-induced neuroinflammation: A molecular, cellular and behavioral review. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 286-302.	4.1	23
2231	Microbiota-gut-brain axis and Alzheimer's disease: Implications of the blood-brain barrier as an intervention target. <i>Mechanisms of Ageing and Development</i> , 2021, 199, 111560.	4.6	17
2233	"A picture is worth a thousand words": The use of microscopy for imaging neuroinflammation. <i>Clinical and Experimental Immunology</i> , 2021, 206, 325-345.	2.6	4
2234	Neuro-nutraceuticals: Natural products nourish the brain but be aware of contrary effects. <i>Neurochemistry International</i> , 2021, 150, 105159.	3.8	5
2235	Metformin reduces neuroinflammation and improves cognitive functions after traumatic brain injury. <i>Neuroscience Research</i> , 2021, 172, 99-109.	1.9	13
2236	Acute administration of sulfur-doped g-C ₃ N ₄ induces cognitive deficits and exacerbates the levels of glial activation in mouse hippocampus. <i>Brain Research Bulletin</i> , 2021, 176, 54-66.	3.0	5
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2242	Amyloid beta acts synergistically as a pro-inflammatory cytokine. <i>Neurobiology of Disease</i> , 2021, 159, 105493.	4.4	29
2243	Astrocyte inflammatory signaling mediates α -synuclein aggregation and dopaminergic neuronal loss following viral encephalitis. <i>Experimental Neurology</i> , 2021, 346, 113845.	4.1	12
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2246	Metanil yellow promotes oxidative stress, astrogliosis, and apoptosis in the cerebellar cortex of adult male rat with possible protective effect of scutellarin: A histological and immunohistochemical study. <i>Tissue and Cell</i> , 2021, 73, 101624.	2.2	11
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2249	Gliovascular Mechanisms and White Matter Injury in Vascular Cognitive Impairment and Dementia. , 2022, , 153-160.e4.		0
2250	Systemic LPS-induced microglial activation results in increased GABAergic tone: A mechanism of protection against neuroinflammation in the medial prefrontal cortex in mice. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 53-69.	4.1	37
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2459	Neurotoxicity of MDMA: Main effects and mechanisms. <i>Experimental Neurology</i> , 2022, 347, 113894.	4.1	28
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2474	Activation of in. <i>Neuromethods</i> , 2022, , 39-70.	0.3	0
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2864	Neuronal-glial communication perturbations in murine SOD1G93A spinal cord. <i>Communications Biology</i> , 2022, 5, 177.	4.4	8
2865	Potential Molecular Biomarkers of Central Nervous System Damage in Breast Cancer Survivors. <i>Journal of Clinical Medicine</i> , 2022, 11, 1215.	2.4	5
2866	Emerging Trends and Hot Spots in Sepsis-Associated Encephalopathy Research From 2001 to 2021: A Bibliometric Analysis. <i>Frontiers in Medicine</i> , 2022, 9, 817351.	2.6	5
2867	Astrocytic junctional adhesion molecule-A regulates T-cell entry past the glia limitans to promote central nervous system autoimmune attack. <i>Brain Communications</i> , 2022, 4, fcac044.	3.3	4
2869	Virus-Induced Membrane Fusion in Neurodegenerative Disorders. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 845580.	3.9	8
2870	Netrin-1 in Post-stroke Neuroprotection: Beyond Axon Guidance Cue. <i>Current Neuropharmacology</i> , 2022, 20, 1879-1887.	2.9	4
2871	Platelets, Thromboinflammation and Neurovascular Disease. <i>Frontiers in Immunology</i> , 2022, 13, 843404.	4.8	8
2873	DNA damage and repair in the visual center in the rhesus monkey model of glaucoma. <i>Experimental Eye Research</i> , 2022, 219, 109031.	2.6	5
2874	Site of Nerve Division Affects Pain-Related Behavior and Spinal Cord Glial Proliferation after C7 Neurotomy in a Rat Stroke Model. <i>Pain Research and Management</i> , 2022, 2022, 1-10.	1.8	0
2875	Fatty Acid-Binding Protein 4 Inhibition Promotes Locomotor and Autonomic Recovery in Rats following Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2022, 39, 1099-1112.	3.4	1
2876	Fibrinogen regulates lesion border-forming reactive astrocyte properties after vascular damage. <i>Glia</i> , 2022, 70, 1251-1266.	4.9	7
2877	Impacts of autofluorescence on fluorescence based techniques to study microglia. <i>BMC Neuroscience</i> , 2022, 23, 21.	1.9	9
2878	Complex Processes Underlying the Dynamic Changes of D-serine Levels in AD Brains. <i>Current Alzheimer Research</i> , 2022, 19, 485-493.	1.4	3
2879	Causal biological network models for reactive astrogliosis: a systems approach to neuroinflammation. <i>Scientific Reports</i> , 2022, 12, 4205.	3.3	2
2880	Presubiculum principal cells are preserved from degeneration in knock-in APP/TAU mouse models of Alzheimer's disease. <i>Seminars in Cell and Developmental Biology</i> , 2023, 139, 55-72.	5.0	8
2881	Efficacy of Disease Modifying Therapies in Progressive MS and How Immune Senescence May Explain Their Failure. <i>Frontiers in Neurology</i> , 2022, 13, 854390.	2.4	9
2882	Metabolic reprogramming in astrocytes results in neuronal dysfunction in intellectual disability. <i>Molecular Psychiatry</i> , 2022, , .	7.9	7

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2884	Colony-stimulating factor 1 receptor signaling in the central nervous system and the potential of its pharmacological inhibitors to halt the progression of neurological disorders. <i>Inflammopharmacology</i> , 2022, 30, 821-842.	3.9	6
2885	Microglial activation in Alzheimer's disease: The role of flavonoids and microRNAs. <i>Journal of Leukocyte Biology</i> , 2022, 112, 47-77.	3.3	7
2886	Captopril exhibits protective effects through anti-inflammatory and anti-apoptotic pathways against hydrogen peroxide-induced oxidative stress in C6 glioma cells. <i>Metabolic Brain Disease</i> , 2022, 37, 1221-1230.	2.9	7
2887	Aberrant Cerebral Iron Trafficking Co-morbid With Chronic Inflammation: Molecular Mechanisms and Pharmacologic Intervention. <i>Frontiers in Neurology</i> , 2022, 13, 855751.	2.4	6
2888	Regulating Endogenous Neural Stem Cell Activation to Promote Spinal Cord Injury Repair. <i>Cells</i> , 2022, 11, 846.	4.1	26
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2891	Decoupling astrocytes in adult mice impairs synaptic plasticity and spatial learning. <i>Cell Reports</i> , 2022, 38, 110484.	6.4	43
2894	Physical Exercise, a Potential Non-Pharmacological Intervention for Attenuating Neuroinflammation and Cognitive Decline in Alzheimer's Disease Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3245.	4.1	13
2895	Acute Cerebellar Inflammation and Related Ataxia: Mechanisms and Pathophysiology. <i>Brain Sciences</i> , 2022, 12, 367.	2.3	11
2896	Transcriptional control of retinal ganglion cell death after axonal injury. <i>Cell Death and Disease</i> , 2022, 13, 244.	6.3	2
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2900	The Specific Role of Reactive Astrocytes in Stroke. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 850866.	3.7	27
2901	Water Treadmill Training Ameliorates Neurite Outgrowth Inhibition Associated with NGR/RhoA/ROCK by Inhibiting Astrocyte Activation following Spinal Cord Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-20.	4.0	4
2902	Potential role of chitinase-like protein 1 (CHI3L1/YKL40) in neurodegeneration and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2023, 19, 9-24.	0.8	35
2903	Modulatory effect of IL-1 inhibition following lipopolysaccharide-induced neuroinflammation in neonatal microglia and astrocytes. <i>International Journal of Developmental Neuroscience</i> , 2022, , .	1.6	3
2904	Neuroinflammation, Microglia and Implications for Retinal Ganglion Cell Survival and Axon Regeneration in Traumatic Optic Neuropathy. <i>Frontiers in Immunology</i> , 2022, 13, 860070.	4.8	26

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2908	Homer1 promotes the conversion of A1 astrocytes to A2 astrocytes and improves the recovery of transgenic mice after intracerebral hemorrhage. <i>Journal of Neuroinflammation</i> , 2022, 19, 67.	7.2	23
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2910	Dysfunctional cGMP Signaling Leads to Age-Related Retinal Vascular Alterations and Astrocyte Remodeling in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3066.	4.1	4
2911	Astrocytes and Microglia Exhibit Cell-Specific Ca ²⁺ Signaling Dynamics in the Murine Spinal Cord. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 840948.	2.9	7
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2913	Temporal and spatial cellular and molecular pathological alterations with single-cell resolution in the adult spinal cord after injury. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 65.	17.1	49
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2916	Protective Effect of Human-Neural-Crest-Derived Nasal Turbinate Stem Cells against Amyloid- β^2 Neurotoxicity through Inhibition of Osteopontin in a Human Cerebral Organoid Model of Alzheimer's Disease. <i>Cells</i> , 2022, 11, 1029.	4.1	5
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2923	Theranostic Copolymers Neutralize Reactive Oxygen Species and Lipid Peroxidation Products for the Combined Treatment of Traumatic Brain Injury. <i>Biomacromolecules</i> , 2022, 23, 1703-1712.	5.4	5
2924	Antiepileptic Effects of Tetrahedral Framework Nucleic Acid via Inhibition of Gliosis-Induced Downregulation of Glutamine Synthetase and Increased AMPAR Internalization in the Postsynaptic Membrane. <i>Nano Letters</i> , 2022, 22, 2381-2390.	9.1	45

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2926	Role of Macrophages and Mast Cells as Key Players in the Maintenance of Gastrointestinal Smooth Muscle Homeostasis and Disease. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1849-1862.	4.5	12
2927	Quantitative transportomics identifies Kif5a as a major regulator of neurodegeneration. <i>ELife</i> , 2022, 11, .	6.0	10
2928	Diminished LC3-Associated Phagocytosis by Huntington's Disease Striatum Astrocytes. <i>Journal of Huntington's Disease</i> , 2022, 11, 25-33.	1.9	7
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2931	Neuroglial activity in the focus of ischemic stroke. <i>Pacific Medical Journal</i> , 2022, , 72-78.	0.3	0
2932	Estradiol and Estrogen-like Alternative Therapies in Use: The Importance of the Selective and Non-Classical Actions. <i>Biomedicines</i> , 2022, 10, 861.	3.2	18
2933	Antidepressant Potential of Quercetin and its Glycoside Derivatives: A Comprehensive Review and Update. <i>Frontiers in Pharmacology</i> , 2022, 13, 865376.	3.5	21
2934	Interleukin-1 Mediates Ischemic Brain Injury via Induction of IL-17A in $\gamma\delta$ T Cells and CXCL1 in Astrocytes. <i>NeuroMolecular Medicine</i> , 2022, 24, 437-451.	3.4	9
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2936	The impairment of the hippocampal neuro-vascular unit precedes changes in spatial cognition in naturally aged rats. <i>Neuroscience Letters</i> , 2022, 776, 136580.	2.1	4
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2943	Functions of astrocytes in multiple sclerosis: A review. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 60, 103749.	2.0	8
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2947	Fungal CNS Infections in Africa: The Neuroimmunology of Cryptococcal Meningitis. <i>Frontiers in Immunology</i> , 2022, 13, 804674.	4.8	13
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2950	NLRP3 inflammasome of microglia promotes A1 astrocyte transformation, neo-neuron decline and cognition impairment in endotoxemia. <i>Biochemical and Biophysical Research Communications</i> , 2022, 602, 1-7.	2.1	11
2951	Melanoma-Secreted Amyloid Beta Suppresses Neuroinflammation and Promotes Brain Metastasis. <i>Cancer Discovery</i> , 2022, 12, 1314-1335.	9.4	31
2952	The Important Double-Edged Role of Astrocytes in Neurovascular Unit After Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 833431.	3.4	9
2953	Neuroinflammation and apoptosis after surgery for a rat model of double-level cervical cord compression. <i>Neurochemistry International</i> , 2022, 157, 105340.	3.8	7
2954	Progression in translational research on spinal cord injury based on microenvironment imbalance. <i>Bone Research</i> , 2022, 10, 35.	11.4	64
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2960	Inflammation at the crossroads of COVID-19, cognitive deficits and depression. <i>Neuropharmacology</i> , 2022, 209, 109023.	4.1	38
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2964	Retinal pathology in spontaneous optico-spinal experimental autoimmune encephalitis mice. <i>Journal of Neuroimmunology</i> , 2022, 367, 577859.	2.3	2
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2970	Mechanisms Underlying Neuropathic Pain – Essential Roles of Cortical Astrocytes. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2021, 58, 1229-1234.	0.0	0
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2974	Glial-Neuronal Interactions in Pathogenesis and Treatment of Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13577.	4.1	30
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2981	Abnormal Ca ²⁺ Signals in Reactive Astrocytes as a Common Cause of Brain Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 149.	4.1	5
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2997	Astrocytic CXCL1 motif chemokine ligand-1 mediates β -amyloid-induced synaptotoxicity. <i>Journal of Neuroinflammation</i> , 2021, 18, 306.	7.2	16
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3033	Modulation of Neuropathic Pain by Glial Regulation in the Insular Cortex of Rats. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 815945.	2.9	6
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3035	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.	14.3	64
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