Astrocytes mediate synapse elimination through MEGF

Nature

504, 394-400

DOI: 10.1038/nature12776

Citation Report

#	Article	IF	Citations
1	Revising and validating the 2000 Word Level and University Word Level Vocabulary Tests. Language Testing, 1999, 16, 131-162.	1.7	88
2	A Lack of Immune System Genes Causes Loss in High Frequency Hearing but Does Not Disrupt Cochlear Synapse Maturation in Mice. PLoS ONE, 2014, 9, e94549.	1.1	16
3	Transplantation of Induced Pluripotent Stem Cells Improves Functional Recovery in Huntington's Disease Rat Model. PLoS ONE, 2014, 9, e101185.	1.1	48
4	Perinatal Exposure to Bisphenol-A Impairs Spatial Memory through Upregulation of Neurexin1 and Neuroligin3 Expression in Male Mouse Brain. PLoS ONE, 2014, 9, e110482.	1.1	31
5	Epigenetic mechanisms regulating differentiation of neural stem/precursor cells. Epigenomics, 2014, 6, 637-649.	1.0	19
6	Transcellular degradation of axonal mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9633-9638.	3.3	476
7	Inconsistencies and Controversies Surrounding the Amyloid Hypothesis of Alzheimer's Disease. Acta Neuropathologica Communications, 2014, 2, 135.	2.4	246
8	PI3K Signaling and Stat92E Converge to Modulate Glial Responsiveness to Axonal Injury. PLoS Biology, 2014, 12, e1001985.	2.6	55
9	Characterization of the BAC Id3-enhanced green fluorescent protein transgenic mouse line forin vivoimaging of astrocytes. Neurophotonics, 2014, 1, 011014.	1.7	8
10	Targeted GAS6 Delivery to the CNS Protects Axons from Damage during Experimental Autoimmune Encephalomyelitis. Journal of Neuroscience, 2014, 34, 16320-16335.	1.7	50
11	Myogenin is a positive regulator of MEGF10 expression in skeletal muscle. Biochemical and Biophysical Research Communications, 2014, 450, 1631-1637.	1.0	19
12	The TAM family: phosphatidylserine-sensing receptor tyrosine kinases gone awry in cancer. Nature Reviews Cancer, 2014, 14, 769-785.	12.8	541
13	Neural ECM and synaptogenesis. Progress in Brain Research, 2014, 214, 29-51.	0.9	41
14	The ubiquitin proteasome system in glia and its role in neurodegenerative diseases. Frontiers in Molecular Neuroscience, 2014, 7, 73.	1.4	99
15	Mechanisms of astrocyte development and their contributions to neurodevelopmental disorders. Current Opinion in Neurobiology, 2014, 27, 75-81.	2.0	198
16	DRK/DOS/SOS converge with Crk/Mbc/dCed-12 to activate Rac1 during glial engulfment of axonal debris. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12544-12549.	3.3	31
17	Silencing of drpr Leads to Muscle and Brain Degeneration in Adult Drosophila. American Journal of Pathology, 2014, 184, 2653-2661.	1.9	23
18	Cellular and Molecular Mechanisms of Synaptic Specificity. Annual Review of Cell and Developmental Biology, 2014, 30, 417-437.	4.0	125

#	Article	IF	Citations
19	Transformation of cortical and hippocampal neural circuit by environmental enrichment. Neuroscience, 2014, 280, 282-298.	1.1	76
20	Activity dependent mechanisms of visual map formation - From retinal waves to molecular regulators. Seminars in Cell and Developmental Biology, 2014, 35, 136-146.	2.3	50
21	Sensory-Related Neural Activity Regulates the Structure of Vascular Networks in the Cerebral Cortex. Neuron, 2014, 83, 1117-1130.	3.8	131
22	Slow Neuromodulation Mediated by ATP P2X Receptors. Neuron, 2014, 83, 257-259.	3.8	4
23	Astrocyte Morphology Is Controlled by Neuron-Derived FGF. Neuron, 2014, 83, 255-257.	3.8	8
24	Loss of mTOR-Dependent Macroautophagy Causes Autistic-like Synaptic Pruning Deficits. Neuron, 2014, 83, 1131-1143.	3.8	863
25	Activity-Dependent Structural Plasticity of Perisynaptic Astrocytic Domains Promotes Excitatory Synapse Stability. Current Biology, 2014, 24, 1679-1688.	1.8	294
26	Synapse rearrangements upon learning: from divergentâ€“sparse connectivity to dedicated sub-circuits. Trends in Neurosciences, 2014, 37, 604-614.	4.2	76
27	Astrocyte Regulation of Synaptic Behavior. Annual Review of Cell and Developmental Biology, 2014, 30, 439-463.	4.0	244
28	Astrocytes engage unique molecular programs to engulf pruned neuronal debris from distinct subsets of neurons. Genes and Development, 2014, 28, 20-33.	2.7	191
29	Microglia in Health and Disease. , 2014, , .		19
30	Astrocyte Reactivity and Reactive Astrogliosis: Costs and Benefits. Physiological Reviews, 2014, 94, 1077-1098.	13.1	701
31	Structural and Functional Plasticity of Astrocyte Processes and Dendritic Spine Interactions. Journal of Neuroscience, 2014, 34, 12738-12744.	1.7	234
32	Astrocytic control of neural circuit formation: Highlights on TGF-beta signaling. Neurochemistry International, 2014, 78, 18-27.	1.9	65
33	Astrocytes and neuroinflammation in Alzheimer's disease. Biochemical Society Transactions, 2014, 42, 1321-1325.	1.6	76
34	The contribution of astrocytes to Alzheimer's disease. Biochemical Society Transactions, 2014, 42, 1316-1320.	1.6	39
35	Tyro3, Axl, and Mertk Receptor Signaling in Inflammatory Bowel Disease and Colitis-associated Cancer. Inflammatory Bowel Diseases, 2014, 20, 1472-1480.	0.9	30
36	Terminal Schwann Cells Lead Synapse Remodelling following Injury. ENeuro, 2014, 1, ENEURO.0028-14.2014.	0.9	0

#	Article	IF	Citations
37	Association of astrocytes with neurons and astrocytes derived from distinct progenitor domains in the subpallium. Scientific Reports, 2015, 5, 12258.	1.6	14
38	Adolescent Intermittent Alcohol Exposure: Dysregulation of Thrombospondins and Synapse Formation are Associated with Decreased Neuronal Density in the Adult Hippocampus. Alcoholism: Clinical and Experimental Research, 2015, 39, 2403-2413.	1.4	55
39	Slow degradation in phagocytic astrocytes can be enhanced by lysosomal acidification. Glia, 2015, 63, 1997-2009.	2.5	43
40	Glial response in the rat models of functionally distinct cholinergic neuronal denervations. Journal of Neuroscience Research, 2015, 93, 244-252.	1.3	1
41	Novel Therapeutic Approach for Autism Spectrum Disorder: Focus on SHANK3. Current Neuropharmacology, 2015, 13, 786-792.	1.4	17
42	The established and emerging roles of astrocytes and microglia in amyotrophic lateral sclerosis and frontotemporal dementia. Frontiers in Cellular Neuroscience, 2015, 9, 414.	1.8	90
43	Neuroinflammation in Multiple System Atrophy: Response to and Cause of Î±-Synuclein Aggregation. Frontiers in Cellular Neuroscience, 2015, 9, 437.	1.8	77
44	Switching modes in corticogenesis: mechanisms of neuronal subtype transitions and integration in the cerebral cortex. Frontiers in Neuroscience, 2015, 9, 274.	1.4	51
45	Astrocyte matricellular proteins that control excitatory synaptogenesis are regulated by inflammatory cytokines and correlate with paralysis severity during experimental autoimmune encephalomyelitis. Frontiers in Neuroscience, 2015, 9, 344.	1.4	27
46	The Autism Related Protein Contactin-Associated Protein-Like 2 (CNTNAP2) Stabilizes New Spines: An In Vivo Mouse Study. PLoS ONE, 2015, 10, e0125633.	1.1	68
47	Tyro3 Modulates Mertk-Associated Retinal Degeneration. PLoS Genetics, 2015, 11, e1005723.	1.5	55
48	Group B Streptococcal Infection and Activation of Human Astrocytes. PLoS ONE, 2015, 10, e0128431.	1.1	20
49	The choreography of neuroinflammation in Huntington's disease. Trends in Immunology, 2015, 36, 364-373.	2.9	209
50	Astrocytes phagocytose focal dystrophies from shortening myelin segments in the optic nerve of Xenopus laevis at metamorphosis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10509-10514.	3.3	46
51	HIV-1 target cells in the CNS. Journal of NeuroVirology, 2015, 21, 276-289.	1.0	141
52	Astrocytes Control Synapse Formation, Function, and Elimination. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020370.	2.3	560
53	Chronic stimulation of alpha-2A-adrenoceptors with guanfacine protects rodent prefrontal cortex dendritic spines and cognition from the effects of chronic stress. Neurobiology of Stress, 2015, 2, 1-9.	1.9	43
54	P2X7 Receptors Mediate Innate Phagocytosis by Human Neural Precursor Cells and Neuroblasts. Stem Cells, 2015, 33, 526-541.	1.4	40

#	Article	IF	Citations
55	Glial Development and Function in the Nervous System ofCaenorhabditis elegans. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020578.	2.3	54
56	TAM Receptor Signaling in Immune Homeostasis. Annual Review of Immunology, 2015, 33, 355-391.	9.5	354
57	Microglia: Multitasking Specialists of the Brain. Developmental Cell, 2015, 32, 469-477.	3.1	164
58	Localization and Trafficking of Amyloid-Î² Protein Precursor and Secretases: Impact on Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 45, 329-347.	1.2	64
59	Mechanisms of developmental neurite pruning. Cellular and Molecular Life Sciences, 2015, 72, 101-119.	2.4	137
60	DrosophilaCentral Nervous System Glia. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020552.	2.3	216
61	Glial fibrillary acidic protein (GFAP) and the astrocyte intermediate filament system in diseases of the central nervous system. Current Opinion in Cell Biology, 2015, 32, 121-130.	2.6	602
62	Experience with the â€œGoodâ€•Limb Induces Aberrant Synaptic Plasticity in the Perilesion Cortex after Stroke. Journal of Neuroscience, 2015, 35, 8604-8610.	1.7	37
63	Microglia Function in Central Nervous System Development and Plasticity. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020545.	2.3	264
64	Glial Regulation of the Neuronal Connectome through Local and Long-Distant Communication. Neuron, 2015, 86, 374-386.	3.8	126
65	Astrocyte barriers to neurotoxic inflammation. Nature Reviews Neuroscience, 2015, 16, 249-263.	4.9	880
66	Vertebrate Epidermal Cells Are Broad-Specificity Phagocytes That Clear Sensory Axon Debris. Journal of Neuroscience, 2015, 35, 559-570.	1.7	62
67	Prion-like transmission of neuronal huntingtin aggregates to phagocytic glia in the Drosophila brain. Nature Communications, 2015, 6, 6768.	5.8	139
68	Glia: guardians, gluttons, or guides for the maintenance of neuronal connectivity?. Annals of the New York Academy of Sciences, 2015, 1351, 1-10.	1.8	34
69	Dysregulation of astrocyte extracellular signaling in Costello syndrome. Science Translational Medicine, 2015, 7, 286ra66.	5.8	70
70	Mapping Synapses by Conjugate Light-Electron Array Tomography. Journal of Neuroscience, 2015, 35, 5792-5807.	1.7	115
71	Stress weakens prefrontal networks: molecular insults to higher cognition. Nature Neuroscience, 2015, 18, 1376-1385.	7.1	509
72	The TAM receptor Mertk protects against neuroinvasive viral infection by maintaining blood-brain barrier integrity. Nature Medicine, 2015, 21, 1464-1472.	15.2	113

#	Article	IF	Citations
73	Do glia drive synaptic and cognitive impairment in disease?. Nature Neuroscience, 2015, 18, 1539-1545.	7.1	344
74	Physiology of Astroglia: Channels, Receptors, Transporters, Ion Signaling and Gliotransmission. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2015, 2, 1-172.	0.5	4
75	Neuronal exosomes facilitate synaptic pruning by up-regulating complement factors in microglia. Scientific Reports, 2015, 5, 7989.	1.6	150
76	Ganglioside accumulation in activated glia in the developing brain: comparison between WT and GalNAcT KO mice. Journal of Lipid Research, 2015, 56, 1434-1448.	2.0	17
77	Stem and Progenitor Cell-Derived Astroglia Therapies for Neurological Diseases. Trends in Molecular Medicine, 2015, 21, 715-729.	3.5	17
78	SPARC triggers a cell-autonomous program of synapse elimination. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13366-13371.	3.3	41
79	Sculpting Neural Circuits by Axon and Dendrite Pruning. Annual Review of Cell and Developmental Biology, 2015, 31, 779-805.	4.0	256
80	Phagocytosis of apoptotic cells in homeostasis. Nature Immunology, 2015, 16, 907-917.	7.0	632
81	SnapShot: Astrocytes in Health and Disease. Cell, 2015, 162, 1170-1170.e1.	13.5	116
82	Translational profiling identifies a cascade of damage initiated in motor neurons and spreading to glia in mutant SOD1-mediated ALS. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6993-7002.	3.3	165
83	Dendritic Remodeling. International Review of Cell and Molecular Biology, 2015, 318, 1-25.	1.6	24
84	Astrocyte Development and Heterogeneity. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020362.	2.3	275
85	Microglial Dynamics and Role in the Healthy and Diseased Brain. Neuroscientist, 2015, 21, 169-184.	2.6	275
86	Regulation of brain microglia by female gonadal steroids. Journal of Steroid Biochemistry and Molecular Biology, 2015, 146, 3-14.	1.2	90
87	Astrogliosis. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020420.	2.3	485
88	Glial Cell Development and Function in Zebrafish. Cold Spring Harbor Perspectives in Biology, 2015, 7, a020586.	2.3	102
89	The role of the immune system in neurodegenerative disorders: Adaptive or maladaptive?. Brain Research, 2015, 1617, 155-173.	1.1	78
90	Astrocytes: Adhesion Molecules and Immunomodulation. Current Drug Targets, 2016, 17, 1871-1881.	1.0	46

#	Article	IF	Citations
91	A Common Language: How Neuroimmunological Cross Talk Regulates Adult Hippocampal Neurogenesis. Stem Cells International, 2016, 2016, 1-13.	1.2	22
92	Mitochondria Know No Boundaries: Mechanisms and Functions of Intercellular Mitochondrial Transfer. Frontiers in Cell and Developmental Biology, 2016, 4, 107.	1.8	296
93	Astrocytes and Microglia and Their Potential Link with Autism Spectrum Disorders. Frontiers in Cellular Neuroscience, 2016, 10, 21.	1.8	129
94	How Does Transcranial Magnetic Stimulation Influence Glial Cells in the Central Nervous System?. Frontiers in Neural Circuits, 2016, 10, 26.	1.4	75
95	The Indispensable Roles of Microglia and Astrocytes during Brain Development. Frontiers in Human Neuroscience, 2016, 10, 566.	1.0	411
96	The homeostatic astroglia emerges from evolutionary specialization of neural cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150428.	1.8	89
97	Apoptotic cell recognition receptors and scavenger receptors. Immunological Reviews, 2016, 269, 44-59.	2.8	157
98	Aging-Resilient Associations between the Arcuate Fasciculus and Vocabulary Knowledge: Microstructure or Morphology?. Journal of Neuroscience, 2016, 36, 7210-7222.	1.7	27
99	Cocaine promotes primary human astrocyte proliferation via JNK-dependent up-regulation of cyclin A2. Restorative Neurology and Neuroscience, 2016, 34, 965-976.	0.4	10
100	Aged neutrophils contribute to the first line of defense in the acute inflammatory response. Blood, 2016, 128, 2327-2337.	0.6	187
101	Astrocyte-to-neuron intercellular prion transfer is mediated by cell-cell contact. Scientific Reports, 2016, 6, 20762.	1.6	67
102	Delayed glial clearance of degenerating axons in aged Drosophila is due to reduced PI3K/Draper activity. Nature Communications, 2016, 7, 12871.	5.8	40
103	Multi-tissue transcriptomics for construction of a comprehensive gene resource for the terrestrial snail Theba pisana. Scientific Reports, 2016, 6, 20685.	1.6	10
104	TAM receptors regulate multiple features of microglial physiology. Nature, 2016, 532, 240-244.	13.7	441
105	Accumulation of amyloid-Î² by astrocytes result in enlarged endosomes and microvesicle-induced apoptosis of neurons. Molecular Neurodegeneration, 2016, 11, 38.	4.4	171
106	Neural Activity-Dependent Regulation of Radial Glial Filopodial Motility Is Mediated by Glial cGMP-Dependent Protein Kinase 1 and Contributes to Synapse Maturation in the Developing Visual System. Journal of Neuroscience, 2016, 36, 5279-5288.	1.7	27
107	Brain aerobic glycolysis and motor adaptation learning. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3782-91.	3.3	62
108	Glial cell response after aneurysmal subarachnoid hemorrhage â€" Functional consequences and clinical implications. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 492-505.	1.8	38

#	Article	IF	Citations
109	Getting to the Outer Leaflet: Physiology of Phosphatidylserine Exposure at the Plasma Membrane. Physiological Reviews, 2016, 96, 605-645.	13.1	322
110	Astrocytic Ephrin-B1 Regulates Synapse Remodeling Following Traumatic Brain Injury. ASN Neuro, 2016, 8, 175909141663022.	1.5	60
111	Advancing the understanding of autism disease mechanisms through genetics. Nature Medicine, 2016, 22, 345-361.	15.2	684
112	Astrocyte structural reactivity and plasticity in models of retinal detachment. Experimental Eye Research, 2016, 150, 4-21.	1.2	52
113	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. Nature Medicine, 2016, 22, 586-597.	15.2	987
114	Megf10 Is a Receptor for C1Q That Mediates Clearance of Apoptotic Cells by Astrocytes. Journal of Neuroscience, 2016, 36, 5185-5192.	1.7	121
115	Astrocyte Dysfunction in Developmental Neurometabolic Diseases. Advances in Experimental Medicine and Biology, 2016, 949, 227-243.	0.8	12
116	Connecting Malfunctioning Glial Cells and Brain Degenerative Disorders. Genomics, Proteomics and Bioinformatics, 2016, 14, 155-165.	3.0	28
117	Purine Signaling and Microglial Wrapping. Advances in Experimental Medicine and Biology, 2016, 949, 147-165.	0.8	19
118	Glial Cells in Health and Disease of the CNS. Advances in Experimental Medicine and Biology, 2016, , .	0.8	9
119	Glial Cells and Integrity of the Nervous System. Advances in Experimental Medicine and Biology, 2016, 949, 1-24.	0.8	46
120	Insulin-like Signaling Promotes Glial Phagocytic Clearance of Degenerating Axons through Regulation of Draper. Cell Reports, 2016, 16, 1838-1850.	2.9	49
121	Mosaics and Lamination in the Retina. , 2016, , 213-244.		0
122	Novel allele-dependent role for APOE in controlling the rate of synapse pruning by astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10186-10191.	3.3	179
123	Regenerating white matter using human iPSC-derived immature astroglia. Neurogenesis (Austin, Tex), 2016, 3, e1224453.	1.5	2
124	Astrocyte signaling and synaptic homeostasis. Neurology, 2016, 87, 726-735.	1.5	10
125	Common and Divergent Mechanisms in Developmental Neuronal Remodeling and Dying Back Neurodegeneration. Current Biology, 2016, 26, R628-R639.	1.8	67
126	Brain in a Dish. , 2016, , 117-132.		2

#	Article	IF	Citations
127	Postnatal activation of TLR4 in astrocytes promotes excitatory synaptogenesis in hippocampal neurons. Journal of Cell Biology, 2016, 215, 719-734.	2.3	94
128	Regressive Phenomena: Refining Connections. , 2016, , 265-294.		0
129	Analysis of Shared Haplotypes amongst Palauans Maps Loci for Psychotic Disorders to 4q28 and 5q23-q31. Molecular Neuropsychiatry, 2016, 2, 173-184.	3.0	2
130	A fly's view of neuronal remodeling. Wiley Interdisciplinary Reviews: Developmental Biology, 2016, 5, 618-635.	5.9	57
131	MIRNAS in Astrocyte-Derived Exosomes as Possible Mediators of Neuronal Plasticity. Journal of Experimental Neuroscience, 2016, 10s1, JEN.S39916.	2.3	60
132	Early network activity propagates bidirectionally between hippocampus and cortex. Developmental Neurobiology, 2016, 76, 661-672.	1.5	6
133	BDNF Signaling Promotes Vestibular Compensation by Increasing Neurogenesis and Remodeling the Expression of Potassium-Chloride Cotransporter KCC2 and GABAAReceptor in the Vestibular Nuclei. Journal of Neuroscience, 2016, 36, 6199-6212.	1.7	47
134	Maternal obesity leads to increased proliferation and numbers of astrocytes in the developing fetal and neonatal mouse hypothalamus. International Journal of Developmental Neuroscience, 2016, 53, 18-25.	0.7	40
135	A complementâ€“microglial axis drives synapse loss during virus-induced memory impairment. Nature, 2016, 534, 538-543.	13.7	534
136	Human iPSC-Derived Immature Astroglia Promote Oligodendrogenesis by Increasing TIMP-1 Secretion. Cell Reports, 2016, 15, 1303-1315.	2.9	44
137	C1q propagates microglial activation and neurodegeneration in the visual axis following retinal ischemia/reperfusion injury. Molecular Neurodegeneration, 2016, 11, 24.	4.4	65
138	Reporting methods for processing and analysis of data from serial block face scanning electron microscopy. Journal of Microscopy, 2016, 263, 3-9.	0.8	38
139	Perisynaptic astroglial processes: dynamic processors of neuronal information. Brain Structure and Function, 2016, 221, 2427-2442.	1.2	53
140	Astrocytic role in synapse formation after injury. Brain Research, 2016, 1645, 18-21.	1.1	2
141	A Two-Immunoglobulin-Domain Transmembrane Protein Mediates an Epidermal-Neuronal Interaction to Maintain Synapse Density. Neuron, 2016, 89, 325-336.	3.8	35
142	Astrocytes: a central element in neurological diseases. Acta Neuropathologica, 2016, 131, 323-345.	3.9	597
143	Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse. Neuron, 2016, 89, 37-53.	3.8	1,741
144	Defective Phagocytic Corpse Processing Results in Neurodegeneration and Can Be Rescued by TORC1 Activation. Journal of Neuroscience, 2016, 36, 3170-3183.	1.7	50

#	Article	IF	Citations
145	Sialylation of neurites inhibits complementâ€mediated macrophage removal in a human macrophageâ€neuron Coâ€Culture System. Glia, 2016, 64, 35-47.	2.5	26
146	Microglia: Architects of the Developing Nervous System. Trends in Cell Biology, 2016, 26, 587-597.	3.6	264
147	The Gas6-Axl Protein Interaction Mediates Endothelial Uptake of Platelet Microparticles. Journal of Biological Chemistry, 2016, 291, 10586-10601.	1.6	45
148	The Cellular Phase of Alzheimerâ€™s Disease. Cell, 2016, 164, 603-615.	13.5	1,346
149	New tools for studying microglia in the mouse and human CNS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1738-46.	3.3	1,400
150	Neurological Diseases from a Systems Medicine Point of View. Methods in Molecular Biology, 2016, 1386, 221-250.	0.4	3
151	Neuregulin1 displayed on motor axons regulates terminal Schwann cell-mediated synapse elimination at developing neuromuscular junctions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E479-87.	3.3	64
152	Pharmacological modulation of astrocytes and the role of cell type-specific histone modifications for the treatment of mood disorders. Current Opinion in Pharmacology, 2016, 26, 61-66.	1.7	10
153	Glial Contributions to Neural Function and Disease. Molecular and Cellular Proteomics, 2016, 15, 355-361.	2.5	41
154	Gliaâ€“neuron interactions in the mammalian retina. Progress in Retinal and Eye Research, 2016, 51, 1-40.	7.3	593
155	Astrocyte roles in traumatic brain injury. Experimental Neurology, 2016, 275, 305-315.	2.0	562
156	The Human Model: Changing Focus on Autism Research. Biological Psychiatry, 2016, 79, 642-649.	0.7	23
157	Learning to swim, again: Axon regeneration in fish. Experimental Neurology, 2017, 287, 318-330.	2.0	62
158	Back and forth in time: Directing age in iPSC-derived lineages. Brain Research, 2017, 1656, 14-26.	1.1	38
159	Models of progressive neurological dysfunction originating early in life. Progress in Neurobiology, 2017, 155, 2-20.	2.8	22
160	Genome instability: Linking ageing and brain degeneration. Mechanisms of Ageing and Development, 2017, 161, 4-18.	2.2	11
161	Neurotoxic reactive astrocytes are induced by activated microglia. Nature, 2017, 541, 481-487.	13.7	4,977
162	Phosphatidylserine Exposure Controls Viral Innate Immune Responses by Microglia. Neuron, 2017, 93, 574-586.e8.	3.8	64

#	Article	IF	Citations
163	ApoE, ApoE Receptors, and the Synapse in Alzheimer's Disease. Trends in Endocrinology and Metabolism, 2017, 28, 273-284.	3.1	112
164	Intranasal C3a treatment ameliorates cognitive impairment in a mouse model of neonatal hypoxicâ€“ischemic brain injury. Experimental Neurology, 2017, 290, 74-84.	2.0	36
165	Microglia in CNS development: Shaping the brain for the future. Progress in Neurobiology, 2017, 149-150, 1-20.	2.8	203
166	Biogenetic and morphofunctional heterogeneity of mitochondria: the case of synaptic mitochondria. Reviews in the Neurosciences, 2017, 28, 363-373.	1.4	32
167	Protein phosphatase 4 coordinates glial membrane recruitment and phagocytic clearance of degenerating axons in Drosophila. Cell Death and Disease, 2017, 8, e2623-e2623.	2.7	11
168	Axon degeneration induces glial responses through Draper-TRAF4-JNK signalling. Nature Communications, 2017, 8, 14355.	5.8	53
169	Microbiota alteration is associated with the development of stress-induced despair behavior. Scientific Reports, 2017, 7, 43859.	1.6	259
170	miRâ€31 mutants reveal continuous glial homeostasis in the adult Drosophila brain. EMBO Journal, 2017, 36, 1215-1226.	3.5	16
171	Astrocytes locally translate transcripts in their peripheral processes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3830-E3838.	3.3	151
172	iPSC-Derived Human Microglia-like Cells to Study Neurological Diseases. Neuron, 2017, 94, 278-293.e9.	3.8	730
173	Activated Microglia Desialylate and Phagocytose Cells via Neuraminidase, Galectin-3, and Mer Tyrosine Kinase. Journal of Immunology, 2017, 198, 4792-4801.	0.4	83
174	Consequences of MEGF10 deficiency on myoblast function and Notch1 interactions. Human Molecular Genetics, 2017, 26, 2984-3000.	1.4	30
175	Lysosomal Acidification in Cultured Astrocytes Using Nanoparticles. Methods in Molecular Biology, 2017, 1594, 165-177.	0.4	2
176	Astrocytic Process Plasticity and IKKÎ²/NF-Î¹B in Central Control of Blood Glucose, Blood Pressure, and Body Weight. Cell Metabolism, 2017, 25, 1091-1102.e4.	7.2	124
177	Diverse Requirements for Microglial Survival, Specification, and Function Revealed by Defined-Medium Cultures. Neuron, 2017, 94, 759-773.e8.	3.8	457
178	Reactive Astrocytes: Production, Function, and Therapeutic Potential. Immunity, 2017, 46, 957-967.	6.6	1,507
179	Genetic variants in the transcription regulatory region of MEGF10 are associated with autism in Chinese Han population. Scientific Reports, 2017, 7, 2292.	1.6	7
180	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. Nature Communications, 2017, 8, 28.	5.8	287

#	Article	IF	Citations
181	Brain repair from intrinsic cell sources. Progress in Brain Research, 2017, 230, 69-97.	0.9	42
182	Expression of MEGF10 in cholinergic and glutamatergic neurons. Neuroscience Letters, 2017, 653, 25-30.	1.0	6
183	Sleep Loss Promotes Astrocytic Phagocytosis and Microglial Activation in Mouse Cerebral Cortex. Journal of Neuroscience, 2017, 37, 5263-5273.	1.7	281
184	Astrocyteâ€mediated synapse remodeling in the pathological brain. Glia, 2017, 65, 1719-1727.	2.5	70
185	Dynamics of the Complement, Cytokine, and Chemokine Systems in the Regulation of Synaptic Function and Dysfunction Relevant to Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 57, 1123-1135.	1.2	23
186	Selective deletion of apolipoprotein E in astrocytes ameliorates the spatial learning and memory deficits in Alzheimer's disease (APP/PS1) mice by inhibiting TGF-Î²/Smad2/STAT3 signaling. Neurobiology of Aging, 2017, 54, 112-132.	1.5	38
187	Seducing astrocytes to the dark side. Cell Research, 2017, 27, 726-727.	5.7	24
188	An astroglial basis of major depressive disorder? An overview. Glia, 2017, 65, 1227-1250.	2.5	156
189	Myelin phagocytosis by astrocytes after myelin damage promotes lesion pathology. Brain, 2017, 140, 399-413.	3.7	159
190	Patient-specific models of microglia-mediated engulfment of synapses and neural progenitors. Molecular Psychiatry, 2017, 22, 170-177.	4.1	129
191	A neuroprotective astrocyte state is induced by neuronal signal EphB1 but fails in ALS models. Nature Communications, 2017, 8, 1164.	5.8	97
192	Cell Biology of Astrocyte-Synapse Interactions. Neuron, 2017, 96, 697-708.	3.8	704
193	Human Astrocytes Transfer Aggregated Alpha-Synuclein via Tunneling Nanotubes. Journal of Neuroscience, 2017, 37, 11835-11853.	1.7	196
194	Complement Protein C3 Suppresses Axon Growth and Promotes Neuron Loss. Scientific Reports, 2017, 7, 12904.	1.6	36
195	The diverse actions of astrocytes during synaptic development. Current Opinion in Neurobiology, 2017, 47, 38-43.	2.0	57
196	An evolving view of retinogeniculate transmission. Visual Neuroscience, 2017, 34, E013.	0.5	22
197	Errant gardeners: glial-cell-dependent synaptic pruning and neurodevelopmental disorders. Nature Reviews Neuroscience, 2017, 18, 658-670.	4.9	226
198	A Cross Talk between Neuronal Urokinase-type Plasminogen Activator (uPA) and Astrocytic uPA Receptor (uPAR) Promotes Astrocytic Activation and Synaptic Recovery in the Ischemic Brain. Journal of Neuroscience, 2017, 37, 10310-10322.	1.7	47

#	Article	IF	Citations
199	Lapsyn controls branch extension and positioning of astrocyte-like glia in the Drosophila optic lobe. Nature Communications, 2017, 8, 317.	5.8	25
200	ESCRT-III Membrane Trafficking Misregulation Contributes To Fragile X Syndrome Synaptic Defects. Scientific Reports, 2017, 7, 8683.	1.6	11
201	Schwann cells use TAM receptor-mediated phagocytosis in addition to autophagy to clear myelin in a mouse model of nerve injury. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8072-E8080.	3.3	155
202	Phosphatidylserine Is the Signal for TAM Receptors and Their Ligands. Trends in Biochemical Sciences, 2017, 42, 738-748.	3.7	86
203	An Efficient Platform for Astrocyte Differentiation from Human Induced Pluripotent Stem Cells. Stem Cell Reports, 2017, 9, 600-614.	2.3	298
204	Architecture, Function, and Assembly of the Mouse Visual System. Annual Review of Neuroscience, 2017, 40, 499-538.	5.0	220
205	Protein astrogliopathies in human neurodegenerative diseases and aging. Brain Pathology, 2017, 27, 675-690.	2.1	68
206	Human Astrocyte Maturation Captured in 3D Cerebral Cortical Spheroids Derived from Pluripotent Stem Cells. Neuron, 2017, 95, 779-790.e6.	3.8	436
207	Stratification of astrocytes in healthy and diseased brain. Brain Pathology, 2017, 27, 629-644.	2.1	180
208	Complement System in Neural Synapse Elimination in Development and Disease. Advances in Immunology, 2017, 135, 53-79.	1.1	193
209	Glial contributions to neuronal health and disease: new insights from Drosophila. Current Opinion in Neurobiology, 2017, 47, 162-167.	2.0	21
210	Aging Schwann cells: mechanisms, implications, future directions. Current Opinion in Neurobiology, 2017, 47, 203-208.	2.0	34
211	The secreted neurotrophin SpÃtzle 3 promotes glial morphogenesis and supports neuronal survival and function. Genes and Development, 2017, 31, 2023-2038.	2.7	66
212	Glial Draper Rescues AÎ² Toxicity in aDrosophilaModel of Alzheimer's Disease. Journal of Neuroscience, 2017, 37, 11881-11893.	1.7	56
213	Sembragiline: A Novel, Selective Monoamine Oxidase Type B Inhibitor for the Treatment of Alzheimerâ€™s Disease. Journal of Pharmacology and Experimental Therapeutics, 2017, 362, 413-423.	1.3	72
214	Long-term depression-associated signaling is required for an in vitro model of NMDA receptor-dependent synapse pruning. Neurobiology of Learning and Memory, 2017, 138, 39-53.	1.0	24
215	The interplay between neurons and glia in synapse development and plasticity. Current Opinion in Neurobiology, 2017, 42, 1-8.	2.0	138
216	Human astrocytes are distinct contributors to the complexity of synaptic function. Brain Research Bulletin, 2017, 129, 66-73.	1.4	32

#	Article	IF	Citations
217	Role of neuron-glia interactions in developmental synapse elimination. Brain Research Bulletin, 2017, 129, 74-81.	1.4	20
218	Frequency of nuclear mutant huntingtin inclusion formation in neurons and glia is cellâ€typeâ€specific. Glia, 2017, 65, 50-61.	2.5	84
219	Inflammation, Glutamate, and Glia: A Trio of Trouble in Mood Disorders. Neuropsychopharmacology, 2017, 42, 193-215.	2.8	343
220	Frequency-specific effects of repetitive magnetic stimulation on primary astrocyte cultures. Restorative Neurology and Neuroscience, 2017, 35, 557-569.	0.4	19
221	Mechanismen des Neuritischen Prunings. E-Neuroforum, 2017, 23, .	0.2	1
222	Mechanisms of Neurite Pruning. E-Neuroforum, 2017, 23, .	0.2	1
223	A novel Drosophila injury model reveals severed axons are cleared through a Draper/MMP-1 signaling cascade. ELife, 2017, 6, .	2.8	47
224	Is There Evidence for Myelin Modeling by Astrocytes in the Normal Adult Brain?. Frontiers in Neuroanatomy, 2017, 11, 75.	0.9	10
225	Effect of Neuroinflammation on Synaptic Organization and Function in the Developing Brain: Implications for Neurodevelopmental and Neurodegenerative Disorders. Frontiers in Cellular Neuroscience, 2017, 11, 190.	1.8	80
226	Roles of Glial Cells in Sculpting Inhibitory Synapses and Neural Circuits. Frontiers in Molecular Neuroscience, 2017, 10, 381.	1.4	34
227	Fear Conditioning Downregulates Rac1 Activity in the Basolateral Amygdala Astrocytes to Facilitate the Formation of Fear Memory. Frontiers in Molecular Neuroscience, 2017, 10, 396.	1.4	25
228	HIV-associated synaptic degeneration. Molecular Brain, 2017, 10, 40.	1.3	52
229	No preliminary evidence of differences in astrocyte density within the white matter of the dorsolateral prefrontal cortex in autism. Molecular Autism, 2017, 8, 64.	2.6	13
230	Alpha-synuclein oligomer-selective antibodies reduce intracellular accumulation and mitochondrial impairment in alpha-synuclein exposed astrocytes. Journal of Neuroinflammation, 2017, 14, 241.	3.1	35
231	Cell biology of spinal cord injury and repair. Journal of Clinical Investigation, 2017, 127, 3259-3270.	3.9	381
232	Glial Cell Development. , 2017, , .		2
233	Motor Circuit Dysfunction in Spinal Muscular Atrophy. , 2017, , 153-165.		4
234	The role of TAM family receptors and ligands in the nervous system: From development to pathobiology. , 2018, 188, 97-117.		57

#	Article	IF	Citations
235	Glucocorticoids, genes and brain function. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 82, 136-168.	2.5	111
236	Astrocytic JWA deletion exacerbates dopaminergic neurodegeneration by decreasing glutamate transporters in mice. Cell Death and Disease, 2018, 9, 352.	2.7	18
237	Five novel loci associated with antipsychotic treatment response in patients with schizophrenia: a genome-wide association study. Lancet Psychiatry,the, 2018, 5, 327-338.	3.7	110
238	Learning from Barres. Glia, 2018, 66, 1537-1541.	2.5	0
239	Cortical astrocytes prime the induction of spine plasticity and mirror image pain. Pain, 2018, 159, 1592-1606.	2.0	32
240	Layer-specific morphological and molecular differences in neocortical astrocytes and their dependence on neuronal layers. Nature Communications, 2018, 9, 1623.	5.8	203
241	A Novel In Vitro Live-imaging Assay of Astrocyte-mediated Phagocytosis Using pH Indicator-conjugated Synaptosomes. Journal of Visualized Experiments, 2018, , .	0.2	12
242	Normal aging induces A1-like astrocyte reactivity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1896-E1905.	3.3	879
243	Rethinking Phagocytes: Clues from the Retina and Testes. Trends in Cell Biology, 2018, 28, 317-327.	3.6	43
244	Functional and structural damage of neurons by innate immune mechanisms during neurodegeneration. Cell Death and Disease, 2018, 9, 120.	2.7	79
245	New roles of reactive astrocytes in the brain; an organizer of cerebral ischemia. Neurochemistry International, 2018, 119, 107-114.	1.9	49
246	Single-cell transcriptomics of the developing lateral geniculate nucleus reveals insights into circuit assembly and refinement. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1051-E1060.	3.3	66
247	Assembling a Cellular User Manual for the Brain. Journal of Neuroscience, 2018, 38, 3149-3153.	1.7	5
248	The Aging Astrocyte Transcriptome from Multiple Regions of the Mouse Brain. Cell Reports, 2018, 22, 269-285.	2.9	496
249	Glia: from â€˜just glueâ€™ to essential players in complex nervous systems: a comparative view from flies to mammals. Journal of Neurogenetics, 2018, 32, 78-91.	0.6	24
250	The AÎ² protofibril selective antibody mAb158 prevents accumulation of AÎ² in astrocytes and rescues neurons from AÎ²-induced cell death. Journal of Neuroinflammation, 2018, 15, 98.	3.1	44
251	Do patterns of synaptic pruning underlie psychoses, autism and ADHD?. BJ Psych Advances, 2018, 24, 212-217.	0.5	4
252	Spinal Cord Injury Scarring and Inflammation: Therapies Targeting Glial and Inflammatory Responses. Neurotherapeutics, 2018, 15, 541-553.	2.1	363

#	Article	IF	Citations
253	Microglia remodel synapses by presynaptic trogocytosis and spine head filopodia induction. Nature Communications, 2018, 9, 1228.	5.8	586
254	Alzheimer's Disease and Sleepâ€“Wake Disturbances: Amyloid, Astrocytes, and Animal Models. Journal of Neuroscience, 2018, 38, 2901-2910.	1.7	56
255	MerTK as a therapeutic target in glioblastoma. Neuro-Oncology, 2018, 20, 92-102.	0.6	62
256	Astrocytes in Memory Function: Pioneering Findings and Future Directions. Neuroscience, 2018, 370, 14-26.	1.1	60
257	Closing gaps in brain disease â€" from overlapping genetic architecture to common motifs of synapse dysfunction. Current Opinion in Neurobiology, 2018, 48, 45-51.	2.0	23
258	The roles of cortical astrocytes in chronic pain and other brain pathologies. Neuroscience Research, 2018, 126, 3-8.	1.0	24
259	Dynamism of an Astrocyte In Vivo: Perspectives on Identity and Function. Annual Review of Physiology, 2018, 80, 143-157.	5.6	44
260	Phagocytic clearance of presynaptic dystrophies by reactive astrocytes in Alzheimer's disease. Glia, 2018, 66, 637-653.	2.5	159
261	Role of the innate immune system in the neuropathological consequences induced by adolescent binge drinking. Journal of Neuroscience Research, 2018, 96, 765-780.	1.3	54
262	Regulation of mitochondrial dynamics in astrocytes: Mechanisms, consequences, and unknowns. Glia, 2018, 66, 1213-1234.	2.5	103
263	Astrocyte Autophagy Flux Protects Neurons Against Oxygen-Glucose Deprivation and Ischemic/Reperfusion Injury. Rejuvenation Research, 2018, 21, 405-415.	0.9	52
264	Neurophagy, the phagocytosis of live neurons and synapses by glia, contributes to brain development and disease. FEBS Journal, 2018, 285, 3566-3575.	2.2	133
265	Coordinated Plasticity of Synapses and Astrocytes Underlies Practice-Driven Functional Vicariation in Peri-Infarct Motor Cortex. Journal of Neuroscience, 2018, 38, 93-107.	1.7	36
266	Gene network underlying the glial regenerative response to central nervous system injury. Developmental Dynamics, 2018, 247, 85-93.	0.8	26
267	Phagocytic Roles of Glial Cells in Healthy and Diseased Brains. Biomolecules and Therapeutics, 2018, 26, 350-357.	1.1	89
268	Understanding the Relevance of Aging-Related Tau Astrogliopathy (ARTAG). Neuroglia (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.3	7
269	Microglia: Immune Regulators of Neurodevelopment. Frontiers in Immunology, 2018, 9, 2576.	2.2	118
270	Engulfing cells promote neuronal regeneration and remove neuronal debris through distinct biochemical functions of CED-1. Nature Communications, 2018, 9, 4842.	5.8	15

#	Article	IF	Citations
271	Purinergic-Dependent Glial Regulation of Synaptic Plasticity of Competing Terminals and Synapse Elimination at the Neuromuscular Junction. Cell Reports, 2018, 25, 2070-2082.e6.	2.9	25
272	Palm Fruit Bioactives modulate human astrocyte activity in vitro altering the cytokine secretome reducing levels of TNFÎ±, RANTES and IP-10. Scientific Reports, 2018, 8, 16423.	1.6	17
273	Contribution of Neurons and Glial Cells to Complement-Mediated Synapse Removal during Development, Aging and in Alzheimerâ€™s Disease. Mediators of Inflammation, 2018, 2018, 1-12.	1.4	54
274	Identification of phagocytosis regulators using magnetic genome-wide CRISPR screens. Nature Genetics, 2018, 50, 1716-1727.	9.4	135
275	Versatile control of synaptic circuits by astrocytes: where, when and how?. Nature Reviews Neuroscience, 2018, 19, 729-743.	4.9	117
276	Phenotypic heterogeneity of astrocytes in motor neuron disease. Clinical and Experimental Neuroimmunology, 2018, 9, 225-234.	0.5	29
277	Molecular Communication of a Dying Neuron in Stroke. International Journal of Molecular Sciences, 2018, 19, 2834.	1.8	109
278	Cell-Autonomous Regulation of Astrocyte Activation by the Circadian Clock Protein BMAL1. Cell Reports, 2018, 25, 1-9.e5.	2.9	100
279	Augmentation of Human Monocyte Responses to Lipopolysaccharide by the Protein S and Mer/Tyro3 Receptor Tyrosine Kinase Axis. Journal of Immunology, 2018, 201, 2602-2611.	0.4	15
280	Microglial dopamine receptor elimination defines sex-specific nucleus accumbens development and social behavior in adolescent rats. Nature Communications, 2018, 9, 3769.	5.8	182
281	CD47 Protects Synapses from Excess Microglia-Mediated Pruning during Development. Neuron, 2018, 100, 120-134.e6.	3.8	304
282	Phosphatidylserine is a marker for axonal debris engulfment but its exposure can be decoupled from degeneration. Cell Death and Disease, 2018, 9, 1116.	2.7	36
283	Molecular mechanisms that change synapse number. Journal of Neurogenetics, 2018, 32, 155-170.	0.6	8
284	The Dual Role of TAM Receptors in Autoimmune Diseases and Cancer: An Overview. Cells, 2018, 7, 166.	1.8	47
285	Assembly and repair of eye-to-brain connections. Current Opinion in Neurobiology, 2018, 53, 198-209.	2.0	20
286	Important Shapeshifter: Mechanisms Allowing Astrocytes to Respond to the Changing Nervous System During Development, Injury and Disease. Frontiers in Cellular Neuroscience, 2018, 12, 261.	1.8	149
287	Microglia Play an Active Role in Obesity-Associated Cognitive Decline. Journal of Neuroscience, 2018, 38, 8889-8904.	1.7	164
288	Glial Activation and Central Synapse Loss, but Not Motoneuron Degeneration, Are Prevented by the Sigma-1 Receptor Agonist PRE-084 in the Smn2B/â^' Mouse Model of Spinal Muscular Atrophy. Journal of Neuropathology and Experimental Neurology, 2018, 77, 577-597.	0.9	30

#	Article	IF	Citations
289	Functional Consequences of Synapse Remodeling Following Astrocyte-Specific Regulation of Ephrin-B1 in the Adult Hippocampus. Journal of Neuroscience, 2018, 38, 5710-5726.	1.7	58
290	Microglia and macrophages in brain homeostasis and disease. Nature Reviews Immunology, 2018, 18, 225-242.	10.6	1,263
291	Diverse Inflammatory Response After Cerebral Microbleeds Includes Coordinated Microglial Migration and Proliferation. Stroke, 2018, 49, 1719-1726.	1.0	53
292	Specialized functions of resident macrophages in brain and heart. Journal of Leukocyte Biology, 2018, 104, 743-756.	1.5	24
293	(Micro)Glia as Effectors of Cortical Volume Loss in Schizophrenia. Schizophrenia Bulletin, 2018, 44, 948-957.	2.3	21
294	Connecting the nervous and the immune systems in evolution. Communications Biology, 2018, 1, 64.	2.0	20
295	Neuronal integrity and complement control synaptic material clearance by microglia after CNS injury. Journal of Experimental Medicine, 2018, 215, 1789-1801.	4.2	85
296	Formation of retinal direction-selective circuitry initiated by starburst amacrine cell homotypic contact. ELife, 2018, 7, .	2.8	44
297	MEGF10, a Glioma Survival-Associated Molecular Signature, Predicts IDH Mutation Status. Disease Markers, 2018, 2018, 1-8.	0.6	9
298	Early Activation of Astrocytes does not Affect Amyloid Plaque Load in an Animal Model of Alzheimerâ€™s Disease. Neuroscience Bulletin, 2018, 34, 912-920.	1.5	11
299	Physiology of Astroglia. Physiological Reviews, 2018, 98, 239-389.	13.1	1,044
300	Astrocytes, Microglia, and Parkinsonâ€™s Disease. Experimental Neurobiology, 2018, 27, 77-87.	0.7	108
301	Sex Steroids, Adult Neurogenesis, and Inflammation in CNS Homeostasis, Degeneration, and Repair. Frontiers in Endocrinology, 2018, 9, 205.	1.5	28
302	Microglia and Beyond: Innate Immune Cells As Regulators of Brain Development and Behavioral Function. Frontiers in Immunology, 2018, 9, 698.	2.2	359
303	A Brief History of Microglial Ultrastructure: Distinctive Features, Phenotypes, and Functions Discovered Over the Past 60â€‰Years by Electron Microscopy. Frontiers in Immunology, 2018, 9, 803.	2.2	64
304	Deciphering the Astrocyte Reaction in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2018, 10, 114.	1.7	202
305	Structural Gray Matter Changes in the Hippocampus and the Primary Motor Cortex on An-Hour-to-One- Day Scale Can Predict Arm-Reaching Performance Improvement. Frontiers in Human Neuroscience, 2018, 12, 209.	1.0	15
306	Involvement of aquaporinâ€4 in lamininâ€enhanced process formation of mouse astrocytes in 2D culture: Roles of dystroglycan and Î±â€syntrophin in aquaporinâ€4 expression. Journal of Neurochemistry, 2018, 147, 495-513.	2.1	22

#	Article	IF	Citations
307	Establishment of a conditionally immortalized mouse optic nerve astrocyte line. Experimental Eye Research, 2018, 176, 188-195.	1.2	11
308	Neurodevelopment: Inflammation Matters. Advances in Neurotoxicology, 2018, , 227-264.	0.7	6
309	Specific deletion connexin43 in astrocyte ameliorates cognitive dysfunction in APP/PS1 mice. Life Sciences, 2018, 208, 175-191.	2.0	44
310	Interplay between innate immunity and Alzheimer disease: APOE and TREM2 in the spotlight. Nature Reviews Immunology, 2018, 18, 759-772.	10.6	394
311	Glial Cell Expansion Coincides with Neural Circuit Formation in the Developing Auditory Brainstem. Developmental Neurobiology, 2018, 78, 1097-1116.	1.5	10
312	Differentiation of Glial Cells From hiPSCs: Potential Applications in Neurological Diseases and Cell Replacement Therapy. Frontiers in Cellular Neuroscience, 2018, 12, 239.	1.8	38
313	Targeting Astrocytes With Viral Gene Therapy for Alzheimerâ€™s Disease. , 2018, , 97-138.		0
314	Decreased number and increased volume with mitochondrial enlargement of cerebellar synaptic terminals in a mouse model of chronic demyelination. Medical Molecular Morphology, 2018, 51, 208-216.	0.4	7
315	Ectopic positioning of Bergmann glia and impaired cerebellar wiring in Mlc1â€overâ€expressing mice. Journal of Neurochemistry, 2018, 147, 344-360.	2.1	2
316	The Neuro-Immune-Regulators (NIREGs) Promote Tissue Resilience; a Vital Component of the Hostâ€™s Defense Strategy against Neuroinflammation. Journal of NeuroImmune Pharmacology, 2018, 13, 309-329.	2.1	17
317	Non-cell Autonomous Degeneration. , 2018, , 415-440.		1
318	Purification of cells from fresh human brain tissue: primary human glial cells. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 150, 273-283.	1.0	6
319	Mechanisms of Cortical Differentiation. International Review of Cell and Molecular Biology, 2018, 336, 223-320.	1.6	24
320	Astrocyte activation and reactive gliosisâ€”A new target in stroke?. Neuroscience Letters, 2019, 689, 45-55.	1.0	150
321	Questions and (some) answers on reactive astrocytes. Glia, 2019, 67, 2221-2247.	2.5	185
322	Neuroinflammatory astrocytes generated from cord blood-derived human induced pluripotent stem cells. Journal of Neuroinflammation, 2019, 16, 164.	3.1	14
323	Sonic hedgehog signaling in astrocytes mediates cell type-specific synaptic organization. ELife, 2019, 8, .	2.8	56
324	Do Astrocytes Play a Role in Intellectual Disabilities?. Trends in Neurosciences, 2019, 42, 518-527.	4.2	34

#	Article	IF	Citations
325	Neuron-Glia Signaling in Synapse Elimination. Annual Review of Neuroscience, 2019, 42, 107-127.	5.0	224
326	A 2A Râ€induced transcriptional deregulation in astrocytes: An in vitro study. Glia, 2019, 67, 2329-2342.	2.5	28
327	TREM2 is required for microglial instruction of astrocytic synaptic engulfment in neurodevelopment. Glia, 2019, 67, 1873-1892.	2.5	54
328	Intersection of pathological tau and microglia at the synapse. Acta Neuropathologica Communications, 2019, 7, 109.	2.4	119
329	TAM Receptor Pathways at the Crossroads of Neuroinflammation and Neurodegeneration. Disease Markers, 2019, 2019, 1-13.	0.6	46
330	Neurogenetic basis for circadian regulation of metabolism by the hypothalamus. Genes and Development, 2019, 33, 1136-1158.	2.7	39
331	Effect of propionic acid on the morphology of the amygdala in adolescent male rats and their behavior. Micron, 2019, 125, 102732.	1.1	28
332	Emerging Roles of Complement in Psychiatric Disorders. Frontiers in Psychiatry, 2019, 10, 573.	1.3	63
333	Microglia in Brain Development, Homeostasis, and Neurodegeneration. Annual Review of Genetics, 2019, 53, 263-288.	3.2	121
334	Editorial: The Role of Glia in Alzheimer's Disease. Frontiers in Neurology, 2018, 9, 1161.	1.1	6
335	Modern approaches to investigating nonâ€neuronal aspects of Alzheimer's disease. FASEB Journal, 2019, 33, 1528-1535.	0.2	16
336	Microglia-mediated synaptic pruning is impaired in sleep-deprived adolescent mice. Neurobiology of Disease, 2019, 130, 104517.	2.1	57
337	Four-repeat tauopathies. Progress in Neurobiology, 2019, 180, 101644.	2.8	141
338	Dysregulated Glial Differentiation in Schizophrenia May Be Relieved by Suppression of SMAD4- and REST-Dependent Signaling. Cell Reports, 2019, 27, 3832-3843.e6.	2.9	32
339	Exercise induces regionâ€specific remodeling of astrocyte morphology and reactive astrocyte gene expression patterns in male mice. Journal of Neuroscience Research, 2019, 97, 1081-1094.	1.3	30
340	The immune system and psychiatric disease: a basic science perspective. Clinical and Experimental Immunology, 2019, 197, 294-307.	1.1	86
341	Regionally specified human pluripotent stem cell-derived astrocytes exhibit different molecular signatures and functional properties. Development (Cambridge), 2019, 146, .	1.2	48
342	Altered cortical Cytoarchitecture in the Fmr1 knockout mouse. Molecular Brain, 2019, 12, 56.	1.3	30

#	Article	IF	Citations
343	The role of GFAP and vimentin in learning and memory. Biological Chemistry, 2019, 400, 1147-1156.	1.2	40
344	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. Antioxidants, 2019, 8, 121.	2.2	107
345	Dysfunction of astrocytic connexins 30 and 43 in the medial prefrontal cortex and hippocampus mediates depressive-like behaviours. Behavioural Brain Research, 2019, 372, 111950.	1.2	34
346	Living on the Edge: Efferocytosis at the Interface of Homeostasis and Pathology. Immunity, 2019, 50, 1149-1162.	6.6	223
347	The role of APOE4 in Alzheimerâ€™s disease: strategies for future therapeutic interventions. Neuronal Signaling, 2019, 3, NS20180203.	1.7	31
348	Osteopontin and its spatiotemporal relationship with glial cells in the striatum of rats treated with mitochondrial toxin 3-nitropropionic acid: possible involvement in phagocytosis. Journal of Neuroinflammation, 2019, 16, 99.	3.1	22
349	Astrocyte alterations in neurodegenerative pathologies and their modeling in human induced pluripotent stem cell platforms. Cellular and Molecular Life Sciences, 2019, 76, 2739-2760.	2.4	88
350	Vacciniaâ€related kinase 2 plays a critical role in microgliaâ€mediated synapse elimination during neurodevelopment. Glia, 2019, 67, 1667-1679.	2.5	12
351	Astrocytes in neuroendocrine systems: An overview. Journal of Neuroendocrinology, 2019, 31, e12726.	1.2	23
352	The involvement of astrocytes in earlyâ€life adversity induced programming of the brain. Glia, 2019, 67, 1637-1653.	2.5	66
353	Adult Neurogenesis, Glia, and the Extracellular Matrix. Cell Stem Cell, 2019, 24, 690-705.	5.2	142
354	Astrocyteâ€toâ€astrocyte contact and a positive feedback loop of growth factor signaling regulate astrocyte maturation. Glia, 2019, 67, 1571-1597.	2.5	58
355	Voices from the dead: The complex vocabulary and intricate grammar of dead cells. Advances in Protein Chemistry and Structural Biology, 2019, 116, 1-90.	1.0	3
356	Phagocytosis in the Brain: Homeostasis and Disease. Frontiers in Immunology, 2019, 10, 790.	2.2	206
357	The influence of neuroinflammation in Autism Spectrum Disorder. Brain, Behavior, and Immunity, 2019, 79, 75-90.	2.0	214
358	Astrogliogenesis in human fetal brain: complex spatiotemporal immunoreactivity patterns of <scp>GFAP</scp>, S100, <scp>AQP</scp>4 and <scp>YKL</scp>â€40. Journal of Anatomy, 2019, 235, 590-615.	0.9	37
359	Developmental origins and emerging therapeutic opportunities for childhood cancer. Nature Medicine, 2019, 25, 367-376.	15.2	112
360	Spatiotemporal distribution of glia in and around the developing mouse optic tract. Journal of Comparative Neurology, 2019, 527, 508-521.	0.9	6

#	Article	IF	Citations
361	Glial phagocytic clearance in Parkinsonâ€™s disease. Molecular Neurodegeneration, 2019, 14, 16.	4.4	104
362	The Spinal Transcriptome after Cortical Stroke: In Search of Molecular Factors Regulating Spontaneous Recovery in the Spinal Cord. Journal of Neuroscience, 2019, 39, 4714-4726.	1.7	26
363	Astrocyte Heterogeneity: Impact to Brain Aging and Disease. Frontiers in Aging Neuroscience, 2019, 11, 59.	1.7	256
364	General anesthetic exposure in adolescent rats causes persistent maladaptations in cognitive and affective behaviors and neuroplasticity. Neuropharmacology, 2019, 150, 153-163.	2.0	19
365	Dying Neurons Utilize Innate Immune Signaling to Prime Glia for Phagocytosis during Development. Developmental Cell, 2019, 48, 506-522.e6.	3.1	43
366	The impact of Megf10/Drpr gainâ€ofâ€function on muscle development inÂDrosophila. FEBS Letters, 2019, 593, 680-696.	1.3	5
367	Glial Contribution to Excitatory and Inhibitory Synapse Loss in Neurodegeneration. Frontiers in Cellular Neuroscience, 2019, 13, 63.	1.8	99
368	Glial Control of Synapse Number in Healthy and Diseased Brain. Frontiers in Cellular Neuroscience, 2019, 13, 42.	1.8	67
369	Synaptic Elimination in Neurological Disorders. Current Neuropharmacology, 2019, 17, 1071-1095.	1.4	63
370	Deep proteome profiling of the hippocampus in the 5XFAD mouse model reveals biological process alterations and a novel biomarker of Alzheimerâ€™s disease. Experimental and Molecular Medicine, 2019, 51, 1-17.	3.2	56
371	TAM receptors, Phosphatidylserine, inflammation, and Cancer. Cell Communication and Signaling, 2019, 17, 156.	2.7	60
372	From Tumor Metastasis towards Cerebral Ischemiaâ€”Extracellular Vesicles as a General Concept of Intercellular Communication Processes. International Journal of Molecular Sciences, 2019, 20, 5995.	1.8	4
373	Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. Cell, 2019, 179, 1483-1498.e22.	13.5	120
374	Activation of both transforming growth factor-Î² and bone morphogenetic protein signalling pathways upon traumatic brain injury restrains pro-inflammatory and boosts tissue reparatory responses of reactive astrocytes and microglia. Brain Communications, 2019, 1, fcz028.	1.5	26
375	The Neurotropic Parasite Toxoplasma gondii Induces Astrocyte Polarization Through NFÎºB Pathway. Frontiers in Medicine, 2019, 6, 267.	1.2	12
376	Developmental Heterogeneity of Microglia and Brain Myeloid Cells Revealed by Deep Single-Cell RNA Sequencing. Neuron, 2019, 101, 207-223.e10.	3.8	695
377	Region-Specific Differences in Morphometric Features and Synaptic Colocalization of Astrocytes During Development. Neuroscience, 2019, 400, 98-109.	1.1	22
378	Stroke and the neurovascular unit: glial cells, sex differences, and hypertension. American Journal of Physiology - Cell Physiology, 2019, 316, C325-C339.	2.1	32

#	Article	IF	Citations
379	Deficiency of Î±1,6-fucosyltransferase promotes neuroinflammation by increasing the sensitivity of glial cells to inflammatory mediators. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 598-608.	1.1	22
380	Astrocytes: Heterogeneous and Dynamic Phenotypes in Neurodegeneration and Innate Immunity. Neuroscientist, 2019, 25, 455-474.	2.6	51
381	Astrocytes. Methods in Molecular Biology, 2019, , .	0.4	1
382	The Astrocyteâ€“Neuron Interface: An Overview on Molecular and Cellular Dynamics Controlling Formation and Maintenance of the Tripartite Synapse. Methods in Molecular Biology, 2019, 1938, 3-18.	0.4	20
383	In Vitro Engulfment Assay to Measure Phagocytic Activity of Astrocytes Using Synaptosomes. Methods in Molecular Biology, 2019, 1938, 155-168.	0.4	2
384	Isolation and Culture of Astrocytes from Postnatal and Adult Mouse Brains. Methods in Molecular Biology, 2019, 1938, 37-47.	0.4	10
385	Beyond the neuronâ€“cellular interactions early in Alzheimer disease pathogenesis. Nature Reviews Neuroscience, 2019, 20, 94-108.	4.9	237
386	Astrocytes and microglia: Models and tools. Journal of Experimental Medicine, 2019, 216, 71-83.	4.2	103
387	Methotrexate Chemotherapy Induces Persistent Tri-glial Dysregulation that Underlies Chemotherapy-Related Cognitive Impairment. Cell, 2019, 176, 43-55.e13.	13.5	222
388	Immune cells and CNS physiology: Microglia and beyond. Journal of Experimental Medicine, 2019, 216, 60-70.	4.2	165
389	Regulation of Astrocyte Functions in Multiple Sclerosis. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a029009.	2.9	69
390	Dendritic Spine Elimination: Molecular Mechanisms and Implications. Neuroscientist, 2019, 25, 27-47.	2.6	51
391	Circadian regulation of astrocyte function: implications for Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2020, 77, 1049-1058.	2.4	32
392	Icariside II inhibits lipopolysaccharide-induced inflammation and amyloid production in rat astrocytes by regulating IKK/IÎºB/NF-ÎºB/BACE1 signaling pathway. Acta Pharmacologica Sinica, 2020, 41, 154-162.	2.8	37
393	Plasma levels of protein C pathway proteins and brain magnetic resonance imaging volumes in multiple sclerosis. European Journal of Neurology, 2020, 27, 235-243.	1.7	9
394	A characterization of Gaucher iPS-derived astrocytes: Potential implications for Parkinson's disease. Neurobiology of Disease, 2020, 134, 104647.	2.1	50
395	Antineuroinflammatory therapy: potential treatment for autism spectrum disorder by inhibiting glial activation and restoring synaptic function. CNS Spectrums, 2020, 25, 493-501.	0.7	20
396	The astrocyte network in the ventral nerve cord neuropil of the Drosophila thirdâ€instar larva. Journal of Comparative Neurology, 2020, 528, 1683-1703.	0.9	0

#	Article	IF	Citations
397	Astrocyte Unfolded Protein Response Induces a Specific Reactivity State that Causes Non-Cell-Autonomous Neuronal Degeneration. Neuron, 2020, 105, 855-866.e5.	3.8	143
398	Targeted Complement Inhibition at Synapses Prevents Microglial Synaptic Engulfment and Synapse Loss in Demyelinating Disease. Immunity, 2020, 52, 167-182.e7.	6.6	244
399	Organoid and Assembloid Technologies for Investigating Cellular Crosstalk in Human Brain Development and Disease. Trends in Cell Biology, 2020, 30, 133-143.	3.6	148
400	Ablation of reactive astrocytes exacerbates disease pathology in a model of Alzheimer's disease. Glia, 2020, 68, 1017-1030.	2.5	53
401	Astrocyte control of glutamatergic activity: Downstream effects on serotonergic function and emotional behavior. Neuropharmacology, 2020, 166, 107914.	2.0	47
402	Comparison of RNA isolation procedures for analysis of adult murine brain and spinal cord astrocytes. Journal of Neuroscience Methods, 2020, 333, 108545.	1.3	2
403	Complement-Mediated Microglial Phagocytosis and Pathological Changes in the Development and Degeneration of the Visual System. Frontiers in Immunology, 2020, 11, 566892.	2.2	19
404	Astrocytes in Tauopathies. Frontiers in Neurology, 2020, 11, 572850.	1.1	39
405	Microglia and Astrocytes in Disease: Dynamic Duo or Partners in Crime?. Trends in Immunology, 2020, 41, 820-835.	2.9	146
406	Astrocytic phagocytosis is a compensatory mechanism for microglial dysfunction. EMBO Journal, 2020, 39, e104464.	3.5	105
407	When glia meet induced pluripotent stem cells (iPSCs). Molecular and Cellular Neurosciences, 2020, 109, 103565.	1.0	15
408	The Effects of Immune System Modulation on Prion Disease Susceptibility and Pathogenesis. International Journal of Molecular Sciences, 2020, 21, 7299.	1.8	12
409	Early phosphoproteomic changes in the retina following optic nerve crush. Experimental Neurology, 2020, 334, 113481.	2.0	5
410	Non-pathological roles of microglial TREM2/DAP12: TREM2/DAP12 regulates the physiological functions of microglia from development to aging. Neurochemistry International, 2020, 141, 104878.	1.9	17
411	Motoneuron deafferentation and gliosis occur in association with neuromuscular regressive changes during ageing in mice. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1628-1660.	2.9	21
412	The role of glia in protein aggregation. Neurobiology of Disease, 2020, 143, 105015.	2.1	28
413	Crosstalk Between Astrocytes and Microglia: An Overview. Frontiers in Immunology, 2020, 11, 1416.	2.2	224
414	Differential Effect of Repeated Lipopolysaccharide Treatment and Aging on Hippocampal Function and Biomarkers of Hippocampal Senescence. Molecular Neurobiology, 2020, 57, 4045-4059.	1.9	7

#	Article	IF	Citations
415	P.749 Astrocytes prime a synaptic pruning in the prefrontal cortex upon antidepressant treatment. European Neuropsychopharmacology, 2020, 40, S423-S424.	0.3	0
416	An Overview on the Differential Interplay Among Neuronsâ€“Astrocytesâ€“Microglia in CA1 and CA3 Hippocampus in Hypoxia/Ischemia. Frontiers in Cellular Neuroscience, 2020, 14, 585833.	1.8	48
417	TAM receptors: A phosphatidylserine receptor family and its implications in viral infections. International Review of Cell and Molecular Biology, 2020, 357, 81-122.	1.6	10
418	Functional recovery in multiple sclerosis patients undergoing rehabilitation programs is associated with plasma levels of hemostasis inhibitors. Multiple Sclerosis and Related Disorders, 2020, 44, 102319.	0.9	7
419	Glia in Neurodegeneration: The Housekeeper, the Defender and the Perpetrator. International Journal of Molecular Sciences, 2020, 21, 9188.	1.8	31
420	Astroglia-specific contributions to the regulation of synapses, cognition and behaviour. Neuroscience and Biobehavioral Reviews, 2020, 118, 331-357.	2.9	70
421	Inter and Intracellular mitochondrial trafficking in health and disease. Ageing Research Reviews, 2020, 62, 101128.	5.0	71
422	Silent Synapse-Based Mechanisms of Critical Period Plasticity. Frontiers in Cellular Neuroscience, 2020, 14, 213.	1.8	17
423	Neuroimmune System as a Driving Force for Plasticity Following CNS Injury. Frontiers in Cellular Neuroscience, 2020, 14, 187.	1.8	25
424	Understanding microglial diversity and implications for neuronal function in health and disease. Developmental Neurobiology, 2021, 81, 507-523.	1.5	29
425	Astrocytic Ephrin-B1 Controls Excitatory-Inhibitory Balance in Developing Hippocampus. Journal of Neuroscience, 2020, 40, 6854-6871.	1.7	22
426	The Role of Astrocytes in CNS Inflammation. Trends in Immunology, 2020, 41, 805-819.	2.9	266
427	Maternal immune activation alters visual acuity and retinogeniculate axon pruning in offspring mice. Brain, Behavior, and Immunity, 2020, 89, 518-523.	2.0	2
428	Microglia dynamics in adolescent traumatic brain injury. Journal of Neuroinflammation, 2020, 17, 326.	3.1	30
429	Sugarcane (Saccharum officinarum L.) Top Extract Ameliorates Cognitive Decline in Senescence Model SAMP8 Mice: Modulation of Neural Development and Energy Metabolism. Frontiers in Cell and Developmental Biology, 2020, 8, 573487.	1.8	7
430	Cell-Autonomous Immunity and The Pathogen-Mediated Evolution of Humans: Or How Our Prokaryotic and Single-Celled Origins Affect The Human Evolutionary Story. Quarterly Review of Biology, 2020, 95, 215-246.	0.0	5
431	Calcium Dynamics in Astrocytes During Cell Injury. Frontiers in Bioengineering and Biotechnology, 2020, 8, 912.	2.0	16
432	Human Pluripotent Stem Cell-Derived Neural Cells as a Relevant Platform for Drug Screening in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 6867.	1.8	26

#	Article	IF	Citations
433	Tau-Mediated Dysregulation of Neuroplasticity and Glial Plasticity. Frontiers in Molecular Neuroscience, 2020, 13, 151.	1.4	11
434	Summary-data-based Mendelian randomization prioritizes potential druggable targets for multiple sclerosis. Brain Communications, 2020, 2, fcaa119.	1.5	16
435	Independent glial subtypes delay development and extend healthy lifespan upon reduced insulin-PI3K signalling. BMC Biology, 2020, 18, 124.	1.7	9
436	A splicing isoform of GPR56 mediates microglial synaptic refinement via phosphatidylserine binding. EMBO Journal, 2020, 39, e104136.	3.5	103
437	Post-translational modifications of the ligands: Requirement for TAM receptor activation. International Review of Cell and Molecular Biology, 2020, 357, 35-55.	1.6	1
438	Space-Dependent Gliaâ€“Neuron Interplay in the Hippocampus of Transgenic Models of Î²-Amyloid Deposition. International Journal of Molecular Sciences, 2020, 21, 9441.	1.8	9
439	C. elegans MAGU-2/Mpp5 homolog regulates epidermal phagocytosis and synapse density. Journal of Neurogenetics, 2020, 34, 298-306.	0.6	4
440	Microglial and Astrocytic Function in Physiological and Pathological Conditions: Estrogenic Modulation. International Journal of Molecular Sciences, 2020, 21, 3219.	1.8	34
441	Glial cells as therapeutic targets for smoking cessation. Neuropharmacology, 2020, 175, 108157.	2.0	7
442	MERTK in cancer therapy: Targeting the receptor tyrosine kinase in tumor cells and the immune system. , 2020, 213, 107577.		43
443	Effect of single-walled carbon nanotubes on the structural, physical, and mechanical properties of rat glial cell surface. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	5
444	A Role of Low-Density Lipoprotein Receptor-Related Protein 4 (LRP4) in Astrocytic AÎ² Clearance. Journal of Neuroscience, 2020, 40, 5347-5361.	1.7	35
445	Postmortem Studies of Neuroinflammation in Autism Spectrum Disorder: a Systematic Review. Molecular Neurobiology, 2020, 57, 3424-3438.	1.9	31
446	Engulfment Genes Promote Neuronal Regeneration in Caenorhabditis Elegans : Two Divergent But Complementary Views. BioEssays, 2020, 42, 1900185.	1.2	1
447	Pneumonia-induced endothelial amyloids reduce dendritic spine density in brain neurons. Scientific Reports, 2020, 10, 9327.	1.6	10
449	Expedition into Taurine Biology: Structural Insights and Therapeutic Perspective of Taurine in Neurodegenerative Diseases. Biomolecules, 2020, 10, 863.	1.8	18
450	Overexpression of H3K36 methyltransferase NSD in glial cells affects brain development in Drosophila. Glia, 2020, 68, 2503-2516.	2.5	10
451	GDF15 promotes simultaneous astrocyte remodeling and tight junction strengthening at the bloodâ€“brain barrier. Journal of Neuroscience Research, 2020, 98, 1433-1456.	1.3	16

#	Article	IF	Citations
452	Glial smog: Interplay between air pollution and astrocyte-microglia interactions. Neurochemistry International, 2020, 136, 104715.	1.9	24
453	Complement-dependent synapse loss and microgliosis in a mouse model of multiple sclerosis. Brain, Behavior, and Immunity, 2020, 87, 739-750.	2.0	77
454	Surface Functionalization of Pegylated Gold Nanoparticles with Antioxidants Suppresses Nanoparticle-Induced Oxidative Stress and Neurotoxicity. Chemical Research in Toxicology, 2020, 33, 1195-1205.	1.7	20
455	Age-Dependent Heterogeneity of Murine Olfactory Bulb Astrocytes. Frontiers in Aging Neuroscience, 2020, 12, 172.	1.7	12
456	Mechanisms of astrocyte development. , 2020, , 807-827.		8
457	Astrocyteâ€“neuron interactions in synaptic development. , 2020, , 829-846.		0
458	Astrocyticâ€neuronal crosstalk gets jammed: Alternative perspectives on the onset of neuropsychiatric disorders. European Journal of Neuroscience, 2021, 54, 5717-5729.	1.2	10
459	The contribution of glial cells to Huntington's disease pathogenesis. Neurobiology of Disease, 2020, 143, 104963.	2.1	56
460	Astrocytes and microglia play orchestrated roles and respect phagocytic territories during neuronal corpse removal in vivo. Science Advances, 2020, 6, eaba3239.	4.7	176
461	Glia: victims or villains of the aging brain?. Neurobiology of Disease, 2020, 143, 105008.	2.1	56
462	Glial remodeling enhances short-term memory performance in Wistar rats. Journal of Neuroinflammation, 2020, 17, 52.	3.1	33
463	The Neuroprotective Role of Reactive Astrocytes after Central Nervous System Injury. Journal of Neurotrauma, 2020, 37, 681-691.	1.7	27
464	The cell biology of the retinal pigment epithelium. Progress in Retinal and Eye Research, 2020, 78, 100846.	7.3	199
465	Microglial responses after phagocytosis: Escherichia <scp>coli</scp> bioparticles, but not cell debris or amyloid beta, induce matrix metalloproteinaseâ€9 secretion in cultured rat primary microglial cells. Glia, 2020, 68, 1435-1444.	2.5	9
466	The synthetic steroid tibolone exerts sex-specific regulation of astrocyte phagocytosis under basal conditions and after an inflammatory challenge. Journal of Neuroinflammation, 2020, 17, 37.	3.1	21
467	Activity Shapes Neural Circuit Form and Function: A Historical Perspective. Journal of Neuroscience, 2020, 40, 944-954.	1.7	62
468	Cell-Type-Specific Analysis of Molecular Pathology in Autism Identifies Common Genes and Pathways Affected Across Neocortical Regions. Molecular Neurobiology, 2020, 57, 2279-2289.	1.9	20
469	Satellite glial cells modulate cholinergic transmission between sympathetic neurons. PLoS ONE, 2020, 15, e0218643.	1.1	29

#	Article	IF	Citations
470	Astrocytes and Microglia: In Sickness and in Health. Trends in Neurosciences, 2020, 43, 144-154.	4.2	279
471	TBHQ improved neurological recovery after traumatic brain injury by inhibiting the overactivation of astrocytes. Brain Research, 2020, 1739, 146818.	1.1	21
472	Uptake of cell debris and enhanced expression of inflammatory factors in response to dead cells in corneal fibroblast cells. Experimental Eye Research, 2020, 194, 108017.	1.2	8
473	Astroglia and Tau: New Perspectives. Frontiers in Aging Neuroscience, 2020, 12, 96.	1.7	73
474	Generating Cell Type-Specific Protein Signatures from Non-symptomatic and Diseased Tissues. Annals of Biomedical Engineering, 2020, 48, 2218-2232.	1.3	1
475	Astrocytic Ephrin-B1 Controls Synapse Formation in the Hippocampus During Learning and Memory. Frontiers in Synaptic Neuroscience, 2020, 12, 10.	1.3	23
476	Macroglial diversity: white and grey areas and relevance to remyelination. Cellular and Molecular Life Sciences, 2021, 78, 143-171.	2.4	13
477	Exogenous Adenosine Antagonizes Excitatory Amino Acid Toxicity in Primary Astrocytes. Cellular and Molecular Neurobiology, 2021, 41, 687-704.	1.7	9
478	Neurotoxicity of metalâ€¢containing nanoparticles and implications in glial cells. Journal of Applied Toxicology, 2021, 41, 65-81.	1.4	41
479	Identification and Characterisation of cis-Regulatory Elements Upstream of the Human Receptor Tyrosine Kinase Gene MERTK. Brain Plasticity, 2021, 7, 3-16.	1.9	3
480	Emerging role of S100B protein implication in Parkinsonâ€™s disease pathogenesis. Cellular and Molecular Life Sciences, 2021, 78, 1445-1453.	2.4	27
481	Adult and endemic neurogenesis in the vestibular nuclei after unilateral vestibular neurectomy. Progress in Neurobiology, 2021, 196, 101899.	2.8	18
482	Altered astrocytic function in experimental neuroinflammation and multiple sclerosis. Glia, 2021, 69, 1341-1368.	2.5	24
483	Amyloidâ€Î²2 impairs the phagocytosis of dystrophic synapses by astrocytes in Alzheimer's disease. Glia, 2021, 69, 997-1011.	2.5	48
484	Synaptic elimination by microglia and disturbed higher brain functions. Neurochemistry International, 2021, 142, 104901.	1.9	29
485	Glia as sculptors of synaptic plasticity. Neuroscience Research, 2021, 167, 17-29.	1.0	85
486	Overexpression of schizophrenia susceptibility factor human complement C4A promotes excessive synaptic loss and behavioral changes in mice. Nature Neuroscience, 2021, 24, 214-224.	7.1	158
487	Astrocytes phagocytose adult hippocampal synapses for circuit homeostasis. Nature, 2021, 590, 612-617.	13.7	173

#	Article	IF	Citations
488	Chronic Stress Weakens Connectivity in the Prefrontal Cortex: Architectural and Molecular Changes. Chronic Stress, 2021, 5, 247054702110292.	1.7	38
489	PDE inhibition in distinct cell types to reclaim the balance of synaptic plasticity. Theranostics, 2021, 11, 2080-2097.	4.6	13
490	Characterization of Subcellular Organelles in Cortical Perisynaptic Astrocytes. Frontiers in Cellular Neuroscience, 2020, 14, 573944.	1.8	18
491	Testable Hypotheses Relating Complement Pathways to Elevated Risk for Schizophrenia. , 2021, , 183-194.		0
492	Innate immunity at the crossroads of healthy brain maturation and neurodevelopmental disorders. Nature Reviews Immunology, 2021, 21, 454-468.	10.6	127
493	Lipocalinâ€2 mediates the rejection of neural transplants. FASEB Journal, 2021, 35, e21317.	0.2	7
494	Role of Neuroinflammation in Neurodegenerative Disorders. , 2021, , 41-49.		2
495	The Complement C4 Genetic Diversity in First Episode Psychosis of the OPTiMiSE Cohort. Schizophrenia Bulletin Open, 2021, 2, .	0.9	5
496	The aryl hydrocarbon receptor and the gutâ€"brain axis. Cellular and Molecular Immunology, 2021, 18, 259-268.	4.8	61
498	Synaptic recognition molecules in development and disease. Current Topics in Developmental Biology, 2021, 142, 319-370.	1.0	12
499	Failures of nerve regeneration caused by aging or chronic denervation are rescued by restoring Schwann cell c-Jun. ELife, 2021, 10, .	2.8	63
500	Impact of maternal immune activation on dendritic spine development. Developmental Neurobiology, 2021, 81, 524-545.	1.5	15
501	The Multifaceted Roles of Hypothalamic Astrocytes and Microglial Cells in Neuroendocrine and Autonomic Regulation in Health and Disease. Masterclass in Neuroendocrinology, 2021, , 105-123.	0.1	0
502	Engulfed by Glia: Glial Pruning in Development, Function, and Injury across Species. Journal of Neuroscience, 2021, 41, 823-833.	1.7	27
503	Progressive Stabilization of Brain Network Dynamics during Childhood and Adolescence. Cerebral Cortex, 2022, 32, 1024-1039.	1.6	14
504	Astrocytes in schizophrenia. Brain and Neuroscience Advances, 2021, 5, 239821282110091.	1.8	32
506	Modeling Neurodevelopmental and Neuropsychiatric Diseases with Astrocytes Derived from Human-Induced Pluripotent Stem Cells. International Journal of Molecular Sciences, 2021, 22, 1692.	1.8	7
507	Strategies and Tools for Studying Microglial-Mediated Synapse Elimination and Refinement. Frontiers in Immunology, 2021, 12, 640937.	2.2	10

#	Article	IF	Citations
508	Schizophrenia: Complement Cleaning or Killing. Genes, 2021, 12, 259.	1.0	6
509	Evaluation of the effects of the T-type calcium channel enhancer SAK3 in a rat model of TAF1 deficiency. Neurobiology of Disease, 2021, 149, 105224.	2.1	1
510	Virus infection of the CNS disrupts the immune-neural-synaptic axis via induction of pleiotropic gene regulation of host responses. ELife, 2021, 10, .	2.8	13
512	Physiological and Pathological Ageing of Astrocytes in the Human Brain. Neurochemical Research, 2021, 46, 2662-2675.	1.6	30
513	Astrocyte-immune cell interactions in physiology and pathology. Immunity, 2021, 54, 211-224.	6.6	105
515	Behaviorally consequential astrocytic regulation of neural circuits. Neuron, 2021, 109, 576-596.	3.8	150
516	Insight into the role of phosphatidylserine in complement-mediated synapse loss in Alzheimerâ€™s disease. Faculty Reviews, 2021, 10, 19.	1.7	17
517	Glia actively sculpt sensory neurons by controlled phagocytosis to tune animal behavior. ELife, 2021, 10, .	2.8	16
518	Controlling T cells spreading, mechanics and activation by micropatterning. Scientific Reports, 2021, 11, 6783.	1.6	11
519	The roles of astrocytic phagocytosis in maintaining homeostasis of brains. Journal of Pharmacological Sciences, 2021, 145, 223-227.	1.1	29
520	Glial cell type-specific gene expression in the mouse cerebrum using the piggyBac system and in utero electroporation. Scientific Reports, 2021, 11, 4864.	1.6	10
521	Degenerative Cervical Myelopathy: Insights into Its Pathobiology and Molecular Mechanisms. Journal of Clinical Medicine, 2021, 10, 1214.	1.0	31
522	Nanoparticle-Based Delivery to Treat Spinal Cord Injuryâ€”a Mini-review. AAPS PharmSciTech, 2021, 22, 101.	1.5	16
523	Antioxidant Compound, Oxyresveratrol, Inhibits APP Production through the AMPK/ULK1/mTOR-Mediated Autophagy Pathway in Mouse Cortical Astrocytes. Antioxidants, 2021, 10, 408.	2.2	25
525	Lysosomal Functions in Glia Associated with Neurodegeneration. Biomolecules, 2021, 11, 400.	1.8	14
526	Implication of cerebral astrocytes in major depression: A review of fine neuroanatomical evidence in humans. Glia, 2021, 69, 2077-2099.	2.5	54
527	Mapping Astrocyte Transcriptional Signatures in Response to Neuroactive Compounds. International Journal of Molecular Sciences, 2021, 22, 3975.	1.8	12
528	Astrocytes in cocaine addiction and beyond. Molecular Psychiatry, 2022, 27, 652-668.	4.1	26

#	Article	IF	Citations
529	Neuro-Immune Cross-Talk in the Striatum: From Basal Ganglia Physiology to Circuit Dysfunction. Frontiers in Immunology, 2021, 12, 644294.	2.2	16
530	Phagocytosis by Peripheral Glia: Importance for Nervous System Functions and Implications in Injury and Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 660259.	1.8	19
531	Neuronal tau species transfer to astrocytes and induce their loss according to tau aggregation state. Brain, 2021, 144, 1167-1182.	3.7	27
532	Regulation of Endothelial and Vascular Functions by Carbon Monoxide via Crosstalk With Nitric Oxide. Frontiers in Cardiovascular Medicine, 2021, 8, 649630.	1.1	20
533	Caspase cleavage releases a nuclear protein fragment that stimulates phospholipid scrambling at the plasma membrane. Molecular Cell, 2021, 81, 1397-1410.e9.	4.5	16
534	Transcriptome of microglia reveals a speciesâ€specific expression profile in bovines with conserved and new signature genes. Glia, 2021, 69, 1932-1949.	2.5	3
535	A Novel Phagocytic Role of Astrocytes in Activity-dependent Elimination of Mature Excitatory Synapses. Neuroscience Bulletin, 2021, 37, 1256-1259.	1.5	3
536	Astrocytes. Current Biology, 2021, 31, R326-R327.	1.8	29
539	Modular Organization of Engulfment Receptors and Proximal Signaling Networks: Avenues to Reprogram Phagocytosis. Frontiers in Immunology, 2021, 12, 661974.	2.2	2
540	Efferocytosis Mediated Modulation of Injury after Neonatal Brain Hypoxia-Ischemia. Cells, 2021, 10, 1025.	1.8	8
541	Star power: the emerging role of astrocytes as neuronal partners during cortical plasticity. Current Opinion in Neurobiology, 2021, 67, 174-182.	2.0	13
543	Early onset senescence and cognitive impairment in a murine model of repeated mTBI. Acta Neuropathologica Communications, 2021, 9, 82.	2.4	19
544	Cross-Talk of the CNS With Immune Cells and Functions in Health and Disease. Frontiers in Neurology, 2021, 12, 672455.	1.1	30
545	NFIB induces functional astrocytes from human pluripotent stem cellâ€derived neural precursor cells mimicking in vivo astrogliogenesis. Journal of Cellular Physiology, 2021, 236, 7625-7641.	2.0	7
546	Phagocytic Glial Cells in Brain Homeostasis. Cells, 2021, 10, 1348.	1.8	13
549	Microglial MERTK eliminates phosphatidylserineâ€displaying inhibitory postâ€synapses. EMBO Journal, 2021, 40, e107121.	3.5	43
550	Conservation and divergence of vulnerability and responses to stressors between human and mouse astrocytes. Nature Communications, 2021, 12, 3958.	5.8	94
552	Atypical perineuronal nets in the CA2 region interfere with social memory in a mouse model of social dysfunction. Molecular Psychiatry, 2022, 27, 3520-3531.	4.1	27

#	Article	IF	Citations
553	Regulation of phospholipid dynamics in brain. Neuroscience Research, 2021, 167, 30-37.	1.0	9
554	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimerâ€™s Disease. Current Neuropharmacology, 2021, 19, 908-924.	1.4	29
555	The Phagocytic Code Regulating Phagocytosis of Mammalian Cells. Frontiers in Immunology, 2021, 12, 629979.	2.2	44
556	Transcriptome profiling of the Olig2-expressing astrocyte subtype reveals their unique molecular signature. IScience, 2021, 24, 102806.	1.9	5
557	Recent insights on astrocyte mechanisms in CNS homeostasis, pathology, and repair. Journal of Neuroscience Research, 2021, 99, 2427-2462.	1.3	31
558	Macrophage phagocytosis after spinal cord injury: when friends become foes. Brain, 2021, 144, 2933-2945.	3.7	59
559	Brain organoid: a 3D technology for investigating cellular composition and interactions in human neurological development and disease models in vitro. Stem Cell Research and Therapy, 2021, 12, 430.	2.4	22
560	Complement C4 Is Reduced in iPSC-Derived Astrocytes of Autism Spectrum Disorder Subjects. International Journal of Molecular Sciences, 2021, 22, 7579.	1.8	8
561	Functional immune cellâ€“astrocyte interactions. Journal of Experimental Medicine, 2021, 218, .	4.2	49
562	Biological implications of genetic variations in autism spectrum disorders from genomics studies. Bioscience Reports, 2021, 41, .	1.1	11
563	The Complement System: A Powerful Modulator and Effector of Astrocyte Function in the Healthy and Diseased Central Nervous System. Cells, 2021, 10, 1812.	1.8	27
564	Potential neurobiological links between social isolation and Alzheimer's disease risk. European Journal of Neuroscience, 2022, 56, 5397-5412.	1.2	16
566	Phagocytic Activities of Reactive Microglia and Astrocytes Associated with Prion Diseases Are Dysregulated in Opposite Directions. Cells, 2021, 10, 1728.	1.8	21
568	AXL kinase-mediated astrocytic phagocytosis modulates outcomes of traumatic brain injury. Journal of Neuroinflammation, 2021, 18, 154.	3.1	20
569	Glia Not Neurons: Uncovering Brain Dysmaturation in a Rat Model of Alzheimerâ€™s Disease. Biomedicines, 2021, 9, 823.	1.4	7
570	Genomeâ€Wide Association Study Identifies Risk Loci for Cluster Headache. Annals of Neurology, 2021, 90, 193-202.	2.8	31
571	Dual metabotropic glutamate receptor signaling enables coordination of astrocyte and neuron activity in developing sensory domains. Neuron, 2021, 109, 2545-2555.e7.	3.8	23
572	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. Frontiers in Cellular Neuroscience, 2021, 15, 718324.	1.8	22

#	Article	IF	Citations
573	Roles of astrocytes in response to aging, Alzheimerâ€™s disease and multiple sclerosis. Brain Research, 2021, 1764, 147464.	1.1	4
575	The Age of Brain Organoids: Tailoring Cell Identity and Functionality for Normal Brain Development and Disease Modeling. Frontiers in Neuroscience, 2021, 15, 674563.	1.4	18
577	Charging Up the Periphery: Glial Ionic Regulation in Sensory Perception. Frontiers in Cell and Developmental Biology, 2021, 9, 687732.	1.8	8
578	Neuromyelitis optica (NMO)â€IgGâ€driven organelle reorganization in human iPSCâ€derived astrocytes. FASEB Journal, 2021, 35, e21894.	0.2	3
579	TAM Signaling in the Nervous System. Brain Plasticity, 2021, 7, 33-46.	1.9	15
581	Long-Lasting Changes in Glial Cells Isolated From Rats Subjected to the Valproic Acid Model of Autism Spectrum Disorder. Frontiers in Pharmacology, 2021, 12, 707859.	1.6	11
582	Mechanisms governing activity-dependent synaptic pruning in the developing mammalian CNS. Nature Reviews Neuroscience, 2021, 22, 657-673.	4.9	149
584	Astrocyte Role in Temporal Lobe Epilepsy and Development of Mossy Fiber Sprouting. Frontiers in Cellular Neuroscience, 2021, 15, 725693.	1.8	14
585	Apolipoprotein B is a novel marker for early tau pathology in Alzheimer's disease. Alzheimer's and Dementia, 2022, 18, 875-887.	0.4	22
587	Activity-dependent modulation of synapse-regulating genes in astrocytes. ELife, 2021, 10, .	2.8	58
588	Osteopontin regulates proliferation, migration, and survival of astrocytes depending on their activation phenotype. Journal of Neuroscience Research, 2021, 99, 2822-2843.	1.3	11
589	Functions of noncoding RNAs in glial development. Developmental Neurobiology, 2021, 81, 877-891.	1.5	2
590	Human iPSC-Derived Glia as a Tool for Neuropsychiatric Research and Drug Development. International Journal of Molecular Sciences, 2021, 22, 10254.	1.8	8
591	The Role of Complement in Synaptic Pruning and Neurodegeneration. ImmunoTargets and Therapy, 2021, Volume 10, 373-386.	2.7	64
592	Extracellular Vesicles Taken up by Astrocytes. International Journal of Molecular Sciences, 2021, 22, 10553.	1.8	12
593	Astrocytes in Neural Circuits: Key Factors in Synaptic Regulation and Potential Targets for Neurodevelopmental Disorders. Frontiers in Molecular Neuroscience, 2021, 14, 729273.	1.4	19
594	Neuroinflammation and psychiatric disorders: Relevance of C1q, translocator protein (18â€‰kDa) (TSPO), and neurosteroids. World Journal of Biological Psychiatry, 2022, 23, 257-263.	1.3	9
595	Adenosine A2A receptor modulates microglia-mediated synaptic pruning of the retinogeniculate pathway during postnatal development. Neuropharmacology, 2021, 200, 108806.	2.0	7

#	Article	IF	Citations
596	Trace amine-associated receptor 1 (TAAR1): Potential application in mood disorders: A systematic review. Neuroscience and Biobehavioral Reviews, 2021, 131, 192-210.	2.9	15
597	Profile of the RNA in exosomes from astrocytes and microglia using deep sequencing: implications for neurodegeneration mechanisms. Neural Regeneration Research, 2022, 17, 608.	1.6	8
598	Neuroprotective Effect of Vascular Endothelial Growth Factor on Motoneurons of the Oculomotor System. International Journal of Molecular Sciences, 2021, 22, 814.	1.8	19
599	Cell type-specific changes in transcriptomic profiles of endothelial cells, iPSC-derived neurons and astrocytes cultured on microfluidic chips. Scientific Reports, 2021, 11, 2281.	1.6	16
600	On the reactive states of astrocytes in prion diseases. Prion, 2021, 15, 87-93.	0.9	13
601	Astroglial cells as neuroendocrine targets in forebrain development: Implications for sex differences in psychiatric disease. Frontiers in Neuroendocrinology, 2021, 60, 100897.	2.5	9
602	Monitoring phagocytic uptake of amyloid Î² into glial cell lysosomes in real time. Chemical Science, 2021, 12, 10901-10918.	3.7	19
603	The role of astrocyteâ€mediated plasticity in neural circuit development and function. Neural Development, 2021, 16, 1.	1.1	78
604	Flagging fusion: Phosphatidylserine signaling in cellâ€“cell fusion. Journal of Biological Chemistry, 2021, 296, 100411.	1.6	54
605	Nematode C. elegans: Genetic Dissection of Pathways Regulating Seizure and Epileptic-Like Behaviors. , 2017, , 327-344.		2
606	Increased synapse elimination by microglia in schizophrenia patient-derived models of synaptic pruning. Nature Neuroscience, 2019, 22, 374-385.	7.1	511
622	Astrocytes to the rescue! Glia limitans astrocytic endfeet control CNS inflammation. Journal of Clinical Investigation, 2017, 127, 2897-2899.	3.9	45
623	Mechanism of Repetitive Transcranial Magnetic Stimulation for Depression. Shanghai Archives of Psychiatry, 2018, 30, 84-92.	0.7	29
624	Developmental synapse remodeling in the cerebellum and visual thalamus. F1000Research, 2019, 8, 1191.	0.8	29
625	Protecting cells by protecting their vulnerable lysosomes: Identification of a new mechanism for preserving lysosomal functional integrity upon oxidative stress. PLoS Genetics, 2017, 13, e1006603.	1.5	53
626	Astrocytes Play a Key Role in Drosophila Mushroom Body Axon Pruning. PLoS ONE, 2014, 9, e86178.	1.1	65
627	Morphine Enhances HIV-1SF162-Mediated Neuron Death and Delays Recovery of Injured Neurites. PLoS ONE, 2014, 9, e100196.	1.1	15
628	Astrocyte phenotypes: Emphasis on potential markers in neuroinflammation. Histology and Histopathology, 2021, 36, 267-290.	0.5	7

#	Article	IF	Citations
629	P2X7 IS AN ARCHAIC SCAVENGER RECEPTOR RECOGNIZING APOPTOTIC NEUROBLASTS IN EARLY HUMAN NEUROGENESIS. Receptors & Clinical Investigation, 0, , .	0.9	2
630	Immature Neurons and Radial Glia, But Not Astrocytes or Microglia, Are Altered in Adult Cntnap2 and Shank3 Mice, Models of Autism. ENeuro, 2016, 3, ENEURO.0196-16.2016.	0.9	34
631	Brain Region-Specific Gene Signatures Revealed by Distinct Astrocyte Subpopulations Unveil Links to Glioma and Neurodegenerative Diseases. ENeuro, 2019, 6, ENEURO.0288-18.2019.	0.9	31
632	Local externalization of phosphatidylserine mediates developmental synaptic pruning by microglia. EMBO Journal, 2020, 39, e105380.	3.5	217
633	MerTK inhibition is a novel therapeutic approach for glioblastoma multiforme. Oncotarget, 2014, 5, 1338-1351.	0.8	49
634	Assessing amyloid-Î², tau, and glial features in Lothian Birth Cohort 1936 participants post-mortem. Matters, 0, , .	1.0	2
635	Role and Therapeutic Potential of Astrocytes in Amyotrophic Lateral Sclerosis. Current Pharmaceutical Design, 2018, 23, 5010-5021.	0.9	50
636	Astrocytes: From the Physiology to the Disease. Current Alzheimer Research, 2019, 16, 675-698.	0.7	20
637	Pharmacological Tools to Activate Microglia and their Possible use to Study Neural Network Patho-physiology. Current Neuropharmacology, 2017, 15, 595-619.	1.4	10
638	More Than Mortar: Glia as Architects of Nervous System Development and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 611269.	1.8	33
639	Astrocytic Factors Controlling Synaptogenesis: A Team Play. Cells, 2020, 9, 2173.	1.8	19
640	Etoposide Induces Mitochondrial Dysfunction and Cellular Senescence in Primary Cultured Rat Astrocytes. Biomolecules and Therapeutics, 2019, 27, 530-539.	1.1	24
641	SIRT1 facilitates amyloid beta peptide degradation by upregulating lysosome number in primary astrocytes. Neural Regeneration Research, 2018, 13, 2005.	1.6	49
642	Urokinase-type plasminogen activator is a modulator of synaptic plasticity in the central nervous system: implications for neurorepair in the ischemic brain. Neural Regeneration Research, 2020, 15, 620.	1.6	14
643	Astrocytes contribute to synapse elimination via type 2 inositol 1,4,5-trisphosphate receptor-dependent release of ATP. ELife, 2016, 5, e15043.	2.8	75
644	Regulation of neuronal axon specification by glia-neuron gap junctions in C. elegans. ELife, 2016, 5, .	2.8	19
645	A conserved morphogenetic mechanism for epidermal ensheathment of nociceptive sensory neurites. ELife, 2019, 8, .	2.8	39
646	Phagocytic glia are obligatory intermediates in transmission of mutant huntingtin aggregates across neuronal synapses. ELife, 2020, 9, .	2.8	24

#	Article	IF	Citations
647	The development and physiological and pathophysiological functions of resident macrophages and glial cells. Advances in Immunology, 2021, 151, 1-47.	1.1	2
648	Development of astrocyte morphology and function in mouse visual thalamus. Journal of Comparative Neurology, 2022, 530, 945-962.	0.9	6
649	Old Stars and New Players in the Brain Tumor Microenvironment. Frontiers in Cellular Neuroscience, 2021, 15, 709917.	1.8	11
650	Topological Dissection of Proteomic Changes Linked to the Limbic Stage of Alzheimerâ€™s Disease. Frontiers in Immunology, 2021, 12, 750665.	2.2	5
652	The pseudoprotease iRhom1 controls ectodomain shedding of membrane proteins in the nervous system. FASEB Journal, 2021, 35, e21962.	0.2	5
653	Microglia control glutamatergic synapses in the adult mouse hippocampus. Glia, 2022, 70, 173-195.	2.5	46
655	Developing and Mature Synapses. , 2014, , 223-248.		5
656	Regressive Phenomena: Refining Connections. , 2015, , 1-30.		0
657	The iPSC Technology to Study Neurodevelopmental Disorders. , 2016, , 295-300.		0
658	Molecular Control of Dendritic Remodeling. , 2016, , 273-294.		0
663	Alexander Disease:A Guide for Patients and Families. Colloquium Series on Neuroglia in Biology and Medicine From Physiology To Disease, 2017, 4, i-96.	0.5	1
665	Cell-Autonomous Regulation of Astrocyte Activation by the Circadian Clock Protein BMAL1. SSRN Electronic Journal, 0, , .	0.4	0
667	Synaptogenesis and Synapse Elimination. , 2019, , 1-24.		0
673	In Vivo Analysis of Glial Immune Responses to Axon Degeneration in Drosophila melanogaster. Methods in Molecular Biology, 2020, 2143, 321-338.	0.4	2
677	An ELISA-based method for rapid genetic screens in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	1
679	Complement and microglia dependent synapse elimination in brain development. WIREs Mechanisms of Disease, 2022, 14, e1545.	1.5	12
685	Knockdown of VDAC1 alleviates the cognitive dysfunction secondary to sepsis-associated encephalopathy. American Journal of Translational Research (discontinued), 2021, 13, 7538-7555.	0.0	0
686	Human induced pluripotent stem cellâ€“derived astrocytes progenitors as discovery platforms. , 2022, , 45-89.		0

#	Article	IF	Citations
687	C1q and <scp>SRPX2</scp> regulate microglia mediated synapse elimination during early development in the visual thalamus but not the visual cortex. Glia, 2022, 70, 451-465.	2.5	18
688	Identification of astroglia-like cardiac nexus glia that are critical regulators of cardiac development and function. PLoS Biology, 2021, 19, e3001444.	2.6	15
689	Altered synaptic connectivity and brain function in mice lacking microglial adapter protein Iba1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	35
690	Stroke subtype-dependent synapse elimination by reactive gliosis in mice. Nature Communications, 2021, 12, 6943.	5.8	84
691	Sleep Disruption Worsens Seizures: Neuroinflammation as a Potential Mechanistic Link. International Journal of Molecular Sciences, 2021, 22, 12531.	1.8	8
692	Synaptogenesis and Synapse Elimination. , 2022, , 309-332.		1
693	Gliazellen: UnterschÃtzte Gehirnzellen. , 0, , .		0
694	Complement as a powerful â€œinfluencerâ€•in the brain during development, adulthood and neurological disorders. Advances in Immunology, 2021, 152, 157-222.	1.1	11
695	Astrocytes in Addictive Disorders. Advances in Neurobiology, 2021, 26, 231-254.	1.3	7
696	Microglia and Sensitive Periods in Brain Development. Current Topics in Behavioral Neurosciences, 2021, , 55-78.	0.8	10
698	Synaptic dysfunction in early phases of Alzheimer's Disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 417-438.	1.0	27
699	Scavenger receptors in host defense: from functional aspects to mode of action. Cell Communication and Signaling, 2022, 20, 2.	2.7	42
700	Changes in Glial Support of the Hippocampus during the Development of an Alzheimerâ€™s Disease-like Pathology and Their Correction by Mitochondria-Targeted Antioxidant SkQ1. International Journal of Molecular Sciences, 2022, 23, 1134.	1.8	11
701	TNFâ€±/ENO1 signaling facilitates testicular phagocytosis by directly activating Elmo1 gene expression in mouse Sertoli cells. FEBS Journal, 2022, 289, 2809-2827.	2.2	3
702	MicroRNA-210 regulates the metabolic and inflammatory status of primary human astrocytes. Journal of Neuroinflammation, 2022, 19, 10.	3.1	26
703	Human Astrocytes Exhibit Tumor Microenvironment-, Age-, and Sex-Related Transcriptomic Signatures. Journal of Neuroscience, 2022, 42, 1587-1603.	1.7	24
704	The Role of Microglial Phagocytosis in Ischemic Stroke. Frontiers in Immunology, 2021, 12, 790201.	2.2	39
705	Sex differences in developmental patterns of neocortical astroglia: A mouse translatome database. Cell Reports, 2022, 38, 110310.	2.9	33

#	Article	IF	Citations
706	Diversity of satellite glia in sympathetic and sensory ganglia. Cell Reports, 2022, 38, 110328.	2.9	33
707	The roles of microglia and astrocytes in phagocytosis and myelination: Insights from the cuprizone model of multiple sclerosis. Glia, 2022, 70, 1215-1250.	2.5	49
708	Glia Regulate the Development, Function, and Plasticity of the Visual System From Retina to Cortex. Frontiers in Neural Circuits, 2022, 16, 826664.	1.4	7
710	Phagocytic astrocytes: Emerging from the shadows of microglia. Glia, 2022, 70, 1009-1026.	2.5	30
711	Macrophages, Metabolism and Heterophagy in the Heart. Circulation Research, 2022, 130, 418-431.	2.0	21
712	Genetic studies of humanâ€“chimpanzee divergence using stem cell fusions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	20
713	Excitatory neurotransmission activates compartmentalized calcium transients in MÃ¼ller glia without affecting lateral process motility. ELife, 2021, 10, .	2.8	7
714	Amphetamine and the Biology of Neuronal Morphology. , 2022, , 1-24.		0
715	<scp>IGF</scp>â€1 regulates astrocytic phagocytosis and inflammation through the p110Î± isoform of <scp>PI3K</scp> in a sexâ€specific manner. Glia, 2022, 70, 1153-1169.	2.5	16
716	Clearing Your Mind: Mechanisms of Debris Clearance After Cell Death During Neural Development. Annual Review of Neuroscience, 2022, 45, 177-198.	5.0	2
717	Early stress-induced impaired microglial pruning of excitatory synapses on immature CRH-expressing neurons provokes aberrant adult stress responses. Cell Reports, 2022, 38, 110600.	2.9	63
718	Genetics of glutamate and its receptors in autism spectrum disorder. Molecular Psychiatry, 2022, 27, 2380-2392.	4.1	39
719	The Multifaceted Neurotoxicity of Astrocytes in Ageing and Age-Related Neurodegenerative Diseases: A Translational Perspective. Frontiers in Physiology, 2022, 13, 814889.	1.3	8
720	Good, bad, and neglectful: Astrocyte changes in neurodegenerative disease. Free Radical Biology and Medicine, 2022, 182, 93-99.	1.3	18
721	Astrocytic phagocytosis contributes to demyelination after focal cortical ischemia in mice. Nature Communications, 2022, 13, 1134.	5.8	52
722	Microglia maintain the normal structure and function of the hippocampal astrocyte network. Glia, 2022, 70, 1359-1379.	2.5	29
723	Astrocytes derived from ASD individuals alter behavior and destabilize neuronal activity through aberrant Ca2+ signaling. Molecular Psychiatry, 2022, 27, 2470-2484.	4.1	26
724	Progression in translational research on spinal cord injury based on microenvironment imbalance. Bone Research, 2022, 10, 35.	5.4	64

#	Article	IF	Citations
725	Mechanisms Underlying Neuropathic Painï¼šEssential Roles of Cortical Astrocytes. The Japanese Journal of Rehabilitation Medicine, 2021, 58, 1229-1234.	0.0	0
726	Dorsal Striatum Transcriptome Profile Profound Shift in Repeated Aggression Mouse Model Converged to Networks of 12 Transcription Factors after Fighting Deprivation. Genes, 2022, 13, 21.	1.0	6
727	Abnormal Ca2+ Signals in Reactive Astrocytes as a Common Cause of Brain Diseases. International Journal of Molecular Sciences, 2022, 23, 149.	1.8	5
730	Cytokine Signalling at the Microglial Penta-Partite Synapse. International Journal of Molecular Sciences, 2021, 22, 13186.	1.8	13
731	Alterations in Excitatory and Inhibitory Synaptic Development Within the Mesolimbic Dopamine Pathway in a Mouse Model of Prenatal Drug Exposure. Frontiers in Pediatrics, 2021, 9, 794544.	0.9	3
732	Blocking C3d⁺/GFAP⁺ A1 Astrocyte Conversion with Semaglutide Attenuates Blood-Brain Barrier Disruption in Mice after Ischemic Stroke. , 2022, 13, 943.		40
735	A Neuron, Microglia, and Astrocyte Triple Co-culture Model to Study Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2022, 14, 844534.	1.7	18
736	Concerted type I interferon signaling in microglia and neural cells promotes memory impairment associated with amyloid Î² plaques. Immunity, 2022, 55, 879-894.e6.	6.6	64
757	Characteristics of electrophysiological changes in the process of astrocytes pyroptosis after hyperoxia exposure. Journal of Central South University (Medical Sciences), 2020, 45, 759-765.	0.1	0
758	Synaptic loss in a mouse model of euthyroid Hashimotoâ€™s thyroiditis: possible involvement of the microglia. BMC Neuroscience, 2022, 23, 25.	0.8	0
760	Pathway-specific maturation of presynaptic functions of the somatosensory thalamus. Neuroscience Research, 2022, , .	1.0	1
761	The Glial Cells Respond to Spinal Cord Injury. Frontiers in Neurology, 2022, 13, .	1.1	7
762	Establishment of tissue-resident immune populations in the fetus. Seminars in Immunopathology, 2022, 44, 747-766.	2.8	5
763	Understanding astrocyte differentiation: Clinical relevance, technical challenges, and new opportunities in the omics era. WIREs Mechanisms of Disease, 2022, 14, e1557.	1.5	7
764	Microglia Depletion from Primary Glial Cultures Enables to Accurately Address the Immune Response of Astrocytes. Biomolecules, 2022, 12, 666.	1.8	8
765	Controlling astrocyte-mediated synaptic pruning signals for schizophrenia drug repurposing with deep graph networks. PLoS Computational Biology, 2022, 18, e1009531.	1.5	1
766	Immuneâ€“vascular mural cell interactions: consequences for immune cell trafficking, cerebral blood flow, and the bloodâ€“brain barrier. Neurophotonics, 2022, 9, 031914.	1.7	12
768	The Prognostic Signature and Therapeutic Value of Phagocytic Regulatory Factors in Prostate Adenocarcinoma (PRAD). Frontiers in Genetics, 0, 13, .	1.1	3

#	Article	IF	Citations
769	Singleâ€€Cell Transcriptomic Analysis Demonstrates the Regulation of Peach Polysaccharides on Circadian Rhythm Disturbance. Molecular Nutrition and Food Research, 2022, 66, .	1.5	4
770	Reversal of synapse loss in Alzheimer mouse models by targeting mGluR5 to prevent synaptic tagging by C1Q. Science Translational Medicine, 2022, 14, .	5.8	38
771	The nonclassical MHC class I Qa-1 expressed in layer 6 neurons regulates activity-dependent plasticity via microglial CD94/NKG2 in the cortex. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	11
772	Complement C3a activates astrocytes to promote medulloblastoma progression through TNF-Î±. Journal of Neuroinflammation, 2022, 19, .	3.1	6
773	Aberrant Synaptic Pruning in CNS Diseases: A Critical Player in HIV-Associated Neurological Dysfunction?. Cells, 2022, 11, 1943.	1.8	3
774	The Role of Astrocytes in Synapse Loss in Alzheimer's Disease: A Systematic Review. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	16
775	Vitamin D3 Inhibits Phagocytic Activity of Rat Brain Astrocytes in Primary Culture. Journal of Evolutionary Biochemistry and Physiology, 2022, 58, 666-676.	0.2	1
776	Sera of Neuromyelitis Optica Patients Increase BID-Mediated Apoptosis in Astrocytes. International Journal of Molecular Sciences, 2022, 23, 7117.	1.8	4
777	Astrocytes: the neglected stars in the central nervous system and drug addiction. Medical Review, 2022, 2, 417-426.	0.3	1
778	Continual Deletion of Spinal Microglia Reforms Astrocyte Scar Favoring Axonal Regeneration. Frontiers in Pharmacology, 0, 13, .	1.6	6
779	Controlled activation of cortical astrocytes modulates neuropathic pain-like behaviour. Nature Communications, 2022, 13, .	5.8	14
781	Actions of Metformin in the Brain: A New Perspective of Metformin Treatments in Related Neurological Disorders. International Journal of Molecular Sciences, 2022, 23, 8281.	1.8	12
782	Foundations and implications of astrocyte heterogeneity during brain development and disease. Trends in Neurosciences, 2022, 45, 692-703.	4.2	17
783	Microglia deficiency accelerates prion disease but does not enhance prion accumulation in the brain. Glia, 2022, 70, 2169-2187.	2.5	13
784	Microgliaâ€dependent remodeling of neuronal circuits. Journal of Neurochemistry, 2022, 163, 74-93.	2.1	25
785	Hunting for the cause: Evidence for prion-like mechanisms in Huntingtonâ€™s disease. Frontiers in Neuroscience, 0, 16, .	1.4	6
786	Early life adversity shapes neural circuit function during sensitive postnatal developmental periods. Translational Psychiatry, 2022, 12, .	2.4	34
787	Neuronâ€“Glial Interactions in Health and Brain Cancer. Advanced Biology, 2022, 6, .	1.4	8

#	Article	IF	Citations
788	Synapse-specific roles for microglia in development: New horizons in the prefrontal cortex. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	5
789	A distinct astrocyte subtype in the aging mouse brain characterized by impaired protein homeostasis. Nature Aging, 2022, 2, 726-741.	5.3	21
790	Prenatal environmental stressors impair postnatal microglia function and adult behavior in males. Cell Reports, 2022, 40, 111161.	2.9	34
791	Apolipoprotein E4 impairs the response of neurodegenerative retinal microglia and prevents neuronal loss in glaucoma. Immunity, 2022, 55, 1627-1644.e7.	6.6	33
792	The Notch signaling pathway in skeletal muscle health and disease. Muscle and Nerve, 2022, 66, 530-544.	1.0	12
793	Adolescent sleep and the foundations of prefrontal cortical development and dysfunction. Progress in Neurobiology, 2022, 218, 102338.	2.8	12
794	Bexarotene enhances astrocyte phagocytosis via ABCA1-mediated pathways in a mouse model of subarachnoid hemorrhage. Experimental Neurology, 2022, 358, 114228.	2.0	4
795	Cell Heterogeneity Uncovered by Single-Cell RNA Sequencing Offers Potential Therapeutic Targets for Ischemic Stroke. , 2022, 13, 1436.		11
797	Oligodendrocyte precursor cells engulf synapses during circuit remodeling in mice. Nature Neuroscience, 2022, 25, 1273-1278.	7.1	50
799	Astrocyte Activation Markers. Biochemistry (Moscow), 2022, 87, 851-870.	0.7	2
800	Postnatal age-differential ASD-like transcriptomic, synaptic, and behavioral deficits in Myt1l-mutant mice. Cell Reports, 2022, 40, 111398.	2.9	9
802	Prognostic Signature Development on the Basis of Macrophage Phagocytosis-Mediated Oxidative Phosphorylation in Bladder Cancer. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-39.	1.9	2
803	The role of astrocytes in behaviors related to emotion and motivation. Neuroscience Research, 2023, 187, 21-39.	1.0	5
804	Astrocytes regulate neuronal network activity by mediating synapse remodeling. Neuroscience Research, 2023, 187, 3-13.	1.0	3
805	Complement C1q-dependent excitatory and inhibitory synapse elimination by astrocytes and microglia in Alzheimerâ€™s disease mouse models. Nature Aging, 2022, 2, 837-850.	5.3	60
806	Galectin-3 (MAC-2) controls phagocytosis and macropinocytosis through intracellular and extracellular mechanisms. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	7
807	Glial roles in sterile inflammation after ischemic stroke. Neuroscience Research, 2023, 187, 67-71.	1.0	12
808	The Role of Astrocytes in Astrocytes Alzheimerâ€™s Disease. , 2020, 9, 65-79.		0

#	Article	IF	Citations
809	Regressive Phenomena: Refining Connections. , 2022, , 501-530.		0
810	Amphetamine and the Biology of Neuronal Morphology. , 2022, , 2169-2191.		0
812	Astrocyte contribution to dysfunction, risk and progression in neurodegenerative disorders. Nature Reviews Neuroscience, 2023, 24, 23-39.	4.9	107
813	Terminal field volume of the glossopharyngeal nerve in adult rats reverts to prepruning size following microglia depletion with PLX5622. Developmental Neurobiology, 0, , .	1.5	1
814	Assaying Microglia Functions In Vitro. Cells, 2022, 11, 3414.	1.8	6
815	The Role of Astrocytes in the Mechanism of Perioperative Neurocognitive Disorders. Brain Sciences, 2022, 12, 1435.	1.1	0
817	Synaptic pruning through glial synapse engulfment upon motor learning. Nature Neuroscience, 2022, 25, 1458-1469.	7.1	17
818	TREM2 and Microglia Contribute to the Synaptic Plasticity: from Physiology to Pathology. Molecular Neurobiology, 2023, 60, 512-523.	1.9	8
819	Erratic and blood vessel-guided migration of astrocyte progenitors in the cerebral cortex. Nature Communications, 2022, 13, .	5.8	7
820	The roles of microglia and astrocytes in myelin phagocytosis in the central nervous system. Journal of Cerebral Blood Flow and Metabolism, 2023, 43, 325-340.	2.4	11
821	Interactions Between Astrocytes and Oligodendroglia in Myelin Development and Related Brain Diseases. Neuroscience Bulletin, 2023, 39, 541-552.	1.5	8
822	An Altered Neurovascular System in Aging-Related Eye Diseases. International Journal of Molecular Sciences, 2022, 23, 14104.	1.8	1
823	Distinct brain pathologies associated with Alzheimerâ€™s disease biomarker-related phospho-tau 181 and phospho-tau 217 in App knock-in mouse models of amyloid-Î² amyloidosis. Brain Communications, 2022, 4, .	1.5	5
824	Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. Neuron, 2023, 111, 190-201.e8.	3.8	22
825	The heterogeneity of astrocytes in glaucoma. Frontiers in Neuroanatomy, 0, 16, .	0.9	8
826	Phosphatidylserine in the Nervous System: Cytoplasmic Regulator of the AKT and PKC Signaling Pathways and Extracellular â€œEat-Meâ€•Signal in Microglial Phagocytosis. Molecular Neurobiology, 0, , .	1.9	1
827	Microglia and astrocytes mediate synapse engulfment in a MER tyrosine kinase-dependent manner after traumatic brain injury. Neural Regeneration Research, 2023, .	1.6	0
828	Neuroglia Cells Transcriptomic in Brain Development, Aging and Neurodegenerative Diseases. , 2023, 14, 63.		5

#	Article	IF	Citations
829	Impact of AÎ²40 and AÎ²42 Fibrils on the Transcriptome of Primary Astrocytes and Microglia. Biomedicines, 2022, 10, 2982.	1.4	2
830	Wasteosomes (corpora amylacea) as a hallmark of chronic glymphatic insufficiency. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
831	Key brain cell interactions and contributions to the pathogenesis of Alzheimerâ€™s disease. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	4
832	Inhibition of A1 Astrocytes and Activation of A2 Astrocytes for the Treatment of Spinal Cord Injury. Neurochemical Research, 2023, 48, 767-780.	1.6	3
833	Astrocyte adaptation in Alzheimerâ€™s disease: a focus on astrocytic P2X7R. Essays in Biochemistry, 2023, 67, 119-130.	2.1	11
834	Oligodendrocyte precursor cells ingest axons in the mouse neocortex. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	46
835	Brain and cardiovascular-related changes are associated with aging, hypertension, and atrial fibrillation. Clinical Autonomic Research, 2022, 32, 409-422.	1.4	2
836	Modulation of the Microglial Nogo-A/NgR Signaling Pathway as a Therapeutic Target for Multiple Sclerosis. Cells, 2022, 11, 3768.	1.8	4
837	Synaptic degeneration in Alzheimer disease. Nature Reviews Neurology, 2023, 19, 19-38.	4.9	84
838	Sterol dysregulation in Smithâ€“Lemliâ€“Opitz syndrome causes astrocyte immune reactivity through microglia crosstalk. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	1
839	Movers and shakers: Microglial dynamics and modulation of neural networks. Glia, 2023, 71, 1575-1591.	2.5	13
840	Early-life stress lastingly impacts microglial transcriptome and function under basal and immune-challenged conditions. Translational Psychiatry, 2022, 12, .	2.4	13
841	Single-cell microglial transcriptomics during demyelination defines a microglial state required for lytic carcass clearance. Molecular Neurodegeneration, 2022, 17, .	4.4	8
842	Synapse Dysfunctions in Multiple Sclerosis. International Journal of Molecular Sciences, 2023, 24, 1639.	1.8	5
843	Generation of Urine-Derived Induced Pluripotent Stem Cells and Cerebral Organoids for Modeling Down Syndrome. Stem Cell Reviews and Reports, 2023, 19, 1116-1123.	1.7	4
844	The association of astrogliosis and microglial activation with aging and Alzheimer's disease pathology in the chimpanzee brain. Journal of Neuroscience Research, 2023, 101, 881-900.	1.3	4
845	The Anaesthetics Isoflurane and Xenon Reverse the Synaptotoxic Effects of AÎ²1â€“42 on Megf10-Dependent Astrocytic Synapse Elimination and Spine Density in Ex Vivo Hippocampal Brain Slices. International Journal of Molecular Sciences, 2023, 24, 912.	1.8	5
846	Diverse but unique astrocytic phenotypes during embryonic stem cell differentiation, culturing and development. Communications Biology, 2023, 6, .	2.0	2

#	Article	IF	Citations
847	Evolutionarily conserved concepts in glial cell biology. Current Opinion in Neurobiology, 2023, 78, 102669.	2.0	2
848	Microglia-mediated synaptic pruning as a key deficit in neurodevelopmental disorders: Hype or hope?. Current Opinion in Neurobiology, 2023, 79, 102674.	2.0	10
849	Neurosteroids and translocator protein 18ÂkDa (TSPO) in depression: implications for synaptic plasticity, cognition, and treatment options. European Archives of Psychiatry and Clinical Neuroscience, 0, , .	1.8	4
850	Emerging Roles of Extracellular Vesicles in Alzheimerâ€™s Disease: Focus on Synaptic Dysfunction and Vesicleâ€“Neuron Interaction. Cells, 2023, 12, 63.	1.8	6
853	Surfaceome Profiling of Cell Lines and Patient-Derived Xenografts Confirm FGFR4, NCAM1, CD276, and Highlight AGRL2, JAM3, and L1CAM as Surface Targets for Rhabdomyosarcoma. International Journal of Molecular Sciences, 2023, 24, 2601.	1.8	6
854	AVE 0991 Suppresses Astrocyte-Mediated Neuroinflammation of Alzheimerâ€™s Disease by Enhancing Autophagy. Journal of Inflammation Research, 0, Volume 16, 391-406.	1.6	3
855	Astrocyte-mediated Transduction of Muscle Fiber Contractions Synchronizes Hippocampal Neuronal Network Development. Neuroscience, 2023, 515, 25-36.	1.1	2
856	The Memory Orchestra: Contribution of Astrocytes. Neuroscience Bulletin, 2023, 39, 409-424.	1.5	5
857	Actin-dependent astrocytic infiltration is a key step for axon defasciculation during remodeling. Cell Reports, 2023, 42, 112117.	2.9	0
858	Interactions of glial cells with neuronal synapses, from astrocytes to microglia and oligodendrocyte lineage cells. Glia, 2023, 71, 1383-1401.	2.5	21
859	The molecular signals that regulate activity-dependent synapse refinement in the brain. Current Opinion in Neurobiology, 2023, 79, 102692.	2.0	4
860	Synaptogenesis. , 2023, , 77-92.		0
861	Granulin loss of function in human mature brain organoids implicates astrocytes in TDP-43 pathology. Stem Cell Reports, 2023, 18, 706-719.	2.3	8
862	Lymphocyte deficiency alters the transcriptomes of oligodendrocytes, but not astrocytes or microglia. PLoS ONE, 2023, 18, e0279736.	1.1	0
863	The glial perspective of autism spectrum disorder convergent evidence from postmortem brain and PET studies. Frontiers in Neuroendocrinology, 2023, 70, 101064.	2.5	2
865	Alzheimerâ€™s disease as a synaptopathy: Evidence for dysfunction of synapses during disease progression. Frontiers in Synaptic Neuroscience, 0, 15, .	1.3	8
866	Neonatal loss of FGFR2 in astroglial cells affects locomotion, sociability, working memory, and glia-neuron interactions in mice. Translational Psychiatry, 2023, 13, .	2.4	0
867	Cytosolic DNA sensors and glial responses to endogenous DNA. Frontiers in Immunology, 0, 14, .	2.2	3

#	Article	IF	Citations
868	Disrupting cortical astrocyte Ca²⁺ signaling in developing brain induces social deficits and depressiveâ€like behaviors. Glia, 2023, 71, 1592-1606.	2.5	1
869	Changes in cytokine and cytokine receptor levels during postnatal development of the human dorsolateral prefrontal cortex. Brain, Behavior, and Immunity, 2023, 111, 186-201.	2.0	1
871	Targeting CXCL1 chemokine signaling for treating cisplatin ototoxicity. Frontiers in Immunology, 0, 14, .	2.2	6
872	Analyzing schizophrenia-related phenotypes in mice caused by autoantibodies against NRXN1Î± in schizophrenia. Brain, Behavior, and Immunity, 2023, 111, 32-45.	2.0	4
873	How do necrotic cells expose phosphatidylserine to attract their predatorsâ€”Whatâ€™s unique and whatâ€™s in common with apoptotic cells. Frontiers in Cell and Developmental Biology, 0, 11, .	1.8	1
874	<scp>GPR37L1</scp> controls maturation and organization of cortical astrocytes during development. Glia, 2023, 71, 1921-1946.	2.5	4
875	The synaptic hypothesis of schizophrenia version III: a master mechanism. Molecular Psychiatry, 2023, 28, 1843-1856.	4.1	20
876	Enteric Glia and Brain Astroglia: Complex Communication in Health and Disease along the Gut-Brain Axis. Neuroscientist, 0, , 107385842311634.	2.6	3
877	Large-Scale Integration of Single-Cell RNA-Seq Data Reveals Astrocyte Diversity and Transcriptomic Modules across Six Central Nervous System Disorders. Biomolecules, 2023, 13, 692.	1.8	4
879	Megf10â€related engulfment of excitatory postsynapses by astrocytes following severe brain injury. CNS Neuroscience and Therapeutics, 2023, 29, 2873-2883.	1.9	2
882	Astroglial functions. , 2023, , 199-294.		9
884	Space Renaissance and Neurodegeneration. , 2022, , 123-132.		0
892	Functional roles of reactive astrocytes in neuroinflammation and neurodegeneration. Nature Reviews Neurology, 2023, 19, 395-409.	4.9	54
917	After cell death: the molecular machinery of efferocytosis. Experimental and Molecular Medicine, 2023, 55, 1644-1651.	3.2	1
929	Neuronâ€“oligodendroglial interactions in health and malignant disease. Nature Reviews Neuroscience, 2023, 24, 733-746.	4.9	1
930	Glial-mediated dysregulation of neurodevelopment in Fragile X Syndrome. International Review of Neurobiology, 2023, , .	0.9	0
956	Human neuronal maturation comes of age: cellular mechanisms and species differences. Nature Reviews Neuroscience, 2024, 25, 7-29.	4.9	3
991	Gliomas: a reflection of temporal gliogenic principles. Communications Biology, 2024, 7, .	2.0	0

#	Article	IF	Citations