

# CITATION REPORT

List of articles citing

## The aging neurogenic subventricular zone

DOI: 10.1111/j.1474-9726.2006.00197.x  
Aging Cell, 2006, 5, 139-52.

**Source:** <https://exaly.com/paper-pdf/40377400/citation-report.pdf>

**Version:** 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
244	A comparative framework for understanding the biological principles of adult neurogenesis. <b>2006</b> , 80, 281-307		164
243	The realized niche of adult neural stem cells. <b>2006</b> , 2, 233-40		13
242	Neuronal-glial interactions in central nervous system neurogenesis: the neural stem cell perspective. <b>2007</b> , 3, 309-23		12
241	Differential regulation of cell proliferation in neurogenic zones in mice lacking cystine transport by xCT. <b>2007</b> , 364, 528-33		15
240	Adult neurogenesis in non-mammalian vertebrates. <b>2007</b> , 29, 745-57		167
239	Signaling through C5aR is not involved in basal neurogenesis. <b>2007</b> , 85, 2892-7		25
238	Neuronal migration in the adult brain: are we there yet?. <b>2007</b> , 8, 141-51		146
237	Effects of postnatal formaldehyde exposure on pyramidal cell number, volume of cell layer in hippocampus and hemisphere in the rat: a stereological study. <b>2007</b> , 1145, 157-67		23
236	Age-related decrease of striatal neurogenesis is associated with apoptosis of neural precursors and newborn neurons in rat brain after ischemia. <b>2007</b> , 1166, 9-19		32
235	A speculative essay on retinoic acid regulation of neural stem cells in the developing and aging olfactory system. <b>2007</b> , 42, 46-53		27
234	Adult hippocampal neurogenesis and aging. <b>2007</b> , 257, 271-80		105
233	The neural stem cell niche. <b>2008</b> , 331, 211-24		110
232	Subventricular zone-mediated ependyma repair in the adult mammalian brain. <b>2008</b> , 28, 3804-13		85
231	Stem cell review series: role of neurogenesis in age-related memory disorders. <i>Aging Cell</i> , <b>2008</b> , 7, 569-80	9.9	104
230	Aging-related changes in astrocytes in the rat retina: imbalance between cell proliferation and cell death reduces astrocyte availability. <i>Aging Cell</i> , <b>2008</b> , 7, 526-40	9.9	53
229	Mutation in aging mice occurs in diverse cell types that proliferate postmutation. <i>Aging Cell</i> , <b>2008</b> , 7, 667-80	9.9	3
228	Generation recruitment and death of brain cells throughout the life cycle of Sorex shrews (Lipotyphla). <b>2008</b> , 27, 1710-21		41

227	Nicotine-induced fibroblast growth factor-2 restores the age-related decline of precursor cell proliferation in the subventricular zone of rat brain. <b>2008</b> , 1193, 12-24	24
226	The neural stem cell microenvironment. <b>2008</b> ,	10
225	A diacylglycerol lipase-CB2 cannabinoid pathway regulates adult subventricular zone neurogenesis in an age-dependent manner. <b>2008</b> , 38, 526-36	147
224	The rostral migratory stream is a neurogenic niche that predominantly engenders periglomerular cells: in vivo evidence in the adult rat brain. <b>2008</b> , 60, 289-99	26
223	Ischemic stroke and neurogenesis in the subventricular zone. <b>2008</b> , 55, 345-52	128
222	A specialized vascular niche for adult neural stem cells. <b>2008</b> , 3, 279-88	816
221	Intrinsic and extrinsic neuralstem cell treatment of central nervous system injury and disease. 376-394	1
220	Neurogenesis in the aging brain. <b>2007</b> , 2, 605-10	71
219	Telomere shortening in neural stem cells disrupts neuronal differentiation and neuritogenesis. <b>2009</b> , 29, 14394-407	129
218	FoxJ1-dependent gene expression is required for differentiation of radial glia into ependymal cells and a subset of astrocytes in the postnatal brain. <b>2009</b> , 136, 4021-31	167
217	The subependymal zone neurogenic niche: a beating heart in the centre of the brain: how plastic is adult neurogenesis? Opportunities for therapy and questions to be addressed. <b>2009</b> , 132, 2909-21	53
216	Neural stem and progenitor cells retain their potential for proliferation and differentiation into functional neurons despite lower number in aged brain. <b>2009</b> , 29, 4408-19	151
215	Prolonged voluntary wheel-running stimulates neural precursors in the hippocampus and forebrain of adult CD1 mice. <b>2009</b> , 19, 913-27	55
214	Effects of developmental age, brain region, and time in culture on long-term proliferation and multipotency of neural stem cell populations. <b>2009</b> , 517, 333-49	31
213	The FGF-2/FGFRs neurotrophic system promotes neurogenesis in the adult brain. <b>2009</b> , 116, 995-1005	111
212	Stem cells of the adult mammalian brain and their niche. <b>2009</b> , 66, 1057-72	45
211	Age-dependent regenerative responses in the striatum and cortex after hypoxia-ischemia. <b>2009</b> , 29, 342-54	38
210	Effect of neural precursor proliferation level on neurogenesis in rat brain during aging and after focal ischemia. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 299-308	5.6 28

209	Differential evolution of PSA-NCAM expression during aging of the rat telencephalon. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 808-18	5.6	27
208	Abeta(1-42) stimulates adult SVZ neurogenesis through the p75 neurotrophin receptor. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 1975-85	5.6	66
207	Cell migration in the normal and pathological postnatal mammalian brain. <b>2009</b> , 88, 41-63		179
206	The neurobiology of brain and cognitive reserve: mental and physical activity as modulators of brain disorders. <b>2009</b> , 89, 369-82		233
205	Diverse roles of the vasculature within the neural stem cell niche. <b>2009</b> , 4, 879-97		97
204	Comparison of newly generated doublecortin-immunoreactive neuronal progenitors in the main olfactory bulb among variously aged gerbils. <b>2010</b> , 35, 1599-608		5
203	FGF-2/FGFR1 neurotrophic system expression level and its basal activation do not account for the age-dependent decline of precursor cell proliferation in the subventricular zone of rat brain. <b>2010</b> , 1358, 39-45		13
202	Adult hippocampal neurogenesis in aging and Alzheimer's disease. <b>2010</b> , 90, 284-96		40
201	Widespread deficits in adult neurogenesis precede plaque and tangle formation in the 3xTg mouse model of Alzheimer's disease. <b>2010</b> , 32, 905-20		87
200	Disruption of Adult Neurogenesis in the Olfactory Bulb Affects Social Interaction but not Maternal Behavior. <b>2010</b> , 4, 176		68
199	Regeneration of new neurons is preserved in aged vomeronasal epithelia. <b>2010</b> , 30, 15686-94		30
198	Age-induced disruption of selective olfactory bulb synaptic circuits. <b>2010</b> , 107, 15613-8		100
197	EphB signaling controls lineage plasticity of adult neural stem cell niche cells. <b>2010</b> , 7, 730-43		85
196	Perturbed cellular response to brain injury during aging. <b>2011</b> , 10, 71-9		86
195	Lake-front property: a unique germinal niche by the lateral ventricles of the adult brain. <b>2011</b> , 70, 674-86		272
194	Aging of the subventricular zone neural stem cell niche: evidence for quiescence-associated changes between early and mid-adulthood. <b>2011</b> , 173, 135-49		110
193	From hydra regeneration to human brain structural plasticity: a long trip through narrowing roads. <b>2011</b> , 11, 1270-99		34
192	Neurogenesis in humans. <b>2011</b> , 33, 1170-4		60

191	Adult neurogenesis in mammals--a theme with many variations. <b>2011</b> , 34, 930-50		125
190	Stem cell niches and endogenous electric fields in tissue repair. <b>2011</b> , 5, 40-4		16
189	Increased re-entry into cell cycle mitigates age-related neurogenic decline in the murine subventricular zone. <b>2011</b> , 29, 2005-17		23
188	Cytoarchitecture and ultrastructure of neural stem cell niches and neurogenic complexes maintaining adult neurogenesis in the olfactory midbrain of spiny lobsters, <i>Panulirus argus</i> . <b>2011</b> , 519, 2283-319		21
187	Reduction in paracrine Wnt3 factors during aging causes impaired adult neurogenesis. <b>2011</b> , 25, 3570-82		110
186	Midbrain dopamine neurons associated with reward processing innervate the neurogenic subventricular zone. <b>2011</b> , 31, 13078-87		42
185	The galactocerebrosidase enzyme contributes to maintain a functional neurogenic niche during early post-natal CNS development. <b>2012</b> , 21, 4732-50		26
184	Estrogen, neuroprotection and neurogenesis after ischemic stroke. <b>2012</b> , 13, 188-98		23
183	Neural stem cell niches in health and diseases. <b>2012</b> , 18, 1755-83		65
182	Age-dependent changes in the subcallosal zone neurogenesis of mice. <b>2012</b> , 61, 879-84		10
181	Accumulation of resident and peripheral dendritic cells in the aging CNS. <i>Neurobiology of Aging</i> , <b>2012</b> , 33, 681-693.e1	5.6	40
180	Adult neural stem cells bridge their niche. <b>2012</b> , 10, 698-708		262
179	Adult neurogenesis in the short-lived teleost <i>Nothobranchius furzeri</i> : localization of neurogenic niches, molecular characterization and effects of aging. <i>Aging Cell</i> , <b>2012</b> , 11, 241-51	9.9	88
178	Aging brain microenvironment decreases hippocampal neurogenesis through Wnt-mediated survivin signaling. <i>Aging Cell</i> , <b>2012</b> , 11, 542-52	9.9	103
177	Neurogenesis in the adult mammalian brain: how much do we need, how much do we have?. <b>2013</b> , 15, 3-29		15
176	Mammalian target of rapamycin signaling is a key regulator of the transit-amplifying progenitor pool in the adult and aging forebrain. <b>2012</b> , 32, 15012-26		88
175	Stem cell aging and plasticity in the <i>Drosophila</i> nervous system. <b>2012</b> , 6, 108-12		1
174	Regional differences in human ependymal and subventricular zone cytoarchitecture are unchanged in neuropsychiatric disease. <b>2012</b> , 34, 299-309		13

173 Hormones and the Aging Brain. **2012**, 573-594

172 Ablation of neurogenesis attenuates recovery of motor function after focal cerebral ischemia in middle-aged mice. *PLoS ONE*, **2012**, 7, e46326 3.7 45

171 Sildenafil enhances neurogenesis and oligodendrogenesis in ischemic brain of middle-aged mouse. *PLoS ONE*, **2012**, 7, e48141 3.7 50

170 Linking adult olfactory neurogenesis to social behavior. **2012**, 6, 173 30

169 The Role of Neural Stem Cells in Neurorestoration. **2012**,

168 Spatiotemporal changes to the subventricular zone stem cell pool through aging. **2012**, 32, 6947-56 103

167 Age-related proteomic changes in the subventricular zone and their association with neural stem/progenitor cell proliferation. **2012**, 90, 1159-68 13

166 The number of stem cells in the subependymal zone of the adult rodent brain is correlated with the number of ependymal cells and not with the volume of the niche. **2012**, 21, 1090-6 9

165 Chemokines influence the migration and fate of neural precursor cells from the young adult and middle-aged rat subventricular zone. **2012**, 233, 587-94 17

164 Quantitative assessment of new cell proliferation in the dentate gyrus and learning after isoflurane or propofol anesthesia in young and aged rats. **2012**, 1441, 38-46 25

163 Comparison of neurogenesis in the dentate gyrus between the adult and aged gerbil following transient global cerebral ischemia. **2012**, 37, 802-10 17

162 The impact of age on the physical and cellular properties of the human limbal stem cell niche. **2013**, 35, 289-300 45

161 Coenzyme Q10 restores amyloid beta-inhibited proliferation of neural stem cells by activating the PI3K pathway. **2013**, 22, 2112-20 30

160 Determinants of central nervous system adult neurogenesis are sex, hormones, mouse strain, age, and brain region. **2013**, 61, 192-209 26

159 Effects of age and strain on cell proliferation in the mouse rostral migratory stream. *Neurobiology of Aging*, **2013**, 34, 1712.e15-21 5.6 2

158 Postnatal development, maturation and aging in the mouse cochlea and their effects on hair cell regeneration. **2013**, 297, 68-83 32

157 The late response of rat subependymal zone stem and progenitor cells to stroke is restricted to directly affected areas of their niche. **2013**, 248, 387-97 20

156 Aging and neurogenesis in the adult forebrain: what we have learned and where we should go from here. **2013**, 37, 1978-86 48

155	Aging-induced Nrf2-ARE pathway disruption in the subventricular zone drives neurogenic impairment in parkinsonian mice via PI3K-Wnt/ $\beta$ -catenin dysregulation. <b>2013</b> , 33, 1462-85		74
154	The impact of age on oncogenic potential: tumor-initiating cells and the brain microenvironment. <i>Aging Cell</i> , <b>2013</b> , 12, 733-41	9.9	16
153	Notch1 signaling modulates neuronal progenitor activity in the subventricular zone in response to aging and focal ischemia. <i>Aging Cell</i> , <b>2013</b> , 12, 978-87	9.9	44
152	Increased radial glia quiescence, decreased reactivation upon injury and unaltered neuroblast behavior underlie decreased neurogenesis in the aging zebrafish telencephalon. <b>2013</b> , 521, 3099-115		65
151	The generation of oligodendroglial cells is preserved in the rostral migratory stream during aging. <b>2013</b> , 7, 147		37
150	Efectos del estr� sobre los procesos de plasticidad y neurog�esis: una revisi�. <b>2014</b> , 13,		2
149	Phosphorylation of histone H2AX in the mouse brain from development to senescence. <b>2014</b> , 15, 1554-73		19
148	A stress-induced cellular aging model with postnatal neural stem cells. <b>2014</b> , 5, e1116		41
147	TGF-beta signalling in the adult neurogenic niche promotes stem cell quiescence as well as generation of new neurons. <b>2014</b> , 18, 1444-59		79
146	Ventriculomegaly associated with ependymal gliosis and declines in barrier integrity in the aging human and mouse brain. <i>Aging Cell</i> , <b>2014</b> , 13, 340-50	9.9	31
145	Age-related changes in astrocytic and ependymal cells of the subventricular zone. <b>2014</b> , 62, 790-803		62
144	Identification of LRRC8 heteromers as an essential component of the volume-regulated anion channel VRAC. <b>2014</b> , 344, 634-8		364
143	Aging in the olfactory system. <b>2014</b> , 37, 77-84		81
142	Neurogenesis as an adaptive function of the adult brain. <b>2014</b> , 4, 86-100		6
141	Age-related changes in stem cell dynamics, neurogenesis, apoptosis, and gliosis in the adult brain: a novel teleost fish model of negligible senescence. <b>2014</b> , 74, 514-30		25
140	Wnt signaling in neuropsychiatric disorders: ties with adult hippocampal neurogenesis and behavior. <b>2014</b> , 47, 369-83		50
139	Alteration of olfactory perceptual learning and its cellular basis in aged mice. <i>Neurobiology of Aging</i> , <b>2014</b> , 35, 680-91	5.6	22
138	Age-related impairment of olfactory bulb neurogenesis in the Ts65Dn mouse model of Down syndrome. <b>2014</b> , 251, 1-11		15

137	Vascular and neurogenic rejuvenation of the aging mouse brain by young systemic factors. <b>2014</b> , 344, 630-4			655
136	Adult Neurogenesis in the Subventricular Zone and Migration to the Olfactory Bulb. <b>2015</b> , 183-208			4
135	3D Modeling of the Lateral Ventricles and Histological Characterization of Periventricular Tissue in Humans and Mouse. <b>2015</b> , e52328			11
134	The aged brain: genesis and fate of residual progenitor cells in the subventricular zone. <b>2015</b> , 9, 365			54
133	Potential of Neural Stem Cell-Based Therapy for Parkinson's Disease. <b>2015</b> , 2015, 571475			20
132	Regulation of the p19(Arf)/p53 pathway by histone acetylation underlies neural stem cell behavior in senescence-prone SAMP8 mice. <i>Aging Cell</i> , <b>2015</b> , 14, 453-62	9.9		17
131	The Role of the Microenvironmental Niche in Declining Stem-Cell Functions Associated with Biological Aging. <b>2015</b> , 5,			31
130	Activity Dependency and Aging in the Regulation of Adult Neurogenesis. <b>2015</b> , 7,			66
129	Inducible expression of noggin selectively expands neural progenitors in the adult SVZ. <b>2015</b> , 14, 79-94			19
128	Forced limb-use enhanced neurogenesis and behavioral recovery after stroke in the aged rats. <b>2015</b> , 286, 316-24			31
127	Adding a spatial dimension to postnatal ventricular-subventricular zone neurogenesis. <b>2015</b> , 142, 2109-20			70
126	MARCKS-dependent mucin clearance and lipid metabolism in ependymal cells are required for maintenance of forebrain homeostasis during aging. <i>Aging Cell</i> , <b>2015</b> , 14, 764-73	9.9		16
125	Decline in Proliferation and Immature Neuron Markers in the Human Subependymal Zone during Aging: Relationship to EGF- and FGF-Related Transcripts. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 274	5.3		32
124	Perinatal Exposure to Glufosinate Ammonium Herbicide Impairs Neurogenesis and Neuroblast Migration through Cytoskeleton Destabilization. <b>2016</b> , 10, 191			16
123	Lipid-laden cells differentially distributed in the aging brain are functionally active and correspond to distinct phenotypes. <b>2016</b> , 6, 23795			54
122	Isolation, culture and analysis of adult subependymal neural stem cells. <b>2016</b> , 91, 28-41			29
121	Neurogenic Niche Microglia Undergo Positional Remodeling and Progressive Activation Contributing to Age-Associated Reductions in Neurogenesis. <b>2016</b> , 25, 542-55			66
120	Control of adult neurogenesis by programmed cell death in the mammalian brain. <b>2016</b> , 9, 43			71



119	Human Neural Stem Cell Aging Is Counteracted by EGlycerylphosphorylethanolamine. <b>2016</b> , 7, 952-63		15
118	Short-term dietary restriction in old zebrafish changes cell senescence mechanisms. <b>2016</b> , 334, 64-75		35
117	Reduced Nrf2 expression mediates the decline in neural stem cell function during a critical middle-age period. <i>Aging Cell</i> , <b>2016</b> , 15, 725-36	9.9	54
116	Neural stem cell heterogeneity through time and space in the ventricular-subventricular zone. <b>2016</b> , 11, 261-284		20
115	In vivo sensitivity of the embryonic and adult neural stem cell compartments to low-dose radiation. <b>2016</b> , 57 Suppl 1, i2-i10		17
114	EphA4 Regulates Neuroblast and Astrocyte Organization in a Neurogenic Niche. <b>2017</b> , 37, 3331-3341		21
113	Developmental aspects of senescence. <b>2017</b> , 48, 93-105		3
112	Physical exercise rescues defective neural stem cells and neurogenesis in the adult subventricular zone of Btg1 knockout mice. <b>2017</b> , 222, 2855-2876		23
111	Neurogenesis in the aging brain. <b>2017</b> , 141, 77-85		79
110	Methylene Blue (Tetramethylthionine Chloride) Influences the Mobility of Adult Neural Stem Cells: A Potentially Novel Therapeutic Mechanism of a Therapeutic Approach in the Treatment of Alzheimer's Disease. <b>2017</b> , 57, 531-540		5
109	Neurogenesis upregulation on the healthy hemisphere after stroke enhances compensation for age-dependent decrease of basal neurogenesis. <b>2017</b> , 99, 47-57		27
108	Parvalbumin-expressing ependymal cells in rostral lateral ventricle wall adhesions contribute to aging-related ventricle stenosis in mice. <b>2017</b> , 525, 3266-3285		6
107	Vascular niche contribution to age-associated neural stem cell dysfunction. <b>2017</b> , 313, H896-H902		9
106	A simulation model of neuroprogenitor proliferation dynamics predicts age-related loss of hippocampal neurogenesis but not astrogenesis. <b>2017</b> , 7, 16528		14
105	Non-monotonic Changes in Progenitor Cell Behavior and Gene Expression during Aging of the Adult V-SVZ Neural Stem Cell Niche. <i>Stem Cell Reports</i> , <b>2017</b> , 9, 1931-1947	8	28
104	Wnts Are Expressed in the Ependymal Region of the Adult Spinal Cord. <b>2017</b> , 54, 6342-6355		11
103	Development and aging of a brain neural stem cell niche. <b>2017</b> , 94, 9-13		29
102	Thymosin $\beta$ for the treatment of acute stroke in aged rats. <b>2017</b> , 659, 7-13		13

101	Neuronal Stem Cell Niches of the Brain. <b>2017</b> , 75-91		2
100	Pharmacogenomic identification of small molecules for lineage specific manipulation of subventricular zone germinal activity. <b>2017</b> , 15, e2000698		31
99	Candesartan Restores the Amyloid Beta-Inhibited Proliferation of Neural Stem Cells by Activating the Phosphatidylinositol 3-Kinase Pathway. <b>2017</b> , 16, 64-71		2
98	Molecular profiling of aged neural progenitors identifies Dbx2 as a candidate regulator of age-associated neurogenic decline. <i>Aging Cell</i> , <b>2018</b> , 17, e12745	9.9	19
97	Neural Stem Cell Grafts Promote Astroglia-Driven Neurorestoration in the Aged Parkinsonian Brain via Wnt/ $\beta$ Catenin Signaling. <b>2018</b> , 36, 1179-1197		27
96	Layer-specific lipid signatures in the human subventricular zone demonstrated by imaging mass spectrometry. <b>2018</b> , 8, 2551		14
95	Stem Cells to Function. <b>2018</b> , 99-132		
94	Synaptic Regulator $\beta$ Synuclein in Dopaminergic Fibers Is Essentially Required for the Maintenance of Subependymal Neural Stem Cells. <b>2018</b> , 38, 814-825		14
93	Development of Neural Stem Cell-Based Therapies for Parkinson's Disease. <b>2018</b> ,		
92	Zebrafish-A Model Organism for Studying the Neurobiological Mechanisms Underlying Cognitive Brain Aging and Use of Potential Interventions. <i>Frontiers in Cell and Developmental Biology</i> , <b>2018</b> , 6, 135	5.7	20
91	Increasing Neural Stem Cell Division Asymmetry and Quiescence Are Predicted to Contribute to the Age-Related Decline in Neurogenesis. <b>2018</b> , 25, 3231-3240.e8		19
90	Cellular, Molecular and Non-Pharmacological Therapeutic Advances for the Treatment of Parkinson's Disease: Separating Hope from Hype. <b>2018</b> , 18, 206-224		1
89	Characterization of the ventricular-subventricular stem cell niche during human brain development. <b>2018</b> , 145,		20
88	Thymosin $\beta$ 4 for the treatment of acute stroke: neurorestorative or neuroprotective?. <b>2018</b> , 18, 149-158		9
87	Sex Steroids and Adult Neurogenesis in the Ventricular-Subventricular Zone. <b>2018</b> , 9, 156		16
86	"Till Death Do Us Part": A Potential Irreversible Link Between Aberrant Cell Cycle Control and Neurodegeneration in the Adult Olfactory Bulb. <b>2018</b> , 12, 144		8
85	Neural stem cell heterogeneity in the mammalian forebrain. <b>2018</b> , 170, 2-36		10
84	Neural Stem Cell Regulation by Adhesion Molecules Within the Subependymal Niche. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 102	5.7	15

83	Single-cell analysis reveals T cell infiltration in old neurogenic niches. <b>2019</b> , 571, 205-210	161
82	Functions of subventricular zone neural precursor cells in stroke recovery. <b>2019</b> , 376, 112209	4
81	Age- and sex-dependent effects of metformin on neural precursor cells and cognitive recovery in a model of neonatal stroke. <b>2019</b> , 5, eaax1912	27
80	Lineage Tracing and Cell Potential of Postnatal Single Progenitor Cells In Vivo. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 700-712	8 15
79	Physiological Interactions between Microglia and Neural Stem Cells in the Adult Subependymal Niche. <b>2019</b> , 405, 77-91	8
78	Primary cilium and brain aging: role in neural stem cells, neurodegenerative diseases and glioblastoma. <b>2019</b> , 52, 53-63	16
77	Adult Neurogenesis and Stress. <b>2019</b> , 79-92	1
76	Molecular Mechanisms of Neurogenic Aging in the Adult Mouse Subventricular Zone. <b>2019</b> , 13, 1179069519829040	19
75	TET3 prevents terminal differentiation of adult NSCs by a non-catalytic action at Snrpn. <b>2019</b> , 10, 1726	17
74	Adult Neurogenesis in Health and Disease. <b>2019</b> , 183-219	
73	Chemosensory Function during Neurologically Healthy Aging. <b>2019</b> , 68-94	0
72	A Flow Cytometry-Based Approach for the Isolation and Characterization of Neural Stem Cell Primary Cilia. <b>2018</b> , 12, 519	5
71	Astrocytes. <b>2019</b> ,	
70	Investigating Age-Related Changes in Proliferation and the Cell Division Repertoire of Parenchymal Reactive Astrocytes. <b>2019</b> , 1938, 277-292	4
69	Age-related changes in Ki-67 and DCX expression in the BALB/ c mouse (Mus Musculus) brain. <b>2019</b> , 72, 36-47	3
68	Directed glial differentiation and transdifferentiation for neural tissue regeneration. <b>2019</b> , 319, 112813	11
67	The need to incorporate aged animals into the preclinical modeling of neurological conditions. <b>2020</b> , 109, 114-128	23
66	Rejuvenating subventricular zone neurogenesis in the aging brain. <b>2020</b> , 50, 1-8	12

65	Aging and Rejuvenation of Neural Stem Cells and Their Niches. <b>2020</b> , 27, 202-223		31
64	Mechanisms of enhanced quiescence in neural stem cell aging. <b>2020</b> , 191, 111323		8
63	Methylmercury Impact on Adult Neurogenesis: Is the Worst Yet to Come From Recent Brazilian Environmental Disasters?. <i>Frontiers in Aging Neuroscience</i> , <b>2020</b> , 12, 591601	5.3	7
62	Neuroinflammation and Neurogenesis in Alzheimer's Disease and Potential Therapeutic Approaches. <b>2020</b> , 21,		40
61	Differentiation Drives Widespread Rewiring of the Neural Stem Cell Chaperone Network. <b>2020</b> , 78, 329-345.e932		
60	Diving into the streams and waves of constitutive and regenerative olfactory neurogenesis: insights from zebrafish. <b>2021</b> , 383, 227-253		6
59	Effects of caloric restriction on the antagonistic and integrative hallmarks of aging. <b>2021</b> , 66, 101228		5
58	Neuroinflammation and aging. <b>2021</b> , 139-151		
57	PINK1 deficiency impairs adult neurogenesis of dopaminergic neurons. <b>2021</b> , 11, 6617		10
56	Chromatin accessibility dynamics of neurogenic niche cells reveal a reversible decline in neural stem cell migration during aging.		
55	Manipulation of EGFR-Induced Signaling for the Recruitment of Quiescent Neural Stem Cells in the Adult Mouse Forebrain. <b>2021</b> , 15, 621076		6
54	A Brief Review on Erythropoietin and Mesenchymal Stem Cell Therapies for Paediatric Neurological Disorders. <b>2021</b> , 7, 95-107		
53	Vascular Senescence: A Potential Bridge Between Physiological Aging and Neurogenic Decline. <b>2021</b> , 15, 666881		4
52	3D Image Analysis of the Complete Ventricular-Subventricular Zone Stem Cell Niche Reveals Significant Vasculature Changes and Progenitor Deficits in Males Versus Females with Aging. <i>Stem Cell Reports</i> , <b>2021</b> , 16, 836-850	8	1
51	Neural Stem Cells for Early Ischemic Stroke. <b>2021</b> , 22,		8
50	Association of Caspase 3 Activation and H2AX Phosphorylation in the Aging Brain: Studies on Untreated and Irradiated Mice. <b>2021</b> , 9,		2
49	Heterogeneity of Neural Stem Cells in the Ventricular-Subventricular Zone. <b>2019</b> , 1169, 1-30		2
48	The adult human subventricular zone: partial ependymal coverage and proliferative capacity of cerebrospinal fluid. <b>2020</b> , 2, fcaa150		4

47	Changing and stable chromatin accessibility supports transcriptional overhaul during neural stem cell activation.		0
46	Docosahexaenoic Acid has stem cell-specific effects in the SVZ and restores olfactory neurogenesis and function in the aging brain.		1
45	Parkinson's disease, aging and adult neurogenesis: Wnt/ $\beta$ -catenin signalling as the key to unlock the mystery of endogenous brain repair. <i>Aging Cell</i> , <b>2020</b> , 19, e13101	9.9	43
44	Genesis of neuronal and glial progenitors in the cerebellar cortex of peripuberal and adult rabbits. <i>PLoS ONE</i> , <b>2008</b> , 3, e2366	3.7	87
43	The molecular profiles of neural stem cell niche in the adult subventricular zone. <i>PLoS ONE</i> , <b>2012</b> , 7, e50591	5.9	42
42	Neurogenic Effects of Cell-Free Extracts of Adipose Stem Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148691	3.7	6
41	Calorie restriction protects neural stem cells from age-related deficits in the subventricular zone. <i>Aging</i> , <b>2019</b> , 11, 115-126	5.6	24
40	Prospects for regeneration therapy with stem cells. <i>Inflammation and Regeneration</i> , <b>2012</b> , 32, 008-015	10.9	0
39	Genetic targeting of neurogenic precursors in the adult forebrain ventricular epithelium. <i>Life Science Alliance</i> , <b>2020</b> , 3,	5.8	1
38	Cell-intrinsic signals that regulate adult neurogenesis in vivo: insights from inducible approaches. <i>BMB Reports</i> , <b>2009</b> , 42, 245-59	5.5	51
37	Optimal Extracellular Matrix Niches for Neurogenesis: Identifying Glycosaminoglycan Chain Composition in the Subventricular Neurogenic Zone. <i>Frontiers in Neuroanatomy</i> , <b>2021</b> , 15, 764458	3.6	3
36	Changing and stable chromatin accessibility supports transcriptional overhaul during neural stem cell activation and is altered with age. <i>Aging Cell</i> , <b>2021</b> , 20, e13499	9.9	1
35	Neurobiology of Postischemic Recuperation in the Aged Mammalian Brain. <b>2009</b> , 403-451		
34	Roles of Innate Immunity and Inflammation in the Aging Brain. <i>Oxidative Stress and Disease</i> , <b>2011</b> ,		
33	Subtle Changes in Clonal Dynamics Underlie the Age-Related Decline in Neurogenesis.		
32	Aging of the ventricular-subventricular zone neural stem cell niche. <i>Advances in Stem Cells and Their Niches</i> , <b>2020</b> , 99-125	0.2	0
31	Differentiation drives widespread rewiring of the neural stem cell chaperone network.		1
30	Evaluating the beneficial effects of dietary restrictions: A framework for precision nutrigenoscience. <i>Cell Metabolism</i> , <b>2021</b> , 33, 2142-2173	24.6	8

29	Aging of the subventricular zone neural stem cell niche. <b>2011</b> , 2, 49-63		35
28	Aging, neurogenesis, and caloric restriction in different model organisms. <b>2013</b> , 4, 221-32		12
27	The Phosphorylated Form of the Histone H2AX (H2AX) in the Brain from Embryonic Life to Old Age. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
26	In vitro and in vivo CRISPR-Cas9 screens reveal drivers of aging in neural stem cells of the brain.		0
25	Replenishing the Aged Brains: Targeting Oligodendrocytes and Myelination?. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 760200	5.3	0
24	Parkinson's disease: Present and future of cell therapy. <i>Neurology Perspectives</i> , <b>2022</b> , 2, S58-S68		1
23	4D imaging analysis of the aging mouse neural stem cell niche reveals a dramatic loss of progenitor cell dynamism regulated by the RHO-ROCK pathway.. <i>Stem Cell Reports</i> , <b>2022</b> ,	8	0
22	Multifactoriality of Parkinson's Disease as Explored Through Human Neural Stem Cells and Their Transplantation in Middle-Aged Parkinsonian Mice.. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 773925	5.6	0
21	The Subventricular Zone in Glioblastoma: Genesis, Maintenance, and Modeling.. <i>Frontiers in Oncology</i> , <b>2022</b> , 12, 790976	5.3	1
20	Assessing the Role of Ependymal and Vascular Cells as Sources of Extracellular Cues Regulating the Mouse Ventricular-Subventricular Zone Neurogenic Niche.. <i>Frontiers in Cell and Developmental Biology</i> , <b>2022</b> , 10, 845567	5.7	0
19	12 months is a pivotal age for olfactory perceptual learning and its underlying neuronal plasticity in aging mice.. <i>Neurobiology of Aging</i> , <b>2022</b> , 114, 73-83	5.6	
18	Regional Development of Glioblastoma: The Anatomical Conundrum of Cancer Biology and Its Surgical Implication.. <i>Cells</i> , <b>2022</b> , 11,	7.9	2
17	Image_1.TIF. <b>2019</b> ,		
16	Image_2.TIF. <b>2019</b> ,		
15	Table_1.DOCX. <b>2019</b> ,		
14	Table_2.DOCX. <b>2019</b> ,		
13	Aging entails distinct requirements for Rb at maintaining adult neurogenesis. <i>Aging Brain</i> , <b>2022</b> , 2, 100041		0
12	Subventricular zone cytotogenesis provides trophic support for neural repair.		

11	Targeting Adult Neurogenesis for Brain Recovery After Stroke: The Next Frontier in Stroke Medicine. <b>2022</b> , 1-30		
10	Dietary regulation in health and disease. <i>Signal Transduction and Targeted Therapy</i> , <b>2022</b> , 7,	21	3
9	Aged microglia promote peripheral T cell infiltration by reprogramming the microenvironment of neurogenic niches. <i>Immunity and Ageing</i> , <b>2022</b> , 19,	9.7	0
8	Optimized N-methyl-D-aspartate receptor antagonist exhibits hippocampal proneurogenic effects in aged senescence-accelerated mouse prone 8 mice. <b>2022</b> , 33, 623-628		0
7	Current Understanding of the Neural Stem Cell Niches. <b>2022</b> , 11, 3002		0
6	Dimethyl Fumarate Alleviates Adult Neurogenesis Disruption in Hippocampus and Olfactory Bulb and Spatial Cognitive Deficits Induced by Intracerebroventricular Streptozotocin Injection in Young and Aged Rats. <b>2022</b> , 23, 15449		0
5	Epigenetic aging in adult neurogenesis.		2
4	Increased oligodendrogenesis and myelination in the subventricular zone of aged mice and gray mouse lemurs. <b>2023</b> ,		0
3	Radial stem astrocytes (aka neural stem cells): Identity, development, physio-pathology, and therapeutic potential.		0
2	Effect of high fat diet on maternal behavior, brain-derived neurotrophic factor and neural stem cell proliferation in mice expressing human placental lactogen during pregnancy.		0
1	The Multifaceted Role of WNT Signaling in Alzheimer's Disease Onset and Age-Related Progression. <b>2023</b> , 12, 1204		0