

Zaal G Kokaia

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167
papers

20,852
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71
h-index

144
g-index

173
ext. papers

22,510
ext. citations

7.4
avg, IF

6.63
L-index

#	Paper	IF	Citations
167	Neuronal replacement from endogenous precursors in the adult brain after stroke. <i>Nature Medicine</i> , 2002 , 8, 963-70	50.5	2332
166	Inflammation is detrimental for neurogenesis in adult brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13632-7	11.5	1207
165	Stem cell therapy for human neurodegenerative disorders-how to make it work. <i>Nature Medicine</i> , 2004 , 10 Suppl, S42-50	50.5	731
164	Apoptosis and proliferation of dentate gyrus neurons after single and intermittent limbic seizures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 10432-7	11.5	678
163	Stem cells for the treatment of neurological disorders. <i>Nature</i> , 2006 , 441, 1094-6	50.4	651
162	Brain inflammation and adult neurogenesis: the dual role of microglia. <i>Neuroscience</i> , 2009 , 158, 1021-9	3.9	589
161	Persistent production of neurons from adult brain stem cells during recovery after stroke. <i>Stem Cells</i> , 2006 , 24, 739-47	5.8	589
160	Increased levels of messenger RNAs for neurotrophic factors in the brain during kindling epileptogenesis. <i>Neuron</i> , 1991 , 7, 165-76	13.9	564
159	Neurotrophins and brain insults. <i>Trends in Neurosciences</i> , 1994 , 17, 490-6	13.3	478
158	Stem cells in human neurodegenerative disorders--time for clinical translation?. <i>Journal of Clinical Investigation</i> , 2010 , 120, 29-40	15.9	458
157	Differential regulation of mRNAs for nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 in the adult rat brain following cerebral ischemia and hypoglycemic coma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 648-52	11.5	452
156	BDNF-induced TrkB activation down-regulates the K ⁺ -Cl ⁻ cotransporter KCC2 and impairs neuronal Cl ⁻ extrusion. <i>Journal of Cell Biology</i> , 2002 , 159, 747-52	7.3	398
155	Tumor necrosis factor receptor 1 is a negative regulator of progenitor proliferation in adult hippocampal neurogenesis. <i>Journal of Neuroscience</i> , 2006 , 26, 9703-12	6.6	373
154	Increased production of the TrkB protein tyrosine kinase receptor after brain insults. <i>Neuron</i> , 1993 , 10, 151-64	13.9	366
153	Forebrain ependymal cells are Notch-dependent and generate neuroblasts and astrocytes after stroke. <i>Nature Neuroscience</i> , 2009 , 12, 259-67	25.5	348
152	Long-term neuroblast migration along blood vessels in an area with transient angiogenesis and increased vascularization after stroke. <i>Stroke</i> , 2007 , 38, 3032-9	6.7	321
151	Neurogenesis after ischaemic brain insults. <i>Current Opinion in Neurobiology</i> , 2003 , 13, 127-32	7.6	304

150	Long-term accumulation of microglia with proneurogenic phenotype concomitant with persistent neurogenesis in adult subventricular zone after stroke. <i>Glia</i> , 2009 , 57, 835-49	9	280
149	A latent neurogenic program in astrocytes regulated by Notch signaling in the mouse. <i>Science</i> , 2014 , 346, 237-41	33.3	275
148	The endocannabinoid system drives neural progenitor proliferation. <i>FASEB Journal</i> , 2005 , 19, 1704-6	0.9	257
147	Long-Term Neuroblast Migration Along Blood Vessels in an Area With Transient Angiogenesis and Increased Vascularization After Stroke. <i>Stroke</i> , 2007 , 38, 3032-3039	6.7	253
146	N-methyl-D-aspartate receptor-mediated increase of neurogenesis in adult rat dentate gyrus following stroke. <i>European Journal of Neuroscience</i> , 2001 , 14, 10-8	3.5	252
145	Cross-talk between neural stem cells and immune cells: the key to better brain repair?. <i>Nature Neuroscience</i> , 2012 , 15, 1078-87	25.5	245
144	Human-induced pluripotent stem cells form functional neurons and improve recovery after grafting in stroke-damaged brain. <i>Stem Cells</i> , 2012 , 30, 1120-33	5.8	226
143	Coexpression of neurotrophins and their receptors in neurons of the central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 6711-5	11.5	221
142	Suppressed epileptogenesis in BDNF mutant mice. <i>Experimental Neurology</i> , 1995 , 133, 215-24	5.7	216
141	Environment matters: synaptic properties of neurons born in the epileptic adult brain develop to reduce excitability. <i>Neuron</i> , 2006 , 52, 1047-59	13.9	211
140	Regulation of brain-derived neurotrophic factor gene expression after transient middle cerebral artery occlusion with and without brain damage. <i>Experimental Neurology</i> , 1995 , 136, 73-88	5.7	211
139	Stroke-induced neurogenesis in aged brain. <i>Stroke</i> , 2005 , 36, 1790-5	6.7	203
138	Monocyte-Derived Macrophages Contribute to Spontaneous Long-Term Functional Recovery after Stroke in Mice. <i>Journal of Neuroscience</i> , 2016 , 36, 4182-95	6.6	195
137	The endocannabinoid system promotes astroglial differentiation by acting on neural progenitor cells. <i>Journal of Neuroscience</i> , 2006 , 26, 1551-61	6.6	187
136	Regulation of neurotrophin and trkA, trkB and trkC tyrosine kinase receptor messenger RNA expression in kindling. <i>Neuroscience</i> , 1993 , 53, 433-46	3.9	183
135	Human induced pluripotent stem cell-derived cortical neurons integrate in stroke-injured cortex and improve functional recovery. <i>Brain</i> , 2013 , 136, 3561-77	11.2	178
134	Intracerebral infusion of glial cell line-derived neurotrophic factor promotes striatal neurogenesis after stroke in adult rats. <i>Stroke</i> , 2006 , 37, 2361-7	6.7	168
133	Prospects of stem cell therapy for replacing dopamine neurons in Parkinson's disease. <i>Trends in Pharmacological Sciences</i> , 2009 , 30, 260-7	13.2	157

132	Survival, migration and neuronal differentiation of human fetal striatal and cortical neural stem cells grafted in stroke-damaged rat striatum. <i>European Journal of Neuroscience</i> , 2007 , 26, 605-14	3.5	152
131	Neural stem and progenitor cells retain their potential for proliferation and differentiation into functional neurons despite lower number in aged brain. <i>Journal of Neuroscience</i> , 2009 , 29, 4408-19	6.6	151
130	Stem cell research in stroke: how far from the clinic?. <i>Stroke</i> , 2011 , 42, 2369-75	6.7	147
129	Microglia-derived tumor necrosis factor-alpha exaggerates death of newborn hippocampal progenitor cells in vitro. <i>Journal of Neuroscience Research</i> , 2005 , 80, 789-97	4.4	147
128	Cell number and timing of transplantation determine survival of human neural stem cell grafts in stroke-damaged rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 235-42	7.3	139
127	Neurogenesis following Stroke Affecting the Adult Brain. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7,	10.2	135
126	BDNF regulates reelin expression and Cajal-Retzius cell development in the cerebral cortex. <i>Neuron</i> , 1998 , 21, 305-15	13.9	135
125	MANF is widely expressed in mammalian tissues and differently regulated after ischemic and epileptic insults in rodent brain. <i>Molecular and Cellular Neurosciences</i> , 2008 , 39, 356-71	4.8	126
124	Inflammation regulates functional integration of neurons born in adult brain. <i>Journal of Neuroscience</i> , 2008 , 28, 12477-88	6.6	121
123	Rapid alterations of BDNF protein levels in the rat brain after focal ischemia: evidence for increased synthesis and anterograde axonal transport. <i>Experimental Neurology</i> , 1998 , 154, 289-301	5.7	115
122	The response of the aged brain to stroke: too much, too soon?. <i>Current Neurovascular Research</i> , 2007 , 4, 216-27	1.8	112
121	Evidence for neuroprotective effects of endogenous brain-derived neurotrophic factor after global forebrain ischemia in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999 , 19, 1220-8	7.3	108
120	Brain insults in rats induce increased expression of the BDNF gene through differential use of multiple promoters. <i>European Journal of Neuroscience</i> , 1994 , 6, 587-96	3.5	105
119	Rapid increase of BDNF mRNA levels in cortical neurons following spreading depression: regulation by glutamatergic mechanisms independent of seizure activity. <i>Molecular Brain Research</i> , 1993 , 19, 277-86		104
118	Focal cerebral ischemia in rats induces expression of P75 neurotrophin receptor in resistant striatal cholinergic neurons. <i>Neuroscience</i> , 1998 , 84, 1113-25	3.9	98
117	Suppressed kindling epileptogenesis in mice with ectopic overexpression of galanin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 14006-11	11.5	97
116	Dynamic changes of brain-derived neurotrophic factor protein levels in the rat forebrain after single and recurring kindling-induced seizures. <i>Neuroscience</i> , 1998 , 83, 351-62	3.9	96
115	GDNF family ligands and receptors are differentially regulated after brain insults in the rat. <i>European Journal of Neuroscience</i> , 1999 , 11, 1202-16	3.5	92

114	Grafted human neural stem cells enhance several steps of endogenous neurogenesis and improve behavioral recovery after middle cerebral artery occlusion in rats. <i>Neurobiology of Disease</i> , 2013 , 52, 1912-1923	7.5	90
113	The age and genomic integrity of neurons after cortical stroke in humans. <i>Nature Neuroscience</i> , 2014 , 17, 801-3	25.5	88
112	Perturbed cellular response to brain injury during aging. <i>Ageing Research Reviews</i> , 2011 , 10, 71-9	12	86
111	Human fetal cortical and striatal neural stem cells generate region-specific neurons in vitro and differentiate extensively to neurons after intrastriatal transplantation in neonatal rats. <i>Journal of Neuroscience Research</i> , 2006 , 84, 1630-44	4.4	86
110	Emerging concepts in neural stem cell research: autologous repair and cell-based disease modelling. <i>Lancet Neurology</i> , 2009 , 8, 819-29	24.1	85
109	Stereological assessment of vulnerability of immunocytochemically identified striatal and hippocampal neurons after global cerebral ischemia in rats. <i>Brain Research</i> , 2001 , 913, 117-32	3.7	84
108	Differential regulation of N-methyl-D-aspartate receptor subunit messenger RNAs in kindling-induced epileptogenesis. <i>Neuroscience</i> , 1993 , 57, 307-18	3.9	84
107	Suppression of stroke-induced progenitor proliferation in adult subventricular zone by tumor necrosis factor receptor 1. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 1574-87	7.3	82
106	Protective effects of BDNF and NT-3 but not PDGF against hypoglycemic injury to cultured striatal neurons. <i>Experimental Neurology</i> , 1995 , 131, 1-10	5.7	82
105	Regional brain-derived neurotrophic factor mRNA and protein levels following transient forebrain ischemia in the rat. <i>Molecular Brain Research</i> , 1996 , 38, 139-44		81
104	Widespread increase of nerve growth factor protein in the rat forebrain after kindling-induced seizures. <i>Brain Research</i> , 1992 , 587, 338-42	3.7	81
103	Recovery and rehabilitation in stroke: stem cells. <i>Stroke</i> , 2004 , 35, 2691-4	6.7	78
102	Synaptic inputs from stroke-injured brain to grafted human stem cell-derived neurons activated by sensory stimuli. <i>Brain</i> , 2017 , 140, 692-706	11.2	77
101	Regulation of stroke-induced neurogenesis in adult brain--recent scientific progress. <i>Cerebral Cortex</i> , 2006 , 16 Suppl 1, i162-7	5.1	74
100	TNF-alpha antibody infusion impairs survival of stroke-generated neuroblasts in adult rat brain. <i>Experimental Neurology</i> , 2005 , 196, 204-8	5.7	73
99	Quantitative analysis of the generation of different striatal neuronal subtypes in the adult brain following excitotoxic injury. <i>Experimental Neurology</i> , 2005 , 195, 71-80	5.7	72
98	Neuropathological and behavioral consequences of adeno-associated viral vector-mediated continuous intrastriatal neurotrophin delivery in a focal ischemia model in rats. <i>Neurobiology of Disease</i> , 2002 , 9, 187-204	7.5	71
97	Delayed kindling development after rapidly recurring seizures: relation to mossy fiber sprouting and neurotrophin, GAP-43 and dynorphin gene expression. <i>Brain Research</i> , 1996 , 712, 19-34	3.7	69

96	Biphasic differential changes of GABAA receptor subunit mRNA levels in dentate gyrus granule cells following recurrent kindling-induced seizures. <i>Molecular Brain Research</i> , 1994 , 23, 323-32		68
95	Ultrastructural and antigenic properties of neural stem cells and their progeny in adult rat subventricular zone. <i>Glia</i> , 2009 , 57, 136-52	9	65
94	Suppression of insult-induced neurogenesis in adult rat brain by brain-derived neurotrophic factor. <i>Experimental Neurology</i> , 2002 , 177, 1-8	5.7	64
93	Stroke induces widespread changes of gene expression for glial cell line-derived neurotrophic factor family receptors in the adult rat brain. <i>Neuroscience</i> , 2001 , 106, 27-41	3.9	63
92	Seizure suppression in kindling epilepsy by intracerebral implants of GABA- but not by noradrenaline-releasing polymer matrices. <i>Experimental Brain Research</i> , 1994 , 100, 385-94	2.3	61
91	Enriched environment influences brain-derived neurotrophic factor levels in rat forebrain after focal stroke. <i>Neuroscience Letters</i> , 2001 , 305, 169-72	3.3	60
90	Differential regulation of mRNAs for neuropeptide Y and its receptor subtypes in widespread areas of the rat limbic system during kindling epileptogenesis. <i>Molecular Brain Research</i> , 1999 , 72, 17-29		59
89	Suppression of limbic motor seizures by electrical stimulation in thalamic reticular nucleus. <i>Experimental Neurology</i> , 2003 , 181, 224-30	5.7	55
88	Human induced pluripotent stem cells improve recovery in stroke-injured aged rats. <i>Restorative Neurology and Neuroscience</i> , 2014 , 32, 547-58	2.8	54
87	Immunolesioning of basal forebrain cholinergic neurons facilitates hippocampal kindling and perturbs neurotrophin messenger RNA regulation. <i>Neuroscience</i> , 1996 , 70, 313-27	3.9	52
86	Mossy fibre sprouting: evidence against a facilitatory role in epileptogenesis. <i>NeuroReport</i> , 1997 , 8, 1193-6		49
85	BDNF makes cultured dentate granule cells more resistant to hypoglycaemic damage. <i>NeuroReport</i> , 1994 , 5, 1241-4	1.7	49
84	Functional integration of new hippocampal neurons following insults to the adult brain is determined by characteristics of pathological environment. <i>Experimental Neurology</i> , 2011 , 229, 484-93	5.7	48
83	Suppressed kindling epileptogenesis and perturbed BDNF and TrkB gene regulation in NT-3 mutant mice. <i>Experimental Neurology</i> , 1997 , 145, 93-103	5.7	48
82	Elevated GDNF levels following viral vector-mediated gene transfer can increase neuronal death after stroke in rats. <i>Neurobiology of Disease</i> , 2003 , 14, 542-56	7.5	48
81	Intraventricular infusion of TrkB-Fc fusion protein promotes ischemia-induced neurogenesis in adult rat dentate gyrus. <i>Stroke</i> , 2003 , 34, 2710-5	6.7	47
80	Anterograde delivery of brain-derived neurotrophic factor to striatum via nigral transduction of recombinant adeno-associated virus increases neuronal death but promotes neurogenic response following stroke. <i>European Journal of Neuroscience</i> , 2003 , 17, 2667-78	3.5	46
79	Choroid plexus-cerebrospinal fluid route for monocyte-derived macrophages after stroke. <i>Journal of Neuroinflammation</i> , 2017 , 14, 153	10.1	45

78	Stem Cells as an Emerging Paradigm in Stroke 4: Advancing and Accelerating Preclinical Research. <i>Stroke</i> , 2019 , 50, 3299-3306	6.7	44
77	Seizure-induced differential expression of messenger RNAs for neurotrophins and their receptors in genetically fast and slow kindling rats. <i>Neuroscience</i> , 1996 , 75, 197-207	3.9	43
76	Effects of cholinergic denervation on seizure development and neurotrophin messenger RNA regulation in rapid hippocampal kindling. <i>Neuroscience</i> , 1997 , 80, 389-99	3.9	42
75	Septal cholinergic neurons suppress seizure development in hippocampal kindling in rats: comparison with noradrenergic neurons. <i>Neuroscience</i> , 2001 , 102, 819-32	3.9	41
74	Inflammation without neuronal death triggers striatal neurogenesis comparable to stroke. <i>Neurobiology of Disease</i> , 2015 , 83, 1-15	7.5	40
73	Generation of human cortical neurons from a new immortal fetal neural stem cell line. <i>Experimental Cell Research</i> , 2007 , 313, 588-601	4.2	38
72	Pax6 promotes neurogenesis in human neural stem cells. <i>Molecular and Cellular Neurosciences</i> , 2008 , 38, 616-28	4.8	37
71	Phenotypic and molecular identity of cells in the adult subventricular zone. in vivo and after expansion in vitro. <i>Molecular and Cellular Neurosciences</i> , 2003 , 24, 741-52	4.8	36
70	BDNF gene transfer to the mammalian brain using CNS-derived neural precursors. <i>Gene Therapy</i> , 1999 , 6, 1851-66	4	36
69	Development and persistence of kindling epilepsy are impaired in mice lacking glial cell line-derived neurotrophic factor family receptor alpha 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 12312-7	11.5	35
68	Embryonic stem cell-derived neural stem cells fuse with microglia and mature neurons. <i>Stem Cells</i> , 2012 , 30, 2657-71	5.8	34
67	Isolation and generation of neurosphere cultures from embryonic and adult mouse brain. <i>Methods in Molecular Biology</i> , 2010 , 633, 241-52	1.4	34
66	Murine HSCs contribute actively to native hematopoiesis but with reduced differentiation capacity upon aging. <i>ELife</i> , 2018 , 7,	8.9	34
65	Meteorin is a chemokine factor in neuroblast migration and promotes stroke-induced striatal neurogenesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 387-98	7.3	33
64	Spatio-temporal dynamics, differentiation and viability of human neural stem cells after implantation into neonatal rat brain. <i>European Journal of Neuroscience</i> , 2011 , 34, 382-93	3.5	33
63	Seizures induce widespread upregulation of cystatin B, the gene mutated in progressive myoclonus epilepsy, in rat forebrain neurons. <i>European Journal of Neuroscience</i> , 2000 , 12, 1687-95	3.5	32
62	Upregulation of p75 neurotrophin receptor after stroke in mice does not contribute to differential vulnerability of striatal neurons. <i>Experimental Neurology</i> , 2001 , 169, 351-63	5.7	32
61	Seizure development and noradrenaline release in kindling epilepsy after noradrenergic reinnervation of the subcortically deafferented hippocampus by superior cervical ganglion or fetal locus coeruleus grafts. <i>Experimental Neurology</i> , 1994 , 130, 351-61	5.7	29

60	Direct conversion of human fibroblasts to functional excitatory cortical neurons integrating into human neural networks. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 207	8.3	26
59	Proximity of brain infarcts to regions of endogenous neurogenesis and involvement of striatum in ischaemic stroke. <i>European Journal of Neurology</i> , 2013 , 20, 473-479	6	26
58	Epileptogenesis induced by rapidly recurring seizures in genetically fast- but not slow-kindling rats. <i>Brain Research</i> , 1998 , 789, 1111-7	3.7	25
57	Activity in grafted human iPSC cell-derived cortical neurons integrated in stroke-injured rat brain regulates motor behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9094-9100	11.5	24
56	Human iPSC-Derived Hippocampal Spheroids: An Innovative Tool for Stratifying Alzheimer Disease Patient-Specific Cellular Phenotypes and Developing Therapies. <i>Stem Cell Reports</i> , 2020 , 15, 256-273	8	23
55	Selective depletion of Mac-1-expressing microglia in rat subventricular zone does not alter neurogenic response early after stroke. <i>Experimental Neurology</i> , 2011 , 229, 391-8	5.7	23
54	Changes in GABA(B) receptor immunoreactivity after recurrent seizures in rats. <i>Neuroscience Letters</i> , 2001 , 315, 85-8	3.3	23
53	Stem cell therapy for human brain disorders. <i>Kidney International</i> , 2005 , 68, 1937-9	9.9	22
52	Hyperglycemia and hypercapnia suppress BDNF gene expression in vulnerable regions after transient forebrain ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997 , 17, 1303-8	7.3	21
51	The neuronal ceroid lipofuscinosis Cln8 gene expression is developmentally regulated in mouse brain and up-regulated in the hippocampal kindling model of epilepsy. <i>BMC Neuroscience</i> , 2005 , 6, 27	3.2	21
50	Stem cell repair of striatal ischemia. <i>Progress in Brain Research</i> , 2012 , 201, 35-53	2.9	18
49	Kindling alters entorhinal cortex-hippocampal interaction by increased efficacy of presynaptic GABA(B) autoreceptors in layer III of the entorhinal cortex. <i>Neurobiology of Disease</i> , 2003 , 13, 203-12	7.5	18
48	Specific functions of grafted locus coeruleus neurons in the kindling model of epilepsy. <i>Experimental Neurology</i> , 1993 , 122, 143-54	5.7	18
47	Neural stem cell-based therapy for ischemic stroke. <i>Translational Stroke Research</i> , 2011 , 2, 272-8	7.8	17
46	Regulation of neuronal nitric oxide synthase mRNA levels in rat brain by seizure activity. <i>NeuroReport</i> , 1996 , 7, 1335-9	1.7	17
45	Customized Brain Cells for Stroke Patients Using Pluripotent Stem Cells. <i>Stroke</i> , 2018 , 49, 1091-1098	6.7	16
44	Prostaglandin E2 and BDNF levels in rat hippocampus are negatively correlated with status epilepticus severity: no impact on survival of seizure-generated neurons. <i>Neurobiology of Disease</i> , 2006 , 23, 23-35	7.5	16
43	Co-expression of TrkB and TrkC receptors in CNS neurones suggests regulation by multiple neurotrophins. <i>NeuroReport</i> , 1995 , 6, 769-72	1.7	16

42	Increased FUS levels in astrocytes leads to astrocyte and microglia activation and neuronal death. <i>Scientific Reports</i> , 2019 , 9, 4572	4.9	15
41	Grafted human pluripotent stem cell-derived cortical neurons integrate into adult human cortical neural circuitry. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1365-1377	6.9	15
40	Transplantation of reprogrammed neurons for improved recovery after stroke. <i>Progress in Brain Research</i> , 2017 , 231, 245-263	2.9	14
39	Monocyte depletion early after stroke promotes neurogenesis from endogenous neural stem cells in adult brain. <i>Experimental Neurology</i> , 2017 , 297, 129-137	5.7	13
38	Ectopic ependymal cells in striatum accompany neurogenesis in a rat model of stroke. <i>Neuroscience</i> , 2012 , 214, 159-70	3.9	13
37	Human fetal striatum-derived neural stem (NS) cells differentiate to mature neurons in vitro and in vivo. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 338-46	3.6	13
36	Spontaneous Recovery of Upper Extremity Motor Impairment After Ischemic Stroke: Implications for Stem Cell-Based Therapeutic Approaches. <i>Translational Stroke Research</i> , 2017 , 8, 351-361	7.8	12
35	FoxJ1-expressing cells contribute to neurogenesis in forebrain of adult rats: evidence from in vivo electroporation combined with piggyBac transposon. <i>Experimental Cell Research</i> , 2013 , 319, 2790-800	4.2	12
34	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions. <i>Nature Communications</i> , 2021 , 12, 5501	17.4	12
33	Blocking Notch-Signaling Increases Neurogenesis in the Striatum after Stroke. <i>Cells</i> , 2020 , 9,	7.9	11
32	Attitudes to Stem Cell Therapy Among Ischemic Stroke Survivors in the Lund Stroke Recovery Study. <i>Stem Cells and Development</i> , 2017 , 26, 566-572	4.4	9
31	Generation of cortical neurons from human induced-pluripotent stem cells by biodegradable polymeric microspheres loaded with priming factors. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 025011	3.5	9
30	Transcription factor programming of human ES cells generates functional neurons expressing both upper and deep layer cortical markers. <i>PLoS ONE</i> , 2018 , 13, e0204688	3.7	9
29	Human Neural Stem Cells for Ischemic Stroke Treatment. <i>Results and Problems in Cell Differentiation</i> , 2018 , 66, 249-263	1.4	9
28	New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 623751	5.3	9
27	Stroke alters behavior of human skin-derived neural progenitors after transplantation adjacent to neurogenic area in rat brain. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 59	8.3	8
26	Attenuation of reactive gliosis in stroke-injured mouse brain does not affect neurogenesis from grafted human iPSC-derived neural progenitors. <i>PLoS ONE</i> , 2018 , 13, e0192118	3.7	8
25	Societal value of stem cell therapy in stroke—a modeling study. <i>Cerebrovascular Diseases</i> , 2012 , 33, 532-93.2	9.2	8

24	Adaptor protein LNK is a negative regulator of brain neural stem cell proliferation after stroke. <i>Journal of Neuroscience</i> , 2012 , 32, 5151-64	6.6	8
23	Hypoxia inducible factor-2 α importance for migration, proliferation, and self-renewal of trunk neural crest cells. <i>Developmental Dynamics</i> , 2021 , 250, 191-236	2.9	7
22	In Vitro Functional Characterization of Human Neurons and Astrocytes Using Calcium Imaging and Electrophysiology. <i>Methods in Molecular Biology</i> , 2019 , 1919, 73-88	1.4	6
21	Sensors of Succinate: Neural Stem Cell Grafts Fight Neuroinflammation. <i>Cell Stem Cell</i> , 2018 , 22, 283-285	5.8	5
20	Expression analysis of pluripotency-associated genes in human fetal cortical and striatal neural stem cells during differentiation. <i>Translational Neuroscience</i> , 2012 , 3,	1.2	5
19	Generalization of rapidly recurring seizures is suppressed in mice lacking glial cell line-derived neurotrophic factor family receptor alpha2. <i>Neuroscience</i> , 2003 , 118, 845-52	3.9	4
18	Poly(ester amide) microspheres are efficient vehicles for long-term intracerebral growth factor delivery and improve functional recovery after stroke. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 065020	3.5	4
17	Neuronal Replacement in Stem Cell Therapy for Stroke: Filling the Gap. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 662636	5.7	3
16	mmRNA-Based Transcriptional Programming in Microfluidic Guides hiPSCs Toward Neural Fate With Multiple Identities. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 602888	6.1	3
15	Author response: Murine HSCs contribute actively to native hematopoiesis but with reduced differentiation capacity upon aging 2018 ,		2
14	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions		2
13	Norepinephrine Improves The Generation Of Hematopoietic Cells From Human Pluripotent Stem Cells With Increased Functional Properties. <i>Blood</i> , 2013 , 122, 1179-1179	2.2	1
12	Towards Clinical Application of Stem Cells in Neurodegenerative Disorders. <i>Pancreatic Islet Biology</i> , 2011 , 3-14	0.4	1
11	Neurogenesis from Endogenous Neural Stem Cells After Stroke: A Future Therapeutic Target to Promote Functional Restoration? 2011 , 133-148		1
10	Neurotrophins in Kindling Epilepsy: Neuronal Protection or Induction of Sprouting and Epileptogenesis? 1995 , 417-438		1
9	Human stem cell-derived GABAergic neurons functionally integrate into human neuronal networks. <i>Scientific Reports</i> , 2021 , 11, 22050	4.9	0
8	Stem Cells: How We Could Restore the Brain Function After Ischemic Damage 2015 , 71-80		
7	In situ hybridization histochemistry. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2001 , Chapter 2, Unit 2.7		1

- 6 Seizure suppression in kindling epilepsy by intracerebral implants of GABA- but not by noradrenaline-releasing polymer matrices. *Experimental Brain Research*, **1994**, 79, 385 2.3
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