Zaal G Kokaia

List of Publications by Year in Descending Order

167 papers	20,852 citations	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	Human stem cell-derived GABAergic neurons functionally integrate into human neuronal networks. *Scientific Reports*, **2021**, 11, 22050	4.9	0
166	Neuronal Replacement in Stem Cell Therapy for Stroke: Filling the Gap. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 662636	5.7	3
165	Hypoxia inducible factor-2 importance for migration, proliferation, and self-renewal of trunk neural crest cells. *Developmental Dynamics*, **2021**, 250, 191-236	2.9	7
164	mmRNA-Based Transcriptional Programming in Microfluidic Guides hiPSCs Toward Neural Fate With Multiple Identities. *Frontiers in Cellular Neuroscience*, **2021**, 15, 602888	6.1	3
163	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions. *Nature Communications*, **2021**, 12, 5501	17.4	12
162	New Mechanistic Insights, Novel Treatment Paradigms, and Clinical Progress in Cerebrovascular Diseases. *Frontiers in Aging Neuroscience*, **2021**, 13, 623751	5.3	9
161	SmartFlare is a reliable method for assessing mRNA expression in single neural stem cells.. *World Journal of Stem Cells*, **2021**, 13, 1918-1927	5.6	
160	Activity in grafted human iPS cell-derived cortical neurons integrated in stroke-injured rat brain regulates motor behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 9094-9100	11.5	24
159	Grafted human pluripotent stem cell-derived cortical neurons integrate into adult human cortical neural circuitry. *Stem Cells Translational Medicine*, **2020**, 9, 1365-1377	6.9	15
158	Human iPSC-Derived Hippocampal Spheroids: An Innovative Tool for Stratifying Alzheimer Disease Patient-Specific Cellular Phenotypes and Developing Therapies. *Stem Cell Reports*, **2020**, 15, 256-273	8	23
157	Poly(ester amide) microspheres are efficient vehicles for long-term intracerebral growth factor delivery and improve functional recovery after stroke. *Biomedical Materials (Bristol)*, **2020**, 15, 065020	3.5	4
156	Blocking Notch-Signaling Increases Neurogenesis in the Striatum after Stroke. *Cells*, **2020**, 9,	7.9	11
155	Stem Cells as an Emerging Paradigm in Stroke 4: Advancing and Accelerating Preclinical Research. *Stroke*, **2019**, 50, 3299-3306	6.7	44
154	In Vitro Functional Characterization of Human Neurons and Astrocytes Using Calcium Imaging and Electrophysiology. *Methods in Molecular Biology*, **2019**, 1919, 73-88	1.4	6
153	Increased FUS levels in astrocytes leads to astrocyte and microglia activation and neuronal death. *Scientific Reports*, **2019**, 9, 4572	4.9	15
152	Sensors of Succinate: Neural Stem Cell Grafts Fight Neuroinflammation. *Cell Stem Cell*, **2018**, 22, 283-285	18	5
151	Customized Brain Cells for Stroke Patients Using Pluripotent Stem Cells. *Stroke*, **2018**, 49, 1091-1098	6.7	16

150	Attenuation of reactive gliosis in stroke-injured mouse brain does not affect neurogenesis from grafted human iPSC-derived neural progenitors. *PLoS ONE*, **2018**, 13, e0192118	3.7	8
149	Murine HSCs contribute actively to native hematopoiesis but with reduced differentiation capacity upon aging. *ELife*, **2018**, 7,	8.9	34
148	Author response: Murine HSCs contribute actively to native hematopoiesis but with reduced differentiation capacity upon aging **2018**,		2
147	Transcription factor programming of human ES cells generates functional neurons expressing both upper and deep layer cortical markers. *PLoS ONE*, **2018**, 13, e0204688	3.7	9
146	Human Neural Stem Cells for Ischemic Stroke Treatment. *Results and Problems in Cell Differentiation*, **2018**, 66, 249-263	1.4	9
145	Attitudes to Stem Cell Therapy Among Ischemic Stroke Survivors in the Lund Stroke Recovery Study. *Stem Cells and Development*, **2017**, 26, 566-572	4.4	9
144	Transplantation of reprogrammed neurons for improved recovery after stroke. *Progress in Brain Research*, **2017**, 231, 245-263	2.9	14
143	Spontaneous Recovery of Upper Extremity Motor Impairment After Ischemic Stroke: Implications for Stem Cell-Based Therapeutic Approaches. *Translational Stroke Research*, **2017**, 8, 351-361	7.8	12
142	Stroke alters behavior of human skin-derived neural progenitors after transplantation adjacent to neurogenic area in rat brain. *Stem Cell Research and Therapy*, **2017**, 8, 59	8.3	8
141	Synaptic inputs from stroke-injured brain to grafted human stem cell-derived neurons activated by sensory stimuli. *Brain*, **2017**, 140, 692-706	11.2	77
140	Choroid plexus-cerebrospinal fluid route for monocyte-derived macrophages after stroke. *Journal of Neuroinflammation*, **2017**, 14, 153	10.1	45
139	Direct conversion of human fibroblasts to functional excitatory cortical neurons integrating into human neural networks. *Stem Cell Research and Therapy*, **2017**, 8, 207	8.3	26
138	Monocyte depletion early after stroke promotes neurogenesis from endogenous neural stem cells in adult brain. *Experimental Neurology*, **2017**, 297, 129-137	5.7	13
137	Generation of cortical neurons from human induced-pluripotent stem cells by biodegradable polymeric microspheres loaded with priming factors. *Biomedical Materials (Bristol)*, **2016**, 11, 025011	3.5	9
136	Monocyte-Derived Macrophages Contribute to Spontaneous Long-Term Functional Recovery after Stroke in Mice. *Journal of Neuroscience*, **2016**, 36, 4182-95	6.6	195
135	Stem Cells: How We Could Restore the Brain Function After Ischemic Damage **2015**, 71-80		
134	Inflammation without neuronal death triggers striatal neurogenesis comparable to stroke. *Neurobiology of Disease*, **2015**, 83, 1-15	7.5	40
133	Neurogenesis following Stroke Affecting the Adult Brain. *Cold Spring Harbor Perspectives in Biology*, **2015**, 7,	10.2	135

132	The age and genomic integrity of neurons after cortical stroke in humans. *Nature Neuroscience*, **2014**, 17, 801-3	25.5	88
131	A latent neurogenic program in astrocytes regulated by Notch signaling in the mouse. *Science*, **2014** , 346, 237-41	33.3	275
130	Human induced pluripotent stem cells improve recovery in stroke-injured aged rats. *Restorative Neurology and Neuroscience*, **2014**, 32, 547-58	2.8	54
129	Human fetal striatum-derived neural stem (NS) cells differentiate to mature neurons in vitro and in vivo. *Current Stem Cell Research and Therapy*, **2014**, 9, 338-46	3.6	13
128	FoxJ1-expressing cells contribute to neurogenesis in forebrain of adult rats: evidence from in vivo electroporation combined with piggyBac transposon. *Experimental Cell Research*, **2013**, 319, 2790-800	4.2	12
127	Human induced pluripotent stem cell-derived cortical neurons integrate in stroke-injured cortex and improve functional recovery. *Brain*, **2013**, 136, 3561-77	11.2	178
126	Proximity of brain infarcts to regions of endogenous neurogenesis and involvement of striatum in ischaemic stroke. *European Journal of Neurology*, **2013**, 20, 473-479	6	26
125	Grafted human neural stem cells enhance several steps of endogenous neurogenesis and improve behavioral recovery after middle cerebral artery occlusion in rats. *Neurobiology of Disease*, **2013**, 52, 191-203	7.5	90
124	Norepinephrine Improves The Generation Of Hematopoietic Cells From Human Pluripotent Stem Cells With Increased Functional Properties. *Blood*, **2013**, 122, 1179-1179	2.2	1
123	Expression analysis of pluripotency-associated genes in human fetal cortical and striatal neural stem cells during differentiation. *Translational Neuroscience*, **2012**, 3,	1.2	5
122	Meteorin is a chemokinetic factor in neuroblast migration and promotes stroke-induced striatal neurogenesis. *Journal of Cerebral Blood Flow and Metabolism*, **2012**, 32, 387-98	7.3	33
121	Ectopic ependymal cells in striatum accompany neurogenesis in a rat model of stroke. *Neuroscience*, **2012**, 214, 159-70	3.9	13
120	Cross-talk between neural stem cells and immune cells: the key to better brain repair?. *Nature Neuroscience*, **2012**, 15, 1078-87	25.5	245
119	Societal value of stem cell therapy in stroke--a modeling study. *Cerebrovascular Diseases*, **2012**, 33, 532-9	3.2	8
118	Embryonic stem cell-derived neural stem cells fuse with microglia and mature neurons. *Stem Cells*, **2012**, 30, 2657-71	5.8	34
117	Stem cell repair of striatal ischemia. *Progress in Brain Research*, **2012**, 201, 35-53	2.9	18
116	Human-induced pluripotent stem cells form functional neurons and improve recovery after grafting in stroke-damaged brain. *Stem Cells*, **2012**, 30, 1120-33	5.8	226
115	Adaptor protein LNK is a negative regulator of brain neural stem cell proliferation after stroke. *Journal of Neuroscience*, **2012**, 32, 5151-64	6.6	8

114	Perturbed cellular response to brain injury during aging. *Ageing Research Reviews*, **2011**, 10, 71-9	12	86
113	Selective depletion of Mac-1-expressing microglia in rat subventricular zone does not alter neurogenic response early after stroke. *Experimental Neurology*, **2011**, 229, 391-8	5.7	23
112	Functional integration of new hippocampal neurons following insults to the adult brain is determined by characteristics of pathological environment. *Experimental Neurology*, **2011**, 229, 484-93	5.7	48
111	Spatio-temporal dynamics, differentiation and viability of human neural stem cells after implantation into neonatal rat brain. *European Journal of Neuroscience*, **2011**, 34, 382-93	3.5	33
110	Cell number and timing of transplantation determine survival of human neural stem cell grafts in stroke-damaged rat brain. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 235-42	7.3	139
109	Neural stem cell-based therapy for ischemic stroke. *Translational Stroke Research*, **2011**, 2, 272-8	7.8	17
108	Stem cell research in stroke: how far from the clinic?. *Stroke*, **2011**, 42, 2369-75	6.7	147
107	Towards Clinical Application of Stem Cells in Neurodegenerative Disorders. *Pancreatic Islet Biology*, **2011**, 3-14	0.4	1
106	Neurogenesis from Endogenous Neural Stem Cells After Stroke: A Future Therapeutic Target to Promote Functional Restoration? **2011**, 133-148		1
105	Stem cells in human neurodegenerative disorders--time for clinical translation?. *Journal of Clinical Investigation*, **2010**, 120, 29-40	15.9	458
104	Isolation and generation of neurosphere cultures from embryonic and adult mouse brain. *Methods in Molecular Biology*, **2010**, 633, 241-52	1.4	34
103	Neural stem and progenitor cells retain their potential for proliferation and differentiation into functional neurons despite lower number in aged brain. *Journal of Neuroscience*, **2009**, 29, 4408-19	6.6	151
102	Emerging concepts in neural stem cell research: autologous repair and cell-based disease modelling. *Lancet Neurology, The*, **2009**, 8, 819-29	24.1	85
101	Ultrastructural and antigenic properties of neural stem cells and their progeny in adult rat subventricular zone. *Glia*, **2009**, 57, 136-52	9	65
100	Long-term accumulation of microglia with proneurogenic phenotype concomitant with persistent neurogenesis in adult subventricular zone after stroke. *Glia*, **2009**, 57, 835-49	9	280
99	Forebrain ependymal cells are Notch-dependent and generate neuroblasts and astrocytes after stroke. *Nature Neuroscience*, **2009**, 12, 259-67	25.5	348
98	Prospects of stem cell therapy for replacing dopamine neurons in Parkinson's disease. *Trends in Pharmacological Sciences*, **2009**, 30, 260-7	13.2	157
97	Brain inflammation and adult neurogenesis: the dual role of microglia. *Neuroscience*, **2009**, 158, 1021-9	3.9	589

96	Pax6 promotes neurogenesis in human neural stem cells. *Molecular and Cellular Neurosciences*, **2008**, 38, 616-28	4.8	37
95	MANF is widely expressed in mammalian tissues and differently regulated after ischemic and epileptic insults in rodent brain. *Molecular and Cellular Neurosciences*, **2008**, 39, 356-71	4.8	126
94	Suppression of stroke-induced progenitor proliferation in adult subventricular zone by tumor necrosis factor receptor 1. *Journal of Cerebral Blood Flow and Metabolism*, **2008**, 28, 1574-87	7.3	82
93	Inflammation regulates functional integration of neurons born in adult brain. *Journal of Neuroscience*, **2008**, 28, 12477-88	6.6	121
92	Survival, migration and neuronal differentiation of human fetal striatal and cortical neural stem cells grafted in stroke-damaged rat striatum. *European Journal of Neuroscience*, **2007**, 26, 605-14	3.5	152
91	Generation of human cortical neurons from a new immortal fetal neural stem cell line. *Experimental Cell Research*, **2007**, 313, 588-601	4.2	38
90	The response of the aged brain to stroke: too much, too soon?. *Current Neurovascular Research*, **2007**, 4, 216-27	1.8	112
89	Long-term neuroblast migration along blood vessels in an area with transient angiogenesis and increased vascularization after stroke. *Stroke*, **2007**, 38, 3032-9	6.7	321
88	Long-Term Neuroblast Migration Along Blood Vessels in an Area With Transient Angiogenesis and Increased Vascularization After Stroke. *Stroke*, **2007**, 38, 3032-3039	6.7	253
87	Prostaglandin E2 and BDNF levels in rat hippocampus are negatively correlated with status epilepticus severity: no impact on survival of seizure-generated neurons. *Neurobiology of Disease*, **2006**, 23, 23-35	7.5	16
86	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. *Journal of Neuroscience Research*, **2006**, 84, 1630-44	4.4	86
85	Regulation of stroke-induced neurogenesis in adult brain--recent scientific progress. *Cerebral Cortex*, **2006**, 16 Suppl 1, i162-7	5.1	74
84	Tumor necrosis factor receptor 1 is a negative regulator of progenitor proliferation in adult hippocampal neurogenesis. *Journal of Neuroscience*, **2006**, 26, 9703-12	6.6	373
83	The endocannabinoid system promotes astroglial differentiation by acting on neural progenitor cells. *Journal of Neuroscience*, **2006**, 26, 1551-61	6.6	187
82	Environment matters: synaptic properties of neurons born in the epileptic adult brain develop to reduce excitability. *Neuron*, **2006**, 52, 1047-59	13.9	211
81	Intracerebral infusion of glial cell line-derived neurotrophic factor promotes striatal neurogenesis after stroke in adult rats. *Stroke*, **2006**, 37, 2361-7	6.7	168
80	Stem cells for the treatment of neurological disorders. *Nature*, **2006**, 441, 1094-6	50.4	651
79	Persistent production of neurons from adult brain stem cells during recovery after stroke. *Stem Cells*, **2006**, 24, 739-47	5.8	589

78	Stroke-induced neurogenesis in aged brain. *Stroke*, **2005**, 36, 1790-5	6.7	203
77	The endocannabinoid system drives neural progenitor proliferation. *FASEB Journal*, **2005**, 19, 1704-6	0.9	257
76	Quantitative analysis of the generation of different striatal neuronal subtypes in the adult brain following excitotoxic injury. *Experimental Neurology*, **2005**, 195, 71-80	5.7	72
75	TNF-alpha antibody infusion impairs survival of stroke-generated neuroblasts in adult rat brain. *Experimental Neurology*, **2005**, 196, 204-8	5.7	73
74	Stem cell therapy for human brain disorders. *Kidney International*, **2005**, 68, 1937-9	9.9	22
73	The neuronal ceroid lipofuscinosis Cln8 gene expression is developmentally regulated in mouse brain and up-regulated in the hippocampal kindling model of epilepsy. *BMC Neuroscience*, **2005**, 6, 27	3.2	21
72	Microglia-derived tumor necrosis factor-alpha exaggerates death of newborn hippocampal progenitor cells in vitro. *Journal of Neuroscience Research*, **2005**, 80, 789-97	4.4	147
71	Is there room for regeneration: Spontaneous versus induced neurogenesis. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S705-S705	7.3	
70	Recovery and rehabilitation in stroke: stem cells. *Stroke*, **2004**, 35, 2691-4	6.7	78
69	Stem cell therapy for human neurodegenerative disorders-how to make it work. *Nature Medicine*, **2004**, 10 Suppl, S42-50	50.5	731
68	Neurogenesis in Stroke and Epilepsy. *Research and Perspectives in Neurosciences*, **2004**, 139-146		
67	Inflammation is detrimental for neurogenesis in adult brain. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13632-7	11.5	1207
66	Intraventricular infusion of TrkB-Fc fusion protein promotes ischemia-induced neurogenesis in adult rat dentate gyrus. *Stroke*, **2003**, 34, 2710-5	6.7	47
65	Neurogenesis after ischaemic brain insults. *Current Opinion in Neurobiology*, **2003**, 13, 127-32	7.6	304
64	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. *European Journal of Neuroscience*, **2003**, 17, 2667-78	3.5	46
63	Elevated GDNF levels following viral vector-mediated gene transfer can increase neuronal death after stroke in rats. *Neurobiology of Disease*, **2003**, 14, 542-56	7.5	48
62	Suppression of limbic motor seizures by electrical stimulation in thalamic reticular nucleus. *Experimental Neurology*, **2003**, 181, 224-30	5.7	55
61	Generalization of rapidly recurring seizures is suppressed in mice lacking glial cell line-derived neurotrophic factor family receptor alpha2. *Neuroscience*, **2003**, 118, 845-52	3.9	4

60	Phenotypic and molecular identity of cells in the adult subventricular zone. in vivo and after expansion in vitro. *Molecular and Cellular Neurosciences*, **2003**, 24, 741-52	4.8	36
59	Kindling alters entorhinal cortex-hippocampal interaction by increased efficacy of presynaptic GABA(B) autoreceptors in layer III of the entorhinal cortex. *Neurobiology of Disease*, **2003**, 13, 203-12	7.5	18
58	Neuronal replacement from endogenous precursors in the adult brain after stroke. *Nature Medicine* , **2002**, 8, 963-70	50.5	2332
57	BDNF-induced TrkB activation down-regulates the K+-Cl- cotransporter KCC2 and impairs neuronal Cl- extrusion. *Journal of Cell Biology*, **2002**, 159, 747-52	7.3	398
56	Suppression of insult-induced neurogenesis in adult rat brain by brain-derived neurotrophic factor. *Experimental Neurology*, **2002**, 177, 1-8	5.7	64
55	Neuropathological and behavioral consequences of adeno-associated viral vector-mediated continuous intrastriatal neurotrophin delivery in a focal ischemia model in rats. *Neurobiology of Disease*, **2002**, 9, 187-204	7.5	71
54	N-methyl-D-aspartate receptor-mediated increase of neurogenesis in adult rat dentate gyrus following stroke. *European Journal of Neuroscience*, **2001**, 14, 10-8	3.5	252
53	Stereological assessment of vulnerability of immunocytochemically identified striatal and hippocampal neurons after global cerebral ischemia in rats. *Brain Research*, **2001**, 913, 117-32	3.7	84
52	Suppressed kindling epileptogenesis in mice with ectopic overexpression of galanin. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 14006-11	11.5	97
51	In situ hybridization histochemistry. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2001**, Chapter 2, Unit 2.7	1	
50	Upregulation of p75 neurotrophin receptor after stroke in mice does not contribute to differential vulnerability of striatal neurons. *Experimental Neurology*, **2001**, 169, 351-63	5.7	32
49	Septal cholinergic neurons suppress seizure development in hippocampal kindling in rats: comparison with noradrenergic neurons. *Neuroscience*, **2001**, 102, 819-32	3.9	41
48	Stroke induces widespread changes of gene expression for glial cell line-derived neurotrophic factor family receptors in the adult rat brain. *Neuroscience*, **2001**, 106, 27-41	3.9	63
47	Enriched environment influences brain-derived neurotrophic factor levels in rat forebrain after focal stroke. *Neuroscience Letters*, **2001**, 305, 169-72	3.3	60
46	Changes in GABA(B) receptor immunoreactivity after recurrent seizures in rats. *Neuroscience Letters*, **2001**, 315, 85-8	3.3	23
45	Seizures induce widespread upregulation of cystatin B, the gene mutated in progressive myoclonus epilepsy, in rat forebrain neurons. *European Journal of Neuroscience*, **2000**, 12, 1687-95	3.5	32
44	Development and persistence of kindling epilepsy are impaired in mice lacking glial cell line-derived neurotrophic factor family receptor alpha 2. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 12312-7	11.5	35
43	GDNF family ligands and receptors are differentially regulated after brain insults in the rat. *European Journal of Neuroscience*, **1999**, 11, 1202-16	3.5	92

42	BDNF gene transfer to the mammalian brain using CNS-derived neural precursors. *Gene Therapy*, **1999**, 6, 1851-66	4	36
41	Evidence for neuroprotective effects of endogenous brain-derived neurotrophic factor after global forebrain ischemia in rats. *Journal of Cerebral Blood Flow and Metabolism*, **1999**, 19, 1220-8	7.3	108
40	Differential regulation of mRNAs for neuropeptide Y and its receptor subtypes in widespread areas of the rat limbic system during kindling epileptogenesis. *Molecular Brain Research*, **1999**, 72, 17-29		59
39	Epileptogenesis induced by rapidly recurring seizures in genetically fast- but not slow-kindling rats. *Brain Research*, **1998**, 789, 111-7	3.7	25
38	Dynamic changes of brain-derived neurotrophic factor protein levels in the rat forebrain after single and recurring kindling-induced seizures. *Neuroscience*, **1998**, 83, 351-62	3.9	96
37	Focal cerebral ischemia in rats induces expression of P75 neurotrophin receptor in resistant striatal cholinergic neurons. *Neuroscience*, **1998**, 84, 1113-25	3.9	98
36	BDNF regulates reelin expression and Cajal-Retzius cell development in the cerebral cortex. *Neuron* , **1998**, 21, 305-15	13.9	135
35	Rapid alterations of BDNF protein levels in the rat brain after focal ischemia: evidence for increased synthesis and anterograde axonal transport. *Experimental Neurology*, **1998**, 154, 289-301	5.7	115
34	Neurotrophins and Kindling Epileptogenesis. *Advances in Behavioral Biology*, **1998**, 299-312		
33	Mossy fibre sprouting: evidence against a facilitatory role in epileptogenesis. *NeuroReport*, **1997**, 8, 1193-6	1.7	49
32	Apoptosis and proliferation of dentate gyrus neurons after single and intermittent limbic seizures. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 10432-7	11.5	678
31	Suppressed kindling epileptogenesis and perturbed BDNF and TrkB gene regulation in NT-3 mutant mice. *Experimental Neurology*, **1997**, 145, 93-103	5.7	48
30	Effects of cholinergic denervation on seizure development and neurotrophin messenger RNA regulation in rapid hippocampal kindling. *Neuroscience*, **1997**, 80, 389-99	3.9	42
29	Hyperglycemia and hypercapnia suppress BDNF gene expression in vulnerable regions after transient forebrain ischemia in the rat. *Journal of Cerebral Blood Flow and Metabolism*, **1997**, 17, 1303-8	7.3	21
28	Regulation of neuronal nitric oxide synthase mRNA levels in rat brain by seizure activity. *NeuroReport*, **1996**, 7, 1335-9	1.7	17
27	Immunolesioning of basal forebrain cholinergic neurons facilitates hippocampal kindling and perturbs neurotrophin messenger RNA regulation. *Neuroscience*, **1996**, 70, 313-27	3.9	52
26	Seizure-induced differential expression of messenger RNAs for neurotrophins and their receptors in genetically fast and slow kindling rats. *Neuroscience*, **1996**, 75, 197-207	3.9	43
25	Regional brain-derived neurotrophic factor mRNA and protein levels following transient forebrain ischemia in the rat. *Molecular Brain Research*, **1996**, 38, 139-44		81

24	Delayed kindling development after rapidly recurring seizures: relation to mossy fiber sprouting and neurotrophin, GAP-43 and dynorphin gene expression. *Brain Research*, **1996**, 712, 19-34	3.7	69
23	Suppressed epileptogenesis in BDNF mutant mice. *Experimental Neurology*, **1995**, 133, 215-24	5.7	216
22	Regulation of brain-derived neurotrophic factor gene expression after transient middle cerebral artery occlusion with and without brain damage. *Experimental Neurology*, **1995**, 136, 73-88	5.7	211
21	Protective effects of BDNF and NT-3 but not PDGF against hypoglycemic injury to cultured striatal neurons. *Experimental Neurology*, **1995**, 131, 1-10	5.7	82
20	Co-expression of TrkB and TrkC receptors in CNS neurones suggests regulation by multiple neurotrophins. *NeuroReport*, **1995**, 6, 769-72	1.7	16
19	Neurotrophins in Kindling Epilepsy: Neuronal Protection or Induction of Sprouting and Epileptogenesis? **1995**, 417-438		1
18	Seizure suppression in kindling epilepsy by intracerebral implants of GABA- but not by noradrenaline-releasing polymer matrices. *Experimental Brain Research*, **1994**, 100, 385-94	2.3	61
17	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	
16	Brain insults in rats induce increased expression of the BDNF gene through differential use of multiple promoters. *European Journal of Neuroscience*, **1994**, 6, 587-96	3.5	105
15	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. *Experimental Neurology*, **1994**, 130, 351-61	5.7	29
14	Neurotrophins and brain insults. *Trends in Neurosciences*, **1994**, 17, 490-6	13.3	478
13	Biphasic differential changes of GABAA receptor subunit mRNA levels in dentate gyrus granule cells following recurrent kindling-induced seizures. *Molecular Brain Research*, **1994**, 23, 323-32		68
12	BDNF makes cultured dentate granule cells more resistant to hypoglycaemic damage. *NeuroReport*, **1994**, 5, 1241-4	1.7	49
11	Expression, Regulation and Receptor Distribution of Neurotrophins in the Mammalian Central Nervous System **1994**, 123-150		
10	Specific functions of grafted locus coeruleus neurons in the kindling model of epilepsy. *Experimental Neurology*, **1993**, 122, 143-54	5.7	18
9	Differential regulation of N-methyl-D-aspartate receptor subunit messenger RNAs in kindling-induced epileptogenesis. *Neuroscience*, **1993**, 57, 307-18	3.9	84
8	Rapid increase of BDNF mRNA levels in cortical neurons following spreading depression: regulation by glutamatergic mechanisms independent of seizure activity. *Molecular Brain Research*, **1993**, 19, 277-86		104
7	Regulation of neurotrophin and trkA, trkB and trkC tyrosine kinase receptor messenger RNA expression in kindling. *Neuroscience*, **1993**, 53, 433-46	3.9	183

6	Increased production of the TrkB protein tyrosine kinase receptor after brain insults. *Neuron*, **1993**, 10, 151-64	13.9	366
5	Coexpression of neurotrophins and their receptors in neurons of the central nervous system. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 6711-5	11.5	221
4	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. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 648-52	11.5	452
3	Widespread increase of nerve growth factor protein in the rat forebrain after kindling-induced seizures. *Brain Research*, **1992**, 587, 338-42	3.7	81
2	Increased levels of messenger RNAs for neurotrophic factors in the brain during kindling epileptogenesis. *Neuron*, **1991**, 7, 165-76	13.9	564
1	Pericyte-derived fibrotic scarring is conserved across diverse central nervous system lesions		2