

CITATION REPORT

List of articles citing

Increased levels of messenger RNAs for neurotrophic factors in the brain during kindling epileptogenesis

DOI: 10.1016/0896-6273(91)90084-d
Neuron, 1991, 7, 165-76.

Source: <https://exaly.com/paper-pdf/22149446/citation-report.pdf>

Version: 2024-04-28

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
590	Expanded distribution of mRNA for nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 in the rat brain after colchicine treatment. 1991 , 88, 10352-6		113
589	Neurotrophins in the central nervous system. 1992 , 3, 1-10		28
588	Light regulates expression of brain-derived neurotrophic factor mRNA in rat visual cortex. 1992 , 89, 9444-8		436
587	Theoretical basis for a pharmacology of nerve growth factor biosynthesis. 1992 , 32, 303-28		22
586	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. 1992 , 89, 648-52		452
585	Neurotrophin expression in rat hippocampal slices: a stimulus paradigm inducing LTP in CA1 evokes increases in BDNF and NT-3 mRNAs. <i>Neuron</i> , 1992 , 9, 1081-8	13.9	525
584	Workshop on Trophic Factors in the Peripheral Nervous System. Capri, October 1991. 1992 , 2, 11-7		1
583	Activation of basal forebrain cholinergic neurons differentially regulates brain-derived neurotrophic factor mRNA expression in different projection areas. 1992 , 136, 203-8		22
582	BDNF mRNA expression in the developing rat brain following kainic acid-induced seizure activity. <i>Neuron</i> , 1992 , 8, 1127-38	13.9	182
581	Hippocampal kindling increases the expression of glutamate receptor-A Flip and -B Flip mRNA in dentate granule cells. 1992 , 148, 51-4		65
580	Signal transduction and regulation of neurotrophins. 1992 , 2, 336-40		25
579	Differential expression of K ⁺ channel mRNAs in the rat brain and down-regulation in the hippocampus following seizures. <i>Neuron</i> , 1992 , 8, 1055-67	13.9	175
578	Basic fibroblast growth factor mRNA increases in specific brain regions following convulsive seizures. 1992 , 15, 311-8		91
577	Thyroid hormone regulation of NGF, NT-3 and BDNF RNA in the adult rat brain. 1992 , 16, 239-45		101
576	Cellular targets and trophic functions of neurotrophin-3 in the developing rat hippocampus. <i>Neuron</i> , 1992 , 9, 643-56	13.9	220
575	Regulation of brain neurotrophin expression by physiological activity. 1992 , 13, 401-3		68
574	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

573	Dopaminergic stimulation up-regulates the in vivo expression of brain-derived neurotrophic factor (BDNF) in the striatum. 1992 , 313, 138-42		117
572	Neurotrophic interactions in the nervous system. 1992 , 35 Suppl 2, S18-22		1
571	Expression of Ciliary Neurotrophic Factor and the Neurotrophins-Nerve Growth Factor, Brain-Derived Neurotrophic Factor and Neurotrophin 3-in Cultured Rat Hippocampal Astrocytes. <i>European Journal of Neuroscience</i> , 1992 , 4, 459-471	3.5	180
570	Amygdala kindling potentiates seizure-stimulated immediate-early gene expression in rat cerebral cortex. 1992 , 59, 1753-60		16
569	Effects of fluoroquinolone antimicrobials alone and in conjunction with theophylline on seizures in amygdaloid kindled rats. Mechanistic and pharmacokinetic study. 1992 , 13, 59-71		8
568	Immediate-early genes, neuronal plasticity, and memory. 1992 , 70, 729-37		103
567	Septal cholinergic afferents regulate expression of brain-derived neurotrophic factor and beta-nerve growth factor mRNA in rat hippocampus. 1992 , 88, 78-90		113
566	Antibody to NGF inhibits collateral sprouting of septohippocampal fibers following entorhinal cortex lesion in adult rats. 1992 , 326, 91-100		75
565	AP-1 complex and c-fos transcription are involved in TPA provoked and trans-synaptic inductions of the tyrosine hydroxylase gene: insights into long-term regulatory mechanisms. 1992 , 32, 290-8		101
564	Differential regulation of the nerve growth factor and brain-derived neurotrophic factor genes in L929 mouse fibroblasts. 1992 , 33, 519-26		12
563	JUN, FOS, KROX, and CREB transcription factor proteins in the rat cortex: basal expression and induction by spreading depression and epileptic seizures. 1993 , 333, 271-88		137
562	Pentylentetrazol seizures increase pro-nerve growth factor-like immunoreactivity in the reticular thalamic nucleus and nerve growth factor mRNA in the dentate gyrus. 1993 , 35, 419-27		20
561	Expression of mRNA for neurotrophic factors and their receptors in the rat dorsal root ganglion and sciatic nerve following nerve injury. 1993 , 36, 357-67		164
560	Mechanisms of kindling: an evaluation of single trial seizure induction procedures for use as controls. 1993 , 15, 201-5		3
559	Widespread and developmentally regulated expression of neurotrophin-4 mRNA in rat brain and peripheral tissues. <i>European Journal of Neuroscience</i> , 1993 , 5, 605-13	3.5	237
558	Increased expression of GAP-43, somatostatin and neuropeptide Y mRNA in the hippocampus during development of hippocampal kindling in rats. <i>European Journal of Neuroscience</i> , 1993 , 5, 1312-20 ^{3.5}	3.5	60
557	Regulation of neuropeptide expression in cultured cerebral cortical neurons by brain-derived neurotrophic factor. 1993 , 60, 772-5		167
556	Rapid increases in peptide processing enzyme expression in hippocampal neurons. 1993 , 61, 1315-22		26

555	Rapid dephosphorylation of microtubule-associated protein 2 in the rat brain hippocampus after pentylentetrazole-induced seizures. 1993 , 215, 181-7		7
554	Neurotrophin production in the brain. 1993 , 5, 227-237		26
553	Multiple promoters direct tissue-specific expression of the rat BDNF gene. <i>Neuron</i> , 1993 , 10, 475-89	13.9	731
552	Time course, localization and pharmacological modulation of immediate early inducible genes, brain-derived neurotrophic factor and trkB messenger RNAs in the rat brain following photochemical stroke. 1993 , 55, 473-90		165
551	Regulation of brain-derived neurotrophic factor messenger RNA and protein at the cellular level in pentylentetrazol-induced epileptic seizures. 1993 , 53, 909-18		121
550	Differential regulation of N-methyl-D-aspartate receptor subunit messenger RNAs in kindling-induced epileptogenesis. 1993 , 57, 307-18		84
549	Brain-derived neurotrophic factor expression after long-term potentiation. 1993 , 160, 232-6		146
548	The molecular basis of kindling. 1993 , 3, 395-403		58
547	Heterodimers of the neurotrophic factors: formation, isolation, and differential stability. 1993 , 32, 13350-6		28
546	Increased expression of trkB and trkC messenger RNAs in the rat forebrain after focal mechanical injury. 1993 , 57, 901-12		62
545	Rapid increase of BDNF mRNA levels in cortical neurons following spreading depression: regulation by glutamatergic mechanisms independent of seizure activity. 1993 , 19, 277-86		104
544	Coordinated expression of messenger RNAs for nerve growth factor, brain-derived neurotrophic factor and neurotrophin-3 in the rat hippocampus following transient forebrain ischemia. 1993 , 55, 23-31		230
543	Proto-oncogenes and signaling processes in neural tissues. 1993 , 22, 369-84		24
542	Glutamate receptor agonists enhance the expression of BDNF mRNA in cultured cerebellar granule cells. 1993 , 18, 201-8		61
541	Brain-derived neurotrophic factor is induced as an immediate early gene following N-methyl-D-aspartate receptor activation. 1993 , 57, 319-28		116
540	Prolonged increases in neurotrophic activity associated with kainate-induced hippocampal synaptic reorganization. 1993 , 56, 597-604		116
539	Regulation of neurotrophin and trkA, trkB and trkC tyrosine kinase receptor messenger RNA expression in kindling. 1993 , 53, 433-46		183
538	Neuronal death and neurotrophin gene expression: long-lasting stimulation of neurotrophin-3 messenger RNA in the degenerating CA1 and CA4 pyramidal cell layers. 1993 , 53, 905-8		22

537	Adrenalectomy attenuates kainic acid-elicited increases of messenger RNAs for neurotrophins and their receptors in the rat brain. 1993 , 54, 909-22	69
536	Developmentally regulated expression of pleiotrophin, a novel heparin binding growth factor, in the nervous system of the rat. 1993 , 72, 133-44	61
535	Increased production of the TrkB protein tyrosine kinase receptor after brain insults. <i>Neuron</i> , 1993 , 10, 151-64	13.9 366
534	Monocular deprivation effects in the rat visual cortex and lateral geniculate nucleus are prevented by nerve growth factor (NGF). I. Visual cortex. 1993 , 251, 17-23	30
533	Kindling produces long-lasting and selective changes in gene expression of hippocampal neurons. 1993 , 90, 1741-5	44
532	Visualization and Quantitation of Neurotrophin mRNAs. 1993 , 57-106	1
531	Possible involvement of c-fos translational regulation in the interaction between glutamate and neurotrophic factors in brain ischemia. 1993 , 96, 209-19	2
530	Coexpression of neurotrophins and their receptors in neurons of the central nervous system. 1993 , 90, 6711-5	221
529	Differential usage of multiple brain-derived neurotrophic factor promoters in the rat brain following neuronal activation. 1993 , 90, 8802-6	203
528	Pathogenesis of mesial temporal sclerosis. 1993 , 20, 184-93	25
527	Expression and regulation of neurotrophins and their receptors in hippocampal systems. 1993 , 3, 171-181	13
526	Astrocyte-Derived Neurotrophic Factors. 1993 , 267-305	32
525	Mechanism of epilepsy. 1994 , 45, 379-89	42
524	Hippocampal epileptogenesis produced by electrolytic iron deposition in the rat dentate gyrus. 1994 , 19, 27-36	23
523	The neurotrophins and their receptors: structure, function, and neuropathology. 1994 , 18, 143-59	123
522	Activity-dependent and hormonal regulation of neurotrophin mRNA levels in the brain—implications for neuronal plasticity. 1994 , 25, 1362-72	241
521	Highly selective effects of nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 on intact and injured basal forebrain magnocellular neurons. 1994 , 343, 247-62	106
520	From seizures to neo-synaptogenesis: intrinsic and extrinsic determinants of mossy fiber sprouting in the adult hippocampus. 1994 , 4, 270-4	44

519	Ultrastructural plasticity of the dentate gyrus granule cells following recurrent limbic seizures: I. Increase in somatic spines. 1994 , 4, 601-10		37
518	aFGF, bFGF and flg mRNAs show distinct patterns of induction in the hippocampus following kainate-induced seizures. <i>European Journal of Neuroscience</i> , 1994 , 6, 58-66	3.5	75
517	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
516	Positive feedback between acetylcholine and the neurotrophins nerve growth factor and brain-derived neurotrophic factor in the rat hippocampus. <i>European Journal of Neuroscience</i> , 1994 , 6, 668-71	3.5	266
515	Regulation of neuropeptides in adult rat forebrain by the neurotrophins BDNF and NGF. <i>European Journal of Neuroscience</i> , 1994 , 6, 1343-53	3.5	190
514	Rat hippocampal kindling induces changes in the glutamate receptor mRNA expression patterns in dentate granule neurons. <i>European Journal of Neuroscience</i> , 1994 , 6, 1119-27	3.5	91
513	Analysis of transcriptional initiation and translatability of brain-derived neurotrophic factor mRNAs in the rat brain. 1994 , 177, 27-31		36
512	Developmental regulation of brain-derived neurotrophic factor messenger RNAs transcribed from different promoters in the rat brain. 1994 , 60, 287-91		85
511	Children with severe epilepsy: evidence of hippocampal neuron losses and aberrant mossy fiber sprouting during postnatal granule cell migration and differentiation. 1994 , 78, 70-80		90
510	An improved method detects differential NGF and BDNF gene expression in response to depolarization in cultured hippocampal neurons. 1994 , 26, 81-8		28
509	Differential regulation of the expression of nerve growth factor, brain-derived neurotrophic factor and neurotrophin-3 mRNAs in adult rat brain after intrahippocampal injection of quinolinic acid. 1994 , 26, 89-98		34
508	Changes in glutamate receptor and proenkephalin gene expression after kindled seizures. 1994 , 24, 34-42		41
507	Regulation of BDNF promoters in the rat hippocampus. 1994 , 25, 11-5		33
506	Localization of neurotrophin-3-like immunoreactivity in the rat central nervous system. <i>Brain Research</i> , 1994 , 643, 162-72	3.7	93
505	Antiepileptogenic and anticonvulsant effects of NBQX, a selective AMPA receptor antagonist, in the rat kindling model of epilepsy. <i>Brain Research</i> , 1994 , 638, 36-44	3.7	94
504	Neurotrophic factor mRNA expression in dentate gyrus is increased following angular bundle transection. <i>Brain Research</i> , 1994 , 647, 23-9	3.7	39
503	NT-3 and BDNF protect CNS neurons against metabolic/excitotoxic insults. <i>Brain Research</i> , 1994 , 640, 56-67	3.7	368
502	Brain-derived neurotrophic factor and neurotrophin-4 increase neurotrophin-3 expression in the rat hippocampus. 1994 , 12, 745-51		42

501	In situ hybridization and its application to receptor subunit mRNA regulation. 1994 , 15, 131-5	6
500	Kainic acid seizures in the rat. 1994 , 42, 1-32	609
499	Neurotrophins and brain insults. 1994 , 17, 490-6	478
498	Seizures increase basic fibroblast growth factor mRNA in adult rat forebrain neurons and glia. 1994 , 21, 190-205	108
497	Neurotrophic factor mRNA expression in dentate gyrus is increased following in vivo stimulation of the angular bundle. 1994 , 23, 135-43	57
496	Short- and long-term induction of basic fibroblast growth factor gene expression in rat central nervous system following kainate injection. 1994 , 59, 55-65	58
495	Kainate-induced apoptotic cell death in hippocampal neurons. 1994 , 63, 7-18	373
494	Differential regulation of brain-derived neurotrophic factor and type II calcium/calmodulin-dependent protein kinase messenger RNA expression in Alzheimer's disease. 1994 , 60, 37-48	99
493	Biphasic differential changes of GABAA receptor subunit mRNA levels in dentate gyrus granule cells following recurrent kindling-induced seizures. 1994 , 23, 323-32	68
492	Transient global ischemia induces dynamic changes in the expression of bFGF and the FGF receptor. 1994 , 22, 76-88	83
491	Changes in gene expression of AMPA-selective glutamate receptor subunits induced by status epilepticus in rat brain. 1994 , 25, 367-76	43
490	Neurotrophin 3 potentiates neuronal activity and inhibits gamma-aminobutyrate synaptic transmission in cortical neurons. 1994 , 91, 12341-5	151
489	Neuroprotective effect of acidic fibroblast growth factor on seizure-associated brain damage. 1994 , 16, 365-9	16
488	Hippocampal long-term potentiation is impaired in mice lacking brain-derived neurotrophic factor. 1995 , 92, 8856-60	1196
487	A nerve growth factor peptide retards seizure development and inhibits neuronal sprouting in a rat model of epilepsy. 1995 , 92, 9495-9	68
486	Induction of non-catalytic TrkB neurotrophin receptors during lesion-induced synaptic rearrangement in the adult rat hippocampus. 1995 , 105, 197-210	3
485	Stress and antidepressants differentially regulate neurotrophin 3 mRNA expression in the locus coeruleus. 1995 , 92, 8788-92	95
484	Association of nerve growth factor mRNA levels with MK-801-induced explosive behaviors in mice. 1995 , 42, 80-4	

483	Molecular correlates between reactive and developmental plasticity in the rat hippocampus. 1995 , 26, 426-36		41
482	Biphasic expression of the fos and jun families of transcription factors following transient forebrain ischaemia in the rat. Effect of hypothermia. <i>European Journal of Neuroscience</i> , 1995 , 7, 2007-16	3.5	68
481	BDNF protein measured by a novel enzyme immunoassay in normal brain and after seizure: partial disagreement with mRNA levels. <i>European Journal of Neuroscience</i> , 1995 , 7, 1527-35	3.5	297
480	Seizures increase trkC mRNA expression in the dentate gyrus of rat hippocampus. Role of glutamate receptor activation. 1995 , 6, 11-22		15
479	Changes in TRH and its degrading enzyme pyroglutamyl peptidase II, during the development of amygdaloid kindling. <i>Brain Research</i> , 1995 , 679, 144-50	3.7	29
478	Potent inhibitory effects of glial derived neurotrophic factor against kainic acid mediated seizures in the rat. <i>Brain Research</i> , 1995 , 683, 172-8	3.7	100
477	Identification of brain-derived neurotrophic factor promoter regions mediating tissue-specific, axotomy-, and neuronal activity-induced expression in transgenic mice. 1995 , 128, 185-99		106
476	Involvement of nerve growth factor in visual cortex plasticity. 1995 , 6, 329-51		17
475	Review : Stress, Antidepressant Treatments, and Neurotrophic Factors: Molecular and Cellular Mechanisms. 1995 , 1, 351-360		19
474	Inhibition of ocular dominance column formation by infusion of NT-4/5 or BDNF. 1995 , 267, 1662-6		529
473	Neurotrophic factors and synaptic plasticity. <i>Neuron</i> , 1995 , 15, 979-81	13.9	243
472	Trophic factor response to neuronal stimuli or injury. 1995 , 5, 350-7		81
471	Contingent tolerance to the anticonvulsant effects of carbamazepine: relationship to loss of endogenous adaptive mechanisms. 1995 , 20, 305-25		68
470	Aberrant expression of neuropeptide Y in hippocampal mossy fibers in the absence of local cell injury following the onset of spike-wave synchronization. 1995 , 31, 111-21		38
469	NMDA receptor-dependent and -independent immediate early gene expression induced by focal mechanical brain injury. 1995 , 26, 443-53		20
468	Overexpression of genes in health and sickness. A bird's eye view. 1995 , 112, 1-13		22
467	Differential temporal patterns of expression of immediate early genes in cerebral cortex induced by intracerebral excitotoxin injection: sensitivity to dexamethasone and MK-801. 1995 , 34, 521-31		7
466	Neurotrophins and neuronal plasticity. 1995 , 270, 593-8		1747

465	Induction of nerve growth factor and basic fibroblast growth factor mRNA following clenbuterol: contrasting anatomical and cellular localization. 1995 , 132, 33-41	39
464	NGF and BDNF are differentially modulated by visual experience in the developing geniculocortical pathway. 1995 , 86, 326-34	130
463	Cell-specific modulation of basal and seizure-induced neurotrophin expression by adrenalectomy. 1995 , 68, 363-78	34
462	Glucocorticoids, neurotrophins and neurodegeneration. 1995 , 52, 391-401	9
461	Quantified patterns of mossy fiber sprouting and neuron densities in hippocampal and lesional seizures. 1995 , 82, 211-9	93
460	Selective enhancement of axonal branching of cultured dentate gyrus neurons by neurotrophic factors. 1995 , 69, 763-70	99
459	Morphogenetic effect of kainate on adult hippocampal neurons associated with a prolonged expression of brain-derived neurotrophic factor. 1995 , 64, 665-74	169
458	Differential regulation of catalytic and non-catalytic trkB messenger RNAs in the rat hippocampus following seizures induced by systemic administration of kainate. 1995 , 66, 861-77	39
457	In vitro toxicity of methyl mercury: effects on nerve growth factor (NGF)-responsive neurons and on NGF synthesis in fibroblasts. 1995 , 75, 133-44	24
456	Brain-derived neurotrophic factor messenger RNA is expressed in the septum, hypothalamus and in adrenergic brain stem nuclei of adult rat brain and is increased by osmotic stimulation in the paraventricular nucleus. 1995 , 64, 71-80	141
455	Immunolesioning of basal forebrain cholinergic neurons facilitates hippocampal kindling and perturbs neurotrophin messenger RNA regulation. 1996 , 70, 313-27	52
454	A metabotropic glutamate receptor agonist regulates neurotrophin messenger RNA in rat forebrain. 1996 , 70, 617-30	17
453	Antiepileptic effects of acidic fibroblast growth factor examined in kainic acid-mediated seizures in the rat. 1996 , 203, 66-8	22
452	Induction of brain-derived neurotrophic factor (BDNF) and the receptor trk B mRNA following middle cerebral artery occlusion in rat. 1996 , 211, 57-60	50
451	Comparative study of brain-derived neurotrophic factor messenger RNA and protein at the cellular level suggests multiple roles in hippocampus, striatum and cortex. 1996 , 74, 161-83	124
450	Dentate granule cell layer collagen explant cultures: spontaneous axonal growth and induction by brain-derived neurotrophic factor or basic fibroblast growth factor. 1996 , 74, 1197-208	30
449	Seizure-induced differential expression of messenger RNAs for neurotrophins and their receptors in genetically fast and slow kindling rats. 1996 , 75, 197-207	43
448	GTP and guanosine synergistically enhance NGF-induced neurite outgrowth from PC12 cells. 1996 , 14, 19-34	68

447	Hippocampal vulnerability to stress and aging: possible role of neurotrophic factors. 1996 , 78, 25-36		114
446	Correlation between increased AP-1/NGF binding activity and induction of nerve growth factor transcription by multiple signal transduction pathways in C6-2B glioma cells. 1996 , 35, 1-10		28
445	Glutamate release correlates with brain-derived neurotrophic factor and trkB mRNA expression in the CA1 region of rat hippocampus. 1996 , 42, 317-27		20
444	Synaptic activity and the construction of cortical circuits. 1996 , 274, 1133-8		2418
443	Physiology of the neurotrophins. 1996 , 19, 289-317		1700
442	Brain-derived neurotrophic factor. 1996 , 203-217		
441	Upregulation of BDNF mRNA expression in the barrel cortex of adult mice after sensory stimulation. 1996 , 16, 4411-9		151
440	Expression of NGF and NT3 mRNAs in hippocampal interneurons innervated by the GABAergic septohippocampal pathway. 1996 , 16, 3991-4004		76
439	NMDA receptor dependence of kindling and mossy fiber sprouting: evidence that the NMDA receptor regulates patterning of hippocampal circuits in the adult brain. 1996 , 16, 7398-406		117
438	Differential effects of protein synthesis inhibition on the activity-dependent expression of BDNF transcripts: evidence for immediate-early gene responses from specific promoters. 1996 , 16, 7428-36		160
437	Null mutation of c-fos impairs structural and functional plasticities in the kindling model of epilepsy. 1996 , 16, 3827-36		125
436	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
435	Clenbuterol protects mouse cerebral cortex and rat hippocampus from ischemic damage and attenuates glutamate neurotoxicity in cultured hippocampal neurons by induction of NGF. <i>Brain Research</i> , 1996 , 717, 44-54	3-7	90
434	Nerve growth factor (NGF) content in adult rat brain tissues is several-fold higher than generally reported and is largely associated with sedimentable fractions. <i>Brain Research</i> , 1996 , 728, 47-56	3-7	28
433	Kainic acid increases the expression of the prohormone convertases furin and PC1 in the mouse hippocampus. <i>Brain Research</i> , 1996 , 732, 121-32	3-7	30
432	The depolarisation-induced release of [125I]BDNF from brain tissue. <i>Brain Research</i> , 1996 , 743, 40-8	3-7	38
431	Change in neurotrophins and their receptor mRNAs in the rat forebrain after status epilepticus induced by pilocarpine. 1996 , 37, 198-207		78
430	Regional increases in brain-derived neurotrophic factor and nerve growth factor mRNAs during amygdaloid kindling, but not in acidic and basic growth factor mRNAs. 1996 , 37, 6-14		55

429	Regional distribution of neurotrophin receptors in the developing auditory brainstem. 1996 , 367, 454-64	48
428	Unilateral LTP triggers bilateral increases in hippocampal neurotrophin and trk receptor mRNA expression in behaving rats: evidence for interhemispheric communication. 1996 , 368, 371-82	108
427	Developmental and mature expression of full-length and truncated TrkB receptors in the rat forebrain. 1996 , 374, 21-40	225
426	Increased expression of brain-derived neurotrophic factor but not neurotrophin-3 mRNA in rat brain after cortical impact injury. 1996 , 44, 157-64	86
425	Cellular hybridization for BDNF, trkB, and NGF mRNAs and BDNF-immunoreactivity in rat forebrain after pilocarpine-induced status epilepticus. 1996 , 107, 331-47	72
424	Treatment Development Strategies for Alzheimer's Disease. 1996 , 2, 238-255	1
423	Increased expression of BDNF and trkB mRNA in rat facial motoneurons after axotomy. <i>European Journal of Neuroscience</i> , 1996 , 8, 1018-29	3-5 130
422	Apoptosis, neurotrophic factors and neurodegeneration. 1997 , 8, 223-65	38
421	Role of neurotrophins in synapse development and plasticity. 1997 , 8, 1-12	191
420	Plant-derived amino acids increase hippocampal BDNF, NGF, c-fos and hsp70 mRNAs. 1997 , 8, 1813-7	9
419	Neurotrophins differentially regulate voltage-gated ion channels. 1997 , 10, 173-83	45
418	Suppressed kindling epileptogenesis and perturbed BDNF and TrkB gene regulation in NT-3 mutant mice. 1997 , 145, 93-103	48
417	Expression of brain-derived neurotrophic factor and TrkB neurotrophin receptors after striatal injury in the mouse. 1997 , 148, 83-91	41
416	Truncated trkB receptors on nonneuronal cells inhibit BDNF-induced neurite outgrowth in vitro. 1997 , 148, 616-27	115
415	Cholinergic immunolesions by 192IgG-saporin--useful tool to simulate pathogenic aspects of Alzheimer's disease. 1997 , 15, 835-50	37
414	Early induction of mRNA for calbindin-D28k and BDNF but not NT-3 in rat hippocampus after kainic acid treatment. 1997 , 47, 183-94	44
413	Facilitation of AVP(4-8) on gene expression of BDNF and NGF in rat brain. 1997 , 18, 1179-87	27
412	A new twist in an old story: the role for crosstalk of neuronal and trophic activity. 1997 , 31, 659-76	22

411	Effects of cholinergic denervation on seizure development and neurotrophin messenger RNA regulation in rapid hippocampal kindling. 1997 , 80, 389-99	42
410	Cholinergic sprouting in the rat fascia dentata after entorhinal lesion is not linked to early changes in neurotrophin messenger RNA expression. 1997 , 80, 731-9	24
409	Temporal pattern of AP-1 DNA-binding activity in the rat hippocampus following a kindled seizure. 1997 , 80, 753-61	10
408	GABA(A) receptor subunits in the rat hippocampus II: altered distribution in kainic acid-induced temporal lobe epilepsy. 1997 , 80, 1001-17	151
407	Kainate induces the expression of the DNA damage-inducible gene, GADD45, in the rat brain. 1997 , 81, 707-20	25
406	Hyperexcitability in combined entorhinal/hippocampal slices of adult rat after exposure to brain-derived neurotrophic factor. 1997 , 78, 1082-95	142
405	Activity-dependent expression of NT-3 in muscle cells in culture: implications in the development of neuromuscular junctions. 1997 , 17, 2947-58	76
404	Acute morphogenic and chemotropic effects of neurotrophins on cultured embryonic <i>Xenopus</i> spinal neurons. 1997 , 17, 7860-71	68
403	Endogenous FGF-2 is important for cholinergic sprouting in the denervated hippocampus. 1997 , 17, 2499-511	72
402	Absence of a persistently elevated 37 kDa fos-related antigen and AP-1-like DNA-binding activity in the brains of kainic acid-treated fosB null mice. 1997 , 17, 5407-15	51
401	Nerve growth factor accelerates seizure development, enhances mossy fiber sprouting, and attenuates seizure-induced decreases in neuronal density in the kindling model of epilepsy. 1997 , 17, 5288-96	107
400	5-HT2A receptor-mediated regulation of brain-derived neurotrophic factor mRNA in the hippocampus and the neocortex. 1997 , 17, 2785-95	354
399	Neurotrophin release by neurotrophins: implications for activity-dependent neuronal plasticity. 1997 , 94, 13279-86	233
398	Hyperglycemia and hypercapnia suppress BDNF gene expression in vulnerable regions after transient forebrain ischemia in the rat. 1997 , 17, 1303-8	21
397	Spontaneous epileptiform seizures but increased resistance to kindled seizures in a mutant Sprague-Dawley rat (mf/mf). 1997 , 58, 993-1001	1
396	Low-level cadmium exposure of lactating rats causes alterations in brain serotonin levels in the offspring. 1997 , 19, 105-15	93
395	Downregulation of brain-derived neurotrophic factor mRNA in adult rat brain after acute administration of methylmercury. 1997 , 31, 225-33	17
394	Granule cell mRNA levels for BDNF, NGF, and NT-3 correlate with neuron losses or supragranular mossy fiber sprouting in the chronically damaged and epileptic human hippocampus. 1997 , 30, 53-76	78

393	Recent progress in studies of neurotrophic factors and their clinical implications. 1997 , 75, 637-44		32
392	Epilepsy with myoclonus and post-natal development of the motor system in humans: a hypothesis. 1997 , 29, 7-15		1
391	Role of afferents in the development and cell survival of the vertebrate nervous system. 1998 , 25, 487-95		35
390	Neurotrophin 3, not brain-derived neurotrophic factor or neurotrophin 4, knockout mice have delay in vestibular compensation after unilateral labyrinthectomy. 1998 , 108, 671-8		18
389	Analysis of c-Fos and glial fibrillary acidic protein (GFAP) expression following topical application of potassium chloride (KCl) to the brain surface. <i>Brain Research</i> , 1998 , 784, 71-81	3-7	8
388	Regionally specific induction of BDNF and truncated trkB.T1 receptors in the hippocampal formation after intraseptal injection of kainic acid. <i>Brain Research</i> , 1998 , 790, 270-7	3-7	25
387	Brain-derived neurotrophic factor rapidly potentiates synaptic transmission through NMDA, but suppresses it through non-NMDA receptors in rat hippocampal neuron. <i>Brain Research</i> , 1998 , 799, 176-9	3-7	40
386	Behavioral changes and expression of heat shock protein hsp-70 mRNA, brain-derived neurotrophic factor mRNA, and cyclooxygenase-2 mRNA in rat brain following seizures induced by systemic administration of kainic acid. <i>Brain Research</i> , 1998 , 804, 212-23	3-7	46
385	Reduction in brain-derived neurotrophic factor protein level in the hippocampal CA1 dendritic field precedes the delayed neuronal damage in the rat brain. 1998 , 53, 318-29		17
384	Attenuation of the seizure-induced expression of BDNF mRNA in adult rat brain by an inhibitor of calcium/calmodulin-dependent protein kinases. <i>European Journal of Neuroscience</i> , 1998 , 10, 377-87	3-5	22
383	Different patterns of induction of FGF-2, FGF-1 and BDNF mRNAs during kindling epileptogenesis in the rat. <i>European Journal of Neuroscience</i> , 1998 , 10, 955-63	3-5	29
382	Amelioration of ischaemia-induced neuronal death in the rat striatum by NGF-secreting neural stem cells. <i>European Journal of Neuroscience</i> , 1998 , 10, 2026-36	3-5	86
381	Attenuation of kindling-induced decreases in NT-3 mRNA by thyroid hormone depletion. 1998 , 29, 211-20		15
380	The regulation of amyloid precursor protein metabolism by cholinergic mechanisms and neurotrophin receptor signaling. 1998 , 56, 541-69		179
379	Inducible and constitutive transcription factors in the mammalian nervous system: control of gene expression by Jun, Fos and Krox, and CREB/ATF proteins. 1998 , 28, 370-490		1124
378	Differential regulation by MK801 of immediate-early genes, brain-derived neurotrophic factor and trk receptor mRNA induced by a kindling after-discharge. 1998 , 53, 138-51		36
377	BDNF acutely increases tyrosine phosphorylation of the NMDA receptor subunit 2B in cortical and hippocampal postsynaptic densities. 1998 , 55, 20-7		232
376	Transcript-specific effects of adrenalectomy on seizure-induced BDNF expression in rat hippocampus. 1998 , 55, 81-91		28

375	Intra-amygdala infusion of an end-capped antisense oligodeoxynucleotide to c-fos accelerates amygdala kindling. 1998 , 57, 248-56	14
374	Differential regulation of BDNF and NT-3 mRNA levels in primary cultures of rat cerebellar neurons. 1998 , 32, 87-91	20
373	In vivo administration of c-Fos antisense oligonucleotides accelerates amygdala kindling. 1998 , 241, 111-4	11
372	Kindling and associated mossy fibre sprouting are not affected in mice deficient of NGFI-A/NGFI-B genes. 1998 , 83, 251-8	23
371	Kainic acid, tetrodotoxin and light modulate expression of brain-derived neurotrophic factor in developing avian retinal ganglion cells and their tectal target. 1998 , 83, 137-50	28
370	Dynamic changes of brain-derived neurotrophic factor protein levels in the rat forebrain after single and recurring kindling-induced seizures. 1998 , 83, 351-62	96
369	Partial cortical devascularization results in elevations of cortical nerve growth factor and increases nerve growth factor protein within basal forebrain cholinergic neurons. 1998 , 83, 1003-11	6
368	Correlated long-term increase of brain-derived neurotrophic factor and Trk B proteins in enlarged granule cells of mouse hippocampus after kainic acid injection. 1998 , 86, 723-8	22
367	Time-dependent changes in neurotrophic factor mRNA expression after kindling and long-term potentiation in rats. 1998 , 45, 599-605	56
366	BDNF restores the expression of Jun and Fos inducible transcription factors in the rat brain following repetitive electroconvulsive seizures. 1998 , 149, 161-74	23
365	Endogenous BDNF protein is increased in adult rat hippocampus after a kainic acid induced excitotoxic insult but exogenous BDNF is not neuroprotective. 1998 , 149, 398-410	117
364	The effects of NGF and sensory nerve stimulation on collateral sprouting and gene expression in adult sensory neurons. 1998 , 151, 14-25	24
363	Rapid alterations of BDNF protein levels in the rat brain after focal ischemia: evidence for increased synthesis and anterograde axonal transport. 1998 , 154, 289-301	115
362	Antisense Research and Application. <i>Handbook of Experimental Pharmacology</i> , 1998 ,	3.2 32
361	Regulation of brain-derived neurotrophic factor mRNA levels in hippocampus by neuronal activity. 1998 , 117, 57-64	67
360	Reciprocal up- and down-regulation of BDNF mRNA in tetanus toxin-induced epileptic focus and inhibitory surround in cerebral cortex. 1998 , 8, 481-91	14
359	Activity-dependent regulation of Neu differentiation factor/neuregulin expression in rat brain. 1998 , 95, 1888-93	87
358	Differential regulation of neurotrophin and trk receptor mRNAs in catecholaminergic nuclei during chronic opiate treatment and withdrawal. 1998 , 18, 10700-8	102

357	Retrograde signaling in the development and modification of synapses. 1998 , 78, 143-70	201
356	Mechanisms underlying the enhancement of excitatory synaptic transmission in basolateral amygdala neurons of the kindling rat. 1998 , 80, 638-46	17
355	TrkB and TrkC signaling are required for maturation and synaptogenesis of hippocampal connections. 1998 , 18, 7336-50	215
354	p75 neurotrophin receptor expression is induced in apoptotic neurons after seizure. 1999 , 19, 6887-96	194
353	Selective inhibition of kindling development by intraventricular administration of TrkB receptor body. 1999 , 19, 1424-36	139
352	Chronic pain is associated with increased TrkA immunoreactivity in spinoreticular neurons. 1999 , 19, 5482-92	29
351	Long-term enhancement of central synaptic transmission by chronic brain-derived neurotrophic factor treatment. 1999 , 19, 7025-36	92
350	Actions of brain-derived neurotrophic factor in slices from rats with spontaneous seizures and mossy fiber sprouting in the dentate gyrus. 1999 , 19, 5619-31	101
349	Differential expression of brain-derived neurotrophic factor, neurotrophin-3, and neurotrophin-4/5 in the adult rat spinal cord: regulation by the glutamate receptor agonist kainic acid. 1999 , 19, 7757-69	50
348	Alterations in BDNF and trkB mRNA levels in the cerebral cortex following experimental brain trauma in rats. 1999 , 16, 501-10	51
347	Expression of brain-derived neurotrophic factor, nerve growth factor, and heat shock protein HSP70 following fluid percussion brain injury in rats. 1999 , 16, 471-86	68
346	Nuclear calcium-activated gene expression: possible roles in neuronal plasticity and epileptogenesis. 1999 , 36, 225-31	33
345	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
344	Evidence that brain-derived neurotrophic factor neuroprotection is linked to its ability to reverse the NMDA-induced inactivation of protein kinase C in cortical neurons. 1999 , 72, 102-11	55
343	Immunohistochemical expression of trk receptor proteins in focal cortical dysplasia with intractable epilepsy. 1999 , 25, 188-95	9
342	Acute and chronic effects of seizures in the developing brain: experimental models. 1999 , 40 Suppl 1, S51-8; discussion S64-6	39
341	Activity-dependent regulation of GABAA receptors. 1999 , 868, 654-66	14
340	Emerging insights into the genesis of epilepsy. 1999 , 399, A15-22	244

339	Memory formation and the regulation of gene expression. 1999 , 55, 575-92		76
338	Patients with temporal lobe epilepsy show an increase in brain-derived neurotrophic factor protein and its correlation with neuropeptide Y. <i>Brain Research</i> , 1999 , 818, 579-82	3-7	94
337	Cellular localization of brain-derived neurotrophic factor-like immunoreactivity in adult monkey brain. <i>Brain Research</i> , 1999 , 821, 341-9	3-7	21
336	Effects of YM90K, a selective AMPA receptor antagonist, on amygdala-kindling and long-term hippocampal potentiation in the rat. 1999 , 374, 11-9		34
335	Seizure disorders in mutant mice: relevance to human epilepsies. 1999 , 9, 281-7		55
334	BDNF and NT4/5 promote survival and neurite outgrowth of pontocerebellar mossy fiber neurons. 1999 , 40, 254-269		33
333	Molecular mechanisms underlying activity-dependent regulation of BDNF expression. 1999 , 41, 127-134		135
332	Microsphere embolism-induced elevation of nerve growth factor level and appearance of nerve growth factor immunoreactivity in activated T-lymphocytes in the rat brain. 1999 , 55, 749-61		11
331	Aging impairs axonal sprouting response of dentate granule cells following target loss and partial deafferentation. 1999 , 414, 238-54		48
330	Neurotrophin-mediated potentiation of neuronal injury. 1999 , 45, 276-84		31
329	Distribution of BDNF, NT-3 and NT-4 in the developing auditory brainstem. 1999 , 17, 285-94		51
328	BDNF mediates the effects of testosterone on the survival of new neurons in an adult brain. <i>Neuron</i> , 1999 , 22, 53-62	13-9	244
327	Control of recruitment and transcription-activating function of CBP determines gene regulation by NMDA receptors and L-type calcium channels. <i>Neuron</i> , 1999 , 22, 789-98	13-9	259
326	Brain-derived neurotrophic factor regulates the expression of AMPA receptor proteins in neocortical neurons. 1999 , 88, 1009-14		106
325	Prolonged exposure to elevated levels of endogenous nerve growth factor affects the morphological and neurochemical features of sympathetic neurons of postnatal and adult mice. 1999 , 90, 941-55		15
324	Brain-derived neurotrophic factor infusion delays amygdala and perforant path kindling without affecting paired-pulse measures of neuronal inhibition in adult rats. 1999 , 92, 1367-75		50
323	Brain-derived neurotrophic factor transgenic mice exhibit passive avoidance deficits, increased seizure severity and in vitro hyperexcitability in the hippocampus and entorhinal cortex. 1999 , 93, 1491-506		252
322	Neurotrophin-induced rapid enhancement of membrane potential oscillations in mesencephalic trigeminal neurons. 2000 , 95, 1089-100		16

321	Neuronal death and survival in two models of hypoxic-ischemic brain damage. 1999 , 29, 137-68	142
320	Neuroprotection mediated via neurotrophic factors and induction of neurotrophic factors. 1999 , 30, 176-88	107
319	Activity and injury-dependent expression of inducible transcription factors, growth factors and apoptosis-related genes within the central nervous system. 1999 , 57, 421-50	228
318	Brain-derived neurotrophic factor, nerve growth and neurotrophin-3 selected regions of the rat brain following kainic acid-induced seizure activity. 1999 , 35, 19-29	53
317	Neurotrophins and synaptic plasticity. 1999 , 22, 295-318	1119
316	Brain-derived neurotrophic factor improves long-term potentiation and cognitive functions after transient forebrain ischemia in the rat. 1999 , 159, 511-9	95
315	Cytokine and growth factor involvement in long-term potentiation. 1999 , 14, 273-86	70
314	Immunohistochemical evidence of seizure-induced activation of trk receptors in the mossy fiber pathway of adult rat hippocampus. 1999 , 19, 4616-26	123
313	Function and molecular basis of action of vasopressin 4-8 and its analogues in rat brain. 1998 , 119, 163-75	6
312	Glycerol-induced seizure: involvement of IL-1beta and glutamate. 1999 , 10, 1821-5	22
311	Long-term regulation of excitatory and inhibitory synaptic transmission in hippocampal cultures by brain-derived neurotrophic factor. 2000 , 128, 203-18	37
310	Studies in animal models and humans suggesting a role of nerve growth factor in schizophrenia-like disorders. 2000 , 11, 235-42	37
309	Dynamic regulation of BDNF and NT-3 expression during visual system development. 2000 , 420, 1-18	58
308	Does long-term physical exercise counteract age-related Purkinje cell loss? A stereological study of rat cerebellum. 2000 , 428, 213-222	69
307	Brain-derived neurotrophic factor and tyrosine kinase receptor TrkB in rat brain are significantly altered after haloperidol and risperidone administration. 2000 , 60, 783-94	153
306	Increase in neurotrophin-3 expression followed by Purkinje cell degeneration in the adult rat cerebellum after spinal cord transection. 2000 , 62, 668-74	7
305	Cellular abnormalities and synaptic plasticity in seizure disorders of the immature nervous system. 2000 , 6, 258-67	51
304	Overexpression of neuropeptide Y induced by brain-derived neurotrophic factor in the rat hippocampus is long lasting. <i>European Journal of Neuroscience</i> , 2000 , 12, 595-605	3.5 67

303	Electrical stimulation accelerates and increases expression of BDNF and trkB mRNA in regenerating rat femoral motoneurons. <i>European Journal of Neuroscience</i> , 2000 , 12, 4381-4390	3.5	24
302	Enhancement of progenitor cell division in the dentate gyrus triggered by initial limbic seizures in rat models of epilepsy. 2000 , 41, 10-8		157
301	Different patterns of induction of fibroblast growth factor-2 and brain-derived neurotrophic factor messenger RNAs during kindling epileptogenesis, and development of a herpes simplex vector for fibroblast growth factor-2 gene transfer in vivo. 2000 , 41 Suppl 6, S122-6		15
300	Sex-specific effects of in utero manipulation of GABA(A) receptors on pre- and postnatal expression of BDNF in rats. 2000 , 121, 157-67		18
299	Specific amygdaloid nuclei are involved in suppression or propagation of epileptiform activity during transition stage between oral automatisms and generalized clonic seizures. <i>Brain Research</i> , 2000 , 873, 1-17	3.7	18
298	Involvement of brain-derived neurotrophic factor in spatial memory formation and maintenance in a radial arm maze test in rats. 2000 , 20, 7116-21		441
297	A relationship between behavior, neurotrophin expression, and new neuron survival. 2000 , 97, 8584-9		176
296	Development and persistence of kindling epilepsy are impaired in mice lacking glial cell line-derived neurotrophic factor family receptor alpha 2. 2000 , 97, 12312-7		35
295	Chronic antipsychotic treatment selectively alters nerve growth factor and neuropeptide Y immunoreactivity and the distribution of choline acetyl transferase in rat brain regions. 2000 , 3, 13-25		45
294	Genetic dissection of the signals that induce synaptic reorganization. 2000 , 161, 139-52		49
293	Dexamethasone induces TrkA and p75NTR immunoreactivity in the cerebral cortex and hippocampus. 2000 , 162, 257-67		11
292	Brain-derived neurotrophic factor delays hippocampal kindling in the rat. 2000 , 100, 777-88		74
291	Increased synaptic inhibition in dentate gyrus of mice with reduced levels of endogenous brain-derived neurotrophic factor. 2000 , 101, 531-9		31
290	Changes in the distribution and connectivity of interneurons in the epileptic human dentate gyrus. 2000 , 96, 7-25		139
289	Seizures and sensory stimulation result in different patterns of brain derived neurotrophic factor protein expression in the barrel cortex and hippocampus. 2000 , 78, 1-14		39
288	Data and hypotheses on the role of nerve growth factor and other neurotrophins in psychiatric disorders. 2000 , 55, 199-207		35
287	GABA(B) receptor antagonists elevate both mRNA and protein levels of the neurotrophins nerve growth factor (NGF) and brain-derived neurotrophic factor (BDNF) but not neurotrophin-3 (NT-3) in brain and spinal cord of rats. 2000 , 39, 449-62		78
286	Regulation of X-chromosome-linked inhibitor of apoptosis protein in kainic acid-induced neuronal death in the rat hippocampus. 2001 , 17, 364-72		63

285	Long-lasting induction of brain-derived neurotrophic factor is restricted to resistant cell populations in an animal model of status epilepticus. 2001 , 103, 955-69		8
284	Changes in the mRNAs encoding voltage-gated sodium channel types II and III in human epileptic hippocampus. 2001 , 106, 275-85		71
283	BDNF synthesis in spiral ganglion neurons is constitutive and CREB-dependent. 2001 , 156, 53-68		60
282	Brain-derived neurotrophic factor in the control human brain, and in Alzheimer's disease and Parkinson's disease. 2001 , 63, 71-124		673
281	The role of cytokines and growth factors in seizures and their sequelae. 2001 , 63, 125-49		194
280	Transient changes of brain-derived neurotrophic factor (BDNF) mRNA expression in hippocampus during moderate ischemia induced by chronic bilateral common carotid artery occlusions in the rat. 2001 , 92, 157-66		46
279	Decreased hippocampal BDNF expression after acute systemic injection of quinpirole. 2001 , 40, 954-7		9
278	Calcium regulation of neuronal gene expression. 2001 , 98, 11024-31		832
277	Regional differences in neurotrophin availability regulate selective expression of VGF in the developing limbic cortex. 2001 , 21, 9315-24		30
276	Rapid kindling of the hippocampus protects against neural damage resulting from status epilepticus. 2001 , 12, 453-7		15
275	The induction of BDNF and c-fos mRNA in the hippocampal formation after febrile seizures. 2001 , 12, 3243-6		9
274	Involvement of nitric oxide in pentylenetetrazole-induced kindling in rats. 2000 , 74, 792-8		39
273	BDNF reduces miniature inhibitory postsynaptic currents by rapid downregulation of GABA(A) receptor surface expression. <i>European Journal of Neuroscience</i> , 2001 , 13, 1320-8	3.5	196
272	Kindling of claustrum and insular cortex: comparison to perirhinal cortex in the rat. <i>European Journal of Neuroscience</i> , 2001 , 13, 1501-19	3.5	30
271	Absence of hippocampal mossy fiber sprouting in transgenic mice overexpressing brain-derived neurotrophic factor. 2001 , 64, 268-76		35
270	Regulation of brain-derived neurotrophic factor transcripts by neuronal activation in rat hypothalamic neurons. 2001 , 66, 377-89		18
269	Developmental and stress-related changes of neurotrophic factor gene expression in an animal model of schizophrenia. 2001 , 6, 285-92		68
268	Neurotrophins as synaptic modulators. 2001 , 2, 24-32		1444

267	Effects of age and gender on the expression of brain-derived neurotrophic factor mRNA in rat retrosplenial cortex following administration of dizocilpine. 2001 , 25, 258-66		24
266	Induction of brain-derived neurotrophic factor by convulsant drugs in the rat brain: involvement of region-specific voltage-dependent calcium channels. 2001 , 77, 71-83		40
265	Epilepsy as an example of neural plasticity. 2002 , 8, 154-73		94
264	From acquisition to consolidation: on the role of brain-derived neurotrophic factor signaling in hippocampal-dependent learning. <i>Learning and Memory</i> , 2002 , 9, 224-37	2.8	521
263	Excitatory amino acids differentially regulate the expression of GDNF, neurturin, and their receptors in the adult rat striatum. 2002 , 174, 243-52		42
262	Spontaneous limbic seizures after intrahippocampal infusion of brain-derived neurotrophic factor. 2002 , 174, 201-14		156
261	Seizure-induced neurogenesis: are more new neurons good for an adult brain?. 2002 , 135, 121-31		147
260	Pre- and post-synaptic modification by neurotrophins. 2002 , 43, 193-9		11
259	Continuous infusion of neurotrophin-3 triggers sprouting, decreases the levels of TrkA and TrkC, and inhibits epileptogenesis and activity-dependent axonal growth in adult rats. 2002 , 115, 1295-308		62
258	Prolonged seizures increase proliferating neuroblasts in the adult rat subventricular zone-olfactory bulb pathway. 2002 , 22, 3174-88		278
257	Environmental influences on brain neurotrophins in rats. 2002 , 73, 167-75		147
256	BDNF mRNA expression during postnatal development, maturation and aging of the human prefrontal cortex. 2002 , 139, 139-50		132
255	Pilocarpine-induced seizure-like activity with increased BDNF and neuropeptide Y expression in organotypic hippocampal slice cultures. <i>Brain Research</i> , 2002 , 950, 103-18	3.7	36
254	Neuronal expression and regulation of rat inhibitor of apoptosis protein-2 by kainic acid in the rat brain. <i>European Journal of Neuroscience</i> , 2002 , 15, 87-100	3.5	11
253	Analysis on the promoter region of exon IV brain-derived neurotrophic factor in NG108-15 cells. 2002 , 83, 67-79		37
252	Decreased BDNF signalling in transgenic mice reduces epileptogenesis. <i>European Journal of Neuroscience</i> , 2002 , 15, 721-34	3.5	93
251	Electroconvulsive shock reduces inositol 1,4,5-trisphosphate 3-kinase mRNA expression in rat dentate gyrus. 1994 , 63, 1991-4		25
250	Opposite regulation of basic fibroblast growth factor and nerve growth factor gene expression in rat cortical astrocytes following dexamethasone treatment. 1995 , 64, 2526-33		46

249	Effect of nerve growth factor in ethylcholine mustard aziridinium (AF64A)-treated rats: sensitization of cholinergic enzyme activity in the septohippocampal pathway. 1995 , 65, 856-62	9
248	Denervation, but not decentralization, reduces nerve growth factor content of the mesenteric artery. 1996 , 66, 2295-9	22
247	Differential regulation of hippocampal neurotrophins during aging in rats. 1996 , 67, 1124-31	54
246	Cholinergic control of nerve growth factor in adult rats: evidence from cortical cholinergic deafferentation and chronic drug treatment. 1997 , 69, 947-53	28
245	The role of seizure-induced neurogenesis in epileptogenesis and brain repair. 2002 , 50, 179-89	125
244	Activation of BDNF mRNA and protein after seizures in hyperbaric oxygen: implications for sensitization to seizures in re-exposures. 2002 , 27, 1649-53	11
243	Presynaptic modulation controlling neuronal excitability and epileptogenesis: role of kainate, adenosine and neuropeptide Y receptors. 2003 , 28, 1501-15	38
242	Induction of klf-1 after repeated electroconvulsive treatment and chronic antidepressant treatment in rat frontal cortex and hippocampus. 2003 , 110, 277-85	13
241	Hippocampal neurotrophin levels in a kainate model of temporal lobe epilepsy: a lack of correlation between brain-derived neurotrophic factor content and progression of aberrant dentate mossy fiber sprouting. 2003 , 87, 147-59	82
240	Truncation of the Shaker-like voltage-gated potassium channel, Kv1.1, causes megencephaly. <i>European Journal of Neuroscience</i> , 2003 , 18, 3231-40	3-5 49
239	Synaptic plasticity and cell cycle activation in neurons are alternative effector pathways: the Dr. Jekyll and Mr. Hyde concept of Alzheimer's disease or the yin and yang of neuroplasticity. 2003 , 71, 83-248	158
238	Neurotrophin secretion: current facts and future prospects. 2003 , 69, 341-74	498
237	Transient downregulation of Sema3A mRNA in a rat model for temporal lobe epilepsy. A novel molecular event potentially contributing to mossy fiber sprouting. 2003 , 182, 142-50	74
236	Association study of the brain-derived neurotrophic factor (BDNF) gene with bipolar disorder. 2003 , 337, 17-20	123
235	Generalization of rapidly recurring seizures is suppressed in mice lacking glial cell line-derived neurotrophic factor family receptor alpha2. 2003 , 118, 845-52	4
234	Persistent regional increases in brain-derived neurotrophic factor in the flurothyl model of epileptogenesis are dependent upon the kindling status of the animal. 2003 , 121, 1031-45	10
233	Neurotrophins. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 513, 303-34	3.6 51
232	Experimental focal ischemic injury: behavior-brain interactions and issues of animal handling and housing. 2003 , 44, 130-43	28

231	BDNF regulates spontaneous correlated activity at early developmental stages by increasing synaptogenesis and expression of the K ⁺ /Cl ⁻ co-transporter KCC2. <i>Development (Cambridge)</i> , 2003 , 130, 1267-80	6.6	228
230	BDNF and activity-dependent synaptic modulation. <i>Learning and Memory</i> , 2003 , 10, 86-98	2.8	703
229	Derepression of BDNF transcription involves calcium-dependent phosphorylation of MeCP2. 2003 , 302, 885-9		1003
228	Upstream stimulatory factors are mediators of Ca ²⁺ -responsive transcription in neurons. 2003 , 23, 2572-81		144
227	Neurotrophic factors and CNS disorders: findings in rodent models of depression and schizophrenia. 2004 , 146, 151-65		90
226	Brain-derived neurotrophic factor mRNA and protein are targeted to discrete dendritic laminae by events that trigger epileptogenesis. 2004 , 24, 6842-52		124
225	Induction of long-term potentiation and depression is reflected by corresponding changes in secretion of endogenous brain-derived neurotrophic factor. 2004 , 101, 15788-92		190
224	Reduction of Plasma Levels of Neurotrophins by Laughter in Patients with Atopic Dermatitis. 2004 , 17, 131-135		2
223	Physiology of BDNF: focus on hypothalamic function. 2004 , 25, 77-107		254
222	Neurotrophin expression in the hippocampus and cerebellum is affected by chronic placental insufficiency in the late gestational ovine fetus. 2004 , 153, 243-50		9
221	Altered expression of BDNF and its high-affinity receptor TrkB in response to complex motor learning and moderate exercise. <i>Brain Research</i> , 2004 , 1028, 92-104	3.7	145
220	Ontogeny of seizure-induced increases in BDNF immunoreactivity and TrkB receptor activation in rat hippocampus. 2004 , 14, 345-55		35
219	Activin mRNA induced during amygdala kindling shows a spatiotemporal progression that tracks the spread of seizures. 2004 , 476, 91-102		29
218	Hippocampal neurotrophin levels after injury: Relationship to the age of the hippocampus at the time of injury. 2004 , 78, 520-32		83
217	In vivo upregulation of endogenous NGF in the rat brain by the alpha2-adrenoreceptor antagonist dexefaroxan: potential role in the protection of the basalcortical cholinergic system during neurodegeneration. 2004 , 190, 384-95		13
216	Levetiracetam prevents changes in levels of brain-derived neurotrophic factor and neuropeptide Y mRNA and of Y1- and Y5-like receptors in the hippocampus of rats undergoing amygdala kindling: implications for antiepileptogenic and mood-stabilizing properties. 2004 , 5, 204-15		41
215	Kindling and status epilepticus models of epilepsy: rewiring the brain. 2004 , 73, 1-60		637
214	The effects of brain-derived neurotrophic factor (BDNF) administration on kindling induction, Trk expression and seizure-related morphological changes. 2004 , 126, 521-31		78

213	Differential expression of brain-derived neurotrophic factor transcripts after pilocarpine-induced seizure-like activity is related to mode of Ca ²⁺ entry. 2004 , 126, 665-76	34
212	Brain-derived neurotrophic factor. 2004 , 22, 123-31	891
211	Effects of exposure to chronic placental insufficiency on the postnatal brain and retina in sheep. 2004 , 63, 1131-43	22
210	Environmental enrichment facilitates amygdala kindling but reduces kindling-induced fear in male rats. 2004 , 118, 1128-33	15
209	Kindling, Neurotrophins and Axon-Guidance Factors. 2005 , 229-240	
208	Regulation of Trophic Factor Expression by Innervating Target Regions in Intraocular Double Transplants. 2005 , 14, 21-29	14
207	Brain-derived neurotrophic factor and epilepsy--a missing link?. 2005 , 5, 83-8	80
206	Epigenetic mechanisms in memory formation. 2005 , 6, 108-18	603
205	Kainate-induced zinc translocation from presynaptic terminals causes neuronal and astroglial cell death and mRNA loss of BDNF receptors in the hippocampal formation and amygdala. 2005 , 82, 184-95	13
204	Lack of TrkB and TrkC signaling alters the synaptogenesis and maturation of mossy fiber terminals in the hippocampus. 2005 , 319, 349-58	37
203	Future research: a clinical prospective. 2005 , 458-474	
202	Kindling 6. 2005 ,	3
201	Adult neurogenesis: from precursors to network and physiology. 2005 , 85, 523-69	803
200	Effects of a 14-day period of hindpaw sensory restriction on mRNA and protein levels of NGF and BDNF in the hindpaw primary somatosensory cortex. 2005 , 133, 78-86	19
199	Neuronal activity regulates the developmental expression and subcellular localization of cortical BDNF mRNA isoforms in vivo. 2005 , 28, 556-70	105
198	Differential actions of nerve growth factor receptors TrkA and p75NTR in a rat model of epileptogenesis. 2005 , 29, 162-72	14
197	A "deficient environment" in prenatal life may compromise systems important for cognitive function by affecting BDNF in the hippocampus. 2005 , 192, 235-43	36
196	Differential effects of endogenous brain-derived neurotrophic factor on the survival of axotomized sensory neurons in dorsal root ganglia: a possible role for the p75 neurotrophin receptor. 2005 , 132, 591-603	35

195	Seizures accelerate functional integration of adult-generated granule cells. 2006 , 26, 4095-103		211
194	Receptor tyrosine kinase B-mediated excitatory synaptogenesis. 2006 , 157, 15-24		37
193	Endogenous opioids upregulate brain-derived neurotrophic factor mRNA through delta- and micro-opioid receptors independent of antidepressant-like effects. <i>European Journal of Neuroscience</i> , 2006 , 23, 984-94	3.5	59
192	Brain-derived neurotrophic factor (BDNF)-induced synthesis of early growth response factor 3 (Egr3) controls the levels of type A GABA receptor alpha 4 subunits in hippocampal neurons. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29431-5	5.4	100
191	Influence of differential housing on emotional behaviour and neurotrophin levels in mice. 2006 , 169, 10-20		139
190	c-fos modulates brain-derived neurotrophic factor mRNA expression in mouse hippocampal CA3 and dentate gyrus neurons. 2006 , 400, 177-80		35
189	Modulation of BDNF and TrkB expression in rat hippocampus in response to acute neurotoxicity by diethylthiocarbamate. 2006 , 410, 66-70		5
188	The tyrosine receptor kinase B ligand, neurotrophin-4, is not required for either epileptogenesis or tyrosine receptor kinase B activation in the kindling model. 2006 , 141, 515-20		9
187	Epilepsia do lobo temporal mesial associada à esclerose hipocampal. 2006 , 12, 31-36		5
186	Nerve growth factor increases in pancreatic beta cells after streptozotocin-induced damage in rats. 2006 , 231, 396-402		28
185	Injury-induced axonal sprouting in the hippocampus is initiated by activation of trkB receptors. <i>European Journal of Neuroscience</i> , 2006 , 24, 1857-66	3.5	31
184	Identification of the isoforms of Ca ²⁺ /calmodulin-dependent protein kinase II and expression of brain-derived neurotrophic factor mRNAs in the substantia nigra. 2006 , 96, 195-203		15
183	β-Adrenoceptor Agonist Clenbuterol Causes NGF Expression and Neuroprotection. 2006 , 5, 347-364		6
182	Hippocampal neurons recycle BDNF for activity-dependent secretion and LTP maintenance. 2006 , 25, 4372-80		95
181	Molecular signaling mechanisms underlying epileptogenesis. 2006 , 2006, re12		165
180	What is the biological significance of BDNF mRNA targeting in the dendrites? Clues from epilepsy and cortical development. 2006 , 33, 17-32		47
179	Differential regulation of c-Fos and FosB in the rat brain after amygdala kindling. 2006 , 26, 87-100		15
178	Aberrant seizure-induced neurogenesis in experimental temporal lobe epilepsy. 2006 , 59, 81-91		278

177	Regulation of cortical interneurons by neurotrophins: from development to cognitive disorders. 2006 , 12, 43-56	104
176	Immunohistochemical distribution of NGF, BDNF, NT-3, and NT-4 in adult rhesus monkey brains. 2007 , 55, 1-19	64
175	Sympathetic sprouting near sensory neurons after nerve injury occurs preferentially on spontaneously active cells and is reduced by early nerve block. 2007 , 97, 492-502	44
174	Effects of manganese complexes of curcumin and diacetylcurcumin on kainic acid-induced neurotoxic responses in the rat hippocampus. 2007 , 30, 1732-9	50
173	NT-3 modulates BDNF and proBDNF levels in naïve and kindled rat hippocampus. 2007 , 50, 866-71	16
172	Neurotrophins in the dentate gyrus. 2007 , 163, 371-97	29
171	Influence of endogenous and exogenous sex hormones on plasma brain-derived neurotrophic factor. 2007 , 22, 995-1002	175
170	Hippocampal mossy fiber sprouting and elevated trkB receptor expression following systemic administration of low dose domoic acid during neonatal development. 2007 , 17, 1121-33	45
169	Levetiracetam: the profile of a novel anticonvulsant drug-part I: preclinical data. 2007 , 13, 43-56	54
168	CRE-mediated transcription and COX-2 expression in the pilocarpine model of status epilepticus. 2007 , 25, 80-91	53
167	Increase of brain-derived neurotrophic factor gene expression in NG108-15 cells by the nuclear isoforms of Ca ²⁺ /calmodulin-dependent protein kinase II. 2000 , 74, 1913-22	29
166	Induction of brain-derived neurotrophic factor by convulsant drugs in the rat brain: involvement of region-specific voltage-dependent calcium channels. 2008 , 77, 71-83	4
165	Different effects of mild and severe seizures on hippocampal neurogenesis in adult rats. 2008 , 18, 460-8	44
164	Integration of adult generated neurons during epileptogenesis. 2008 , 49 Suppl 5, 3-12	44
163	BDNF and the diseased nervous system: a delicate balance between adaptive and pathological processes of gene regulation. 2008 , 105, 1-17	120
162	Neuroprotective effect of sonic hedgehog up-regulated in Schwann cells following sciatic nerve injury. 2008 , 107, 918-27	59
161	Interaction between neuropeptide Y (NPY) and brain-derived neurotrophic factor in NPY-mediated neuroprotection against excitotoxicity: a role for microglia. <i>European Journal of Neuroscience</i> , 2008 , 27, 2089-102	3.5 44
160	Epigenetics [Chromatin Structure and Rett Syndrome. 2008 , 859-878	

159	MANF is widely expressed in mammalian tissues and differently regulated after ischemic and epileptic insults in rodent brain. 2008 , 39, 356-71	126
158	Activity-dependent expression of brain-derived neurotrophic factor in dendrites: facts and open questions. 2008 , 61, 335-46	91
157	Gender differences in susceptibility to kainic acid-induced neurodegeneration in aged C57BL/6 mice. 2008 , 29, 406-12	35
156	A brief history of neuronal gene expression: regulatory mechanisms and cellular consequences. <i>Neuron</i> , 2008 , 60, 449-55	13.9 28
155	Progress in neuroprotective strategies for preventing epilepsy. 2008 , 84, 363-404	139
154	Latent stem and progenitor cells in the hippocampus are activated by neural excitation. 2008 , 28, 5240-7	98
153	Reelin Glycoprotein. 2008 ,	6
152	MeCP2-dependent repression of an imprinted miR-184 released by depolarization. 2008 , 17, 1192-9	123
151	NEUROTROPHIC FACTORS Role of BDNF in Animal Models of Epilepsy. 2009 , 936-941	3
150	The function of activity-regulated genes in the nervous system. 2009 , 89, 1079-103	169
149	Neurotrophic factors in serum following ECT: a pilot study. 2009 , 10, 295-301	38
148	Progesterone, BDNF and neuroprotection in the injured CNS. <i>International Journal of Neuroscience</i> , 2009 , 119, 1718-40	2 18
147	Reduction of TrkB expression de novo in the adult mouse impairs epileptogenesis in the kindling model. 2010 , 20, 713-23	25
146	Olfactory association learning and brain-derived neurotrophic factor in an animal model of early deprivation. 2009 , 51, 333-44	18
145	Roles of astrocytes and microglia in seizure-induced aberrant neurogenesis in the hippocampus of adult rats. 2010 , 88, 519-29	46
144	Activity-dependent dendritic release of BDNF and biological consequences. 2009 , 39, 37-49	122
143	Seizure activity involved in the up-regulation of BDNF mRNA expression by activation of central mu opioid receptors. 2009 , 161, 301-10	24
142	NMDA-mediated and self-induced bdnf exon IV transcriptions are differentially regulated in cultured cortical neurons. 2009 , 54, 385-92	32

141	Orexins increase mRNA expressions of neurotrophin-3 in rat primary cortical neuron cultures. 2009 , 450, 132-5	23
140	Brain-derived neurotrophic factor in patients with normal-tension glaucoma. 2009 , 80, 635-8	44
139	Increase of GABAA receptor-mediated tonic inhibition in dentate granule cells after traumatic brain injury. 2010 , 38, 464-75	54
138	Whisker stimulation increases expression of nerve growth factor- and interleukin-1beta-immunoreactivity in the rat somatosensory cortex. <i>Brain Research</i> , 2010 , 1333, 48-56 3-7	35
137	Neurotrophic factors in brain development. 85-98	
136	The Neurotrophin Factors. 2010 , 2631-2645	
135	Disruption of TrkB-mediated phospholipase Cgamma signaling inhibits limbic epileptogenesis. 2010 , 30, 6188-96	54
134	Decreased serum BDNF levels in patients with epileptic and psychogenic nonepileptic seizures. 2010 , 75, 1285-91	65
133	Normal hearing is required for the emergence of long-lasting inhibitory potentiation in cortex. 2010 , 30, 331-41	46
132	Regulatory role of monoamine neurotransmitters in astrocytic NT-3 synthesis. 2010 , 28, 13-9	28
131	Striatum-hippocampus balance: from physiological behavior to interneuronal pathology. 2011 , 94, 102-14	31
130	Functional integration of new hippocampal neurons following insults to the adult brain is determined by characteristics of pathological environment. 2011 , 229, 484-93	48
129	Brain-derived neurotrophic factor as a biomarker in primary open-angle glaucoma. 2011 , 88, 80-5	45
128	A high cholesterol diet given to apolipoprotein E-knockout mice has a differential effect on the various neurotrophin systems in the hippocampus. 2011 , 26, 185-94	7
127	Regulators of synaptic transmission: roles in the pathogenesis and treatment of epilepsy. 2012 , 53 Suppl 9, 41-58	82
126	Epigenetics and epilepsy. 2012 , 53 Suppl 9, 2-10	62
125	[Precursors and propeptides of neurotrophic factors as the modulators of biological activity of its mature forms]. 2012 , 38, 515-23	
124	Brain-derived neurotrophic factor (BDNF) and its role in the functioning of the central nervous system. 2012 , 6, 251-259	12

123	Correlation of cognitive performance and morphological changes in neocortical pyramidal neurons in aging. 2012 , 33, 1466-80		20
122	Activity maintains structural plasticity of mossy fiber terminals in the hippocampus. 2012 , 50, 260-71		5
121	Tissue plasminogen activator does not alter development of acquired epilepsy. 2012 , 53, 1998-2004		34
120	Isolation rearing attenuates social interaction-induced expression of immediate early gene protein products in the medial prefrontal cortex of male and female rats. 2012 , 107, 440-50		81
119	Activity-dependent human brain coding/noncoding gene regulatory networks. 2012 , 192, 1133-48		135
118	Calcium homeostasis in aging neurons. 2012 , 3, 200		59
117	Upregulation of brain-derived neurotrophic factor expression in nodose ganglia and the lower brainstem of hypertensive rats. 2013 , 91, 220-9		13
116	Transient domoic acid excitotoxicity increases BDNF expression and activates both MEK- and PKA-dependent neurogenesis in organotypic hippocampal slices. 2013 , 14, 72		22
115	Antidepressant therapy in epilepsy: can treating the comorbidities affect the underlying disorder?. <i>British Journal of Pharmacology</i> , 2013 , 168, 1531-54	8.6	64
114	A novel anticonvulsant modulates voltage-gated sodium channel inactivation and prevents kindling-induced seizures. 2013 , 126, 651-61		8
113	Long-term exercise is a potent trigger for FosB induction in the hippocampus along the dorso-ventral axis. <i>PLoS ONE</i> , 2013 , 8, e81245	3.7	24
112	Mice with a conditional deletion of the neurotrophin receptor TrkB are dwarfed, and are similar to mice with a MAPK14 deletion. <i>PLoS ONE</i> , 2013 , 8, e66206	3.7	10
111	p75NTR, but not proNGF, is upregulated following status epilepticus in mice. 2014 , 6,		32
110	Enhanced mossy fiber sprouting and synapse formation in organotypic hippocampal cultures following transient domoic acid excitotoxicity. 2014 , 25, 402-10		10
109	Neurotrophic Factors. <i>Handbook of Experimental Pharmacology</i> , 2014 ,	3.2	24
108	Neurotrophins: transcription and translation. <i>Handbook of Experimental Pharmacology</i> , 2014 , 220, 67-100,2		68
107	Post-stroke recovery: the role of activity-dependent release of brain-derived neurotrophic factor. 2014 , 14, 1335-44		68
106	Definition of a Bidirectional Activity-Dependent Pathway Involving BDNF and Narp. 2015 , 13, 1747-56		20

105	Vulnerability of the medial frontal corticospinal projection accompanies combined lateral frontal and parietal cortex injury in rhesus monkey. 2015 , 523, 669-97	20
104	Aberrant hippocampal neurogenesis after limbic kindling: Relationship to BDNF and hippocampal-dependent memory. 2015 , 47, 83-92	30
103	Cellular mechanisms of activity-dependent BDNF expression in primary sensory neurons. 2015 , 310, 665-73	12
102	Hyperactivation of BDNF-TrkB signaling cascades in human hypothalamic hamartoma (HH): a potential mechanism contributing to epileptogenesis. 2015 , 21, 164-72	11
101	Rapid Increases in proBDNF after Pilocarpine-Induced Status Epilepticus in Mice Are Associated with Reduced proBDNF Cleavage Machinery. 2016 , 3,	27
100	Neuronal activity controls Bdnf expression via Polycomb de-repression and CREB/CBP/JMJD3 activation in mature neurons. 2016 , 7, 11081	59
99	Which insights have we gained from the kindling and post-status epilepticus models?. 2016 , 260, 96-108	45
98	Zinc Interactions With Brain-Derived Neurotrophic Factor and Related Peptide Fragments. 2017 , 104, 29-56	4
97	Increased Expression of Brain-Derived Neurotrophic Factor Transcripts I and VI, cAMP Response Element Binding, and Glucocorticoid Receptor in the Cortex of Patients with Temporal Lobe Epilepsy. 2018 , 55, 3698-3708	18
96	Auditory deprivation modifies the expression of brain-derived neurotrophic factor and tropomyosin receptor kinase B in the rat auditory cortex. 2017 , 12, 34-40	4
95	Polymorphism of the brain-derived neurotrophic factor and dynamics of the seizure threshold of electroconvulsive therapy. 2017 , 267, 787-794	
94	mGluR5 Tunes NGF/TrkA Signaling to Orient Spiny Stellate Neuron Dendrites Toward Thalamocortical Axons During Whisker-Barrel Map Formation. 2018 , 28, 1991-2006	11
93	Neuronal PAS domain protein 4 (Npas4) controls neuronal homeostasis in pentylenetetrazole-induced epilepsy through the induction of Homer1a. 2018 , 145, 19-33	11
92	Brain-derived neurotrophic factor and epilepsy: a systematic review. 2018 , 72, 23-29	55
91	Mechanism of BDNF Modulation in GABAergic Synaptic Transmission in Healthy and Disease Brains. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 273	6.1 40
90	Expression analysis of GRIN2B, BDNF, and IL-1 β genes in the whole blood of epileptic patients. <i>Neurological Sciences</i> , 2018 , 39, 1945-1953	3.5 5
89	Effects of chronic systemic low-impact ampakine treatment on neurotrophin expression in rat brain. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 105, 540-544	7.5 8
88	Don't forget astrocytes when targeting Alzheimer's disease. <i>British Journal of Pharmacology</i> , 2019 , 176, 3585-3598	8.6 18

87	Loss of TrkB Signaling Due to Status Epilepticus Induces a proBDNF-Dependent Cell Death. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 4	6.1	5
86	Cortistatin-expressing interneurons require TrkB signaling to suppress neural hyper-excitability. <i>Brain Structure and Function</i> , 2019 , 224, 471-483	4	3
85	A brief primer on the mediational role of BDNF in the exercise-memory link. <i>Clinical Physiology and Functional Imaging</i> , 2019 , 39, 9-14	2.4	65
84	The potential effects of anticonvulsant drugs on neuropeptides and neurotrophins in pentylenetetrazol kindled seizures in the rat. <i>International Journal of Neuroscience</i> , 2020 , 130, 193-203	2	7
83	Lrp4 in hippocampal astrocytes serves as a negative feedback factor in seizures. <i>Cell and Bioscience</i> , 2020 , 10, 135	9.8	0
82	Lack of antidepressant effects of burst-suppressing isoflurane anesthesia in adult male Wistar outbred rats subjected to chronic mild stress. <i>PLoS ONE</i> , 2020 , 15, e0235046	3.7	2
81	Chronic Stress Weakens Connectivity in the Prefrontal Cortex: Architectural and Molecular Changes. <i>Chronic Stress</i> , 2021 , 5, 24705470211029254	3	6
80	Fenofibrate protects the neurovascular unit and ameliorates plasma corticosterone levels in pentylenetetrazole-induced kindling seizure in mice. <i>Brain Research</i> , 2021 , 1758, 147343	3.7	2
79	Intersecting Genetics with Lifestyle: the Role of Exercise and Diet in Synaptic Plasticity and Cognitive Enhancement. 337-375		1
78	Activity-Dependent Regulation of Brain-derived neurotrophic factor Transcription. 155-173		2
77	A Tale of Two Genes: Reelin and BDNF. 2008 , 237-250		0
76	Trophic Factors as Therapeutic Agents for Diseases Characterized by Neuronal Death. 1999 , 545-591		4
75	Neural growth, neural damage and neurotrophins in the kindling model of epilepsy. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 497, 149-70	3.6	11
74	Neuronal Growth and Neuronal Loss in Kindling Epileptogenesis. <i>Advances in Behavioral Biology</i> , 1998 , 193-209		3
73	Kindling: A Pathologic Activity-Driven Structural and Functional Plasticity in Mature Brain. <i>Advances in Behavioral Biology</i> , 1998 , 245-254		1
72	Kindling Induces Long-Term Changes in Gene Expression. <i>Advances in Behavioral Biology</i> , 1998 , 267-284		4
71	Protective Effects of Brain-Derived Neurotrophic Factor in Hippocampal Kindling. <i>Advances in Behavioral Biology</i> , 1998 , 409-420		1
70	The role of BDNF in epilepsy and other diseases of the mature nervous system. <i>Advances in Experimental Medicine and Biology</i> , 2004 , 548, 34-56	3.6	55

69	Neurotrophins and cortical development. <i>Results and Problems in Cell Differentiation</i> , 2002 , 39, 89-112	1.4	22
68	Epileptogenesis: Biochemical Aspects. <i>Handbook of Experimental Pharmacology</i> , 1999 , 87-121	3.2	1
67	Differential expression of immediate-early genes during synaptic plasticity, seizures and brain injury suggests specific functions for these molecules in brain neurons. 1995 , 35-50		1
66	Neurotrophins and their Receptors. <i>Research and Perspectives in Neurosciences</i> , 1992 , 180-200		1
65	Cellular Immediate-Early Genes in the Nervous System: Genes for All Reasons?. 1994 , 301-315		3
64	Neurotrophins in the Developing Avian Visual System. 1995 , 143-153		1
63	Neurotrophins in Kindling Epilepsy: Neuronal Protection or Induction of Sprouting and Epileptogenesis?. 1995 , 417-438		1
62	Chronic Partial Cortical Isolation. 2006 , 477-493		8
61	Identification of TrkB autophosphorylation sites and evidence that phospholipase C-gamma 1 is a substrate of the TrkB receptor.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 5458-5466	5.4	87
60	Brain-derived neurotrophic factor increases neurotrophin-3 expression in cerebellar granule neurons.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 828-830	5.4	51
59	Electrical stimulation accelerates and increases expression of BDNF and trkB mRNA in regenerating rat femoral motoneurons. <i>European Journal of Neuroscience</i> , 2000 , 12, 4381-4390	3.5	47
58	The Cortical Neuron. 1995 ,		11
57	Thirty Years Among Cortical Neurons. 1995 , 3-24		2
56	Cortical Synaptic Transmission: An Overview. 1995 , 27-32		1
55	The Cortical Neuron as an Electrophysiological Unit. 1995 , 33-51		12
54	Structure and Function of Ligand-Gated Channels. 1995 , 67-79		1
53	Synaptic Plasticity in Hippocampus and Neocortex: A Comparison. 1995 , 98-108		4
52	Overview: Basic Elements of the Cortical Network. 1995 , 111-122		11

51	Functions of Local Circuits in Neocortex: Synchrony and Laminae. 1995 , 123-140			19
50	Inhibition in the Cortical Network. 1995 , 141-155			5
49	Thalamocortical Interactions. 1995 , 156-173			1
48	Neurotransmitter Signaling Before the Birth of Neurons. 1995 , 197-209			4
47	Gene Control of Cortical Excitability. 1995 , 210-229			1
46	Development of Cortical Excitation and Inhibition. 1995 , 230-246			4
45	Measurement of Cortical Neurotransmitter Receptors with Radioligand Binding: Insights into the Mechanisms of Kindling-Induced Epilepsy. 1995 , 264-275			3
44	Pathophysiology of Cortical Synapses and Circuits. 1995 , 276-292			1
43	Temporal and spatial regulation of the expression of BAD2, a MAP kinase phosphatase, during seizure, kindling, and long-term potentiation.. <i>Learning and Memory</i> , 1994 , 1, 180-188	2.8		12
42	Role of transforming growth factor-beta isoforms in regulating the expression of nerve growth factor and neurotrophin-3 mRNA levels in embryonic cutaneous cells at different stages of development. <i>Development (Cambridge)</i> , 1994 , 120, 1621-1629	6.6		37
41	UNC-119 suppresses axon branching in <i>C. elegans</i> . <i>Development (Cambridge)</i> , 2001 , 128, 4079-4092	6.6		44
40	Insights from zebrafish and mouse models on the activity and safety of ar-turmerone as a potential drug candidate for the treatment of epilepsy. <i>PLoS ONE</i> , 2013 , 8, e81634	3.7		38
39	CaMKII-Mediated CREB Phosphorylation Is Involved in Ca ²⁺ -Induced BDNF mRNA Transcription and Neurite Outgrowth Promoted by Electrical Stimulation. <i>PLoS ONE</i> , 2016 , 11, e0162784	3.7		52
38	Integrated Response to Neurotrophic Factors. 2003 , 485-496			
37	Signaling networks that control synapse development and cognitive function. <i>Harvey Lectures</i> , 2006 , 102, 73-102			1
36	Seizure-Dependent Regulation of BDNF mRNA in the Rat Brain. <i>Advances in Behavioral Biology</i> , 1992 , 171-183			
35	Neurotrophins in the Adult Brain: Effects on Hippocampal Cholinergic Function Following Deafferentation, and Regulation of Their Expression by Pharmacological Agents and Lesions. 1993 , 241-253			
34	Neurotrophins and neurodegenerative diseases. 1993 , 149-160			

- 33 Expression, Regulation and Receptor Distribution of Neurotrophins in the Mammalian Central Nervous System. **1994**, 123-150
- 32 Håkan Persson Publication List. **1995**, 453-466
- 31 Molecular Determinants of Neurotrophin Actions in the Brain. **1995**, 297-312
- 30 Structure and Regulation of BDNF and NT-4 Genes. **1995**, 235-260 1
- 29 Stimulation of Neurotrophic Factor Expression: Links to Different Forms of Brain Plasticity. **1995**, 275-296 1
- 28 Glutamate Receptors and Neuronal Death: A Beginning. **1995**, 261-263
- 27 Signal Transduction and Protein Phosphorylation. **1995**, 52-66
- 26 Determination of Cellular Phenotype and the Fundamental Organization of Cortical Layering: An Overview. **1995**, 193-196
- 25 Cortical Epileptogenesis in the Developing Human Brain. **1995**, 247-258
- 24 Synaptic Actions of Amino Acid Neurotransmitters. **1995**, 80-97 1
- 23 Clinical Strategies for Neuronal Protection. **1995**, 306-314
- 22 Models of Cortical Networks. **1995**, 174-190
- 21 Pathophysiology of Cortical Areas from Human Epileptics. **1995**, 293-305
- 20 The regulation of nerve growth factor synthesis and delivery to peripheral neurons. **1996**, 171-202
- 19 Neurotrophin-3 and neurotrophin-4/5. **1996**, 219-249 1
- 18 The Role of Activity-Dependent Mechanisms in Pattern Formation in the Retinogeniculate Pathway. **1998**, 309-318 1
- 17 Neurotrophins and Kindling Epileptogenesis. *Advances in Behavioral Biology*, **1998**, 299-312
- 16 Pharmacological Effects of Antisense Oligonucleotide Inhibition of Immediate-Early Response Genes in the CNS. *Handbook of Experimental Pharmacology*, **1998**, 309-339 3-2

15	Effect of AF64A/NGF Treatment on ChAT mRNA Expression in the Septo-Hippocampal Pathway and Striatum. <i>Advances in Behavioral Biology</i> , 1998 , 687-694		
14	Role of Neurotrophic Factors in Cerebral Ischemia. <i>Handbook of Experimental Pharmacology</i> , 1999 , 225-253		
13	Trophic Factors in Experimental Models of Adult Central Nervous System Injury. <i>Cerebral Cortex</i> , 1999 , 129-173		
12	A Role for G β in regulating seizure susceptibility.		0
11	Neuronal Precursor Proliferation and Epileptic Malformations of Cortical Development. 2006 , 309-318		
10	A stimulus paradigm inducing long-term desensitization of AMPA receptors evokes a specific increase in BDNF mRNA in cerebellar slices.. <i>Learning and Memory</i> , 1994 , 1, 230-242	2.8	10
9	Data_Sheet_1.pdf. 2019 ,		
8	Brain-Derived Neurotrophic Factor Inhibits the Function of Cation-Chloride Cotransporter in a Mouse Model of Viral Infection-Induced Epilepsy. <i>Frontiers in Cell and Developmental Biology</i> , 10,	5.7	0
7	Long-term nucleus basalis cholinergic depletion induces attentional deficits and impacts cortical neurons and BDNF levels without affecting the NGF synthesis.		
6	Huntingtin expression influences spontaneous seizure disorder susceptibility in FVN/B mice.		0
5	SNARE protein tomosyn regulates dense core vesicle composition but not exocytosis in mammalian neurons.		0
4	Preface. 1995 , vii-viii		0
3	Copyright Page. 1995 , iv-iv		0
2	Contributors. 1995 , xiii-xvi		0
1	Dedication. 1995 , v-vi		0