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BDNF protein measured by a novel enzyme immunoassay in normal brain and after seizure: partial disagreement with mRNA levels

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#	Paper	IF	Citations
305	Seizure-induced differential expression of messenger RNAs for neurotrophins and their receptors in genetically fast and slow kindling rats. 1996 , 75, 197-207		43
304	Regional brain-derived neurotrophic factor mRNA and protein levels following transient forebrain ischemia in the rat. 1996 , 38, 139-44		81
303	The action of neurotrophins in the development and plasticity of the visual cortex. 1996 , 49, 53-71		114
302	GABAergic stimulation regulates the phenotype of hippocampal interneurons through the regulation of brain-derived neurotrophic factor. 1996 , 16, 565-70		231
301	Physiology of the neurotrophins. 1996 , 19, 289-317		1700
300	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
299	The therapeutic potential of neuropeptide Y. Analgesic, anxiolytic and antihypertensive. 1996 , 52, 371-89		69
298	Delayed kindling development after rapidly recurring seizures: relation to mossy fiber sprouting and neurotrophin, GAP-43 and dynorphin gene expression. 1996 , 712, 19-34		69
297	Physical activity increases mRNA for brain-derived neurotrophic factor and nerve growth factor in rat brain. 1996 , 726, 49-56		734
296	Nerve growth factor (NGF) content in adult rat brain tissues is several-fold higher than generally reported and is largely associated with sedimentable fractions. 1996 , 728, 47-56		28
295	The depolarisation-induced release of [¹²⁵ I]BDNF from brain tissue. 1996 , 743, 40-8		38
294	The BDNF content of postnatal and adult rat brain: the effects of 6-hydroxydopamine lesions in adult brain. 1996 , 97, 297-303		55
293	Retrograde transport of brain-derived neurotrophic factor (BDNF) following infusion in neo- and limbic cortex in rat: relationship to BDNF mRNA expressing neurons. 1996 , 375, 417-44		63
292	Cellular hybridization for BDNF, trkB, and NGF mRNAs and BDNF-immunoreactivity in rat forebrain after pilocarpine-induced status epilepticus. 1996 , 107, 331-47		72
291	Tissue-specific and ontogenetic regulation of LIF protein levels determined by quantitative enzyme immunoassay. 1997 , 14, 279-95		18
290	Anterograde transport of endogenous brain-derived neurotrophic factor in hippocampal mossy fibers. 1997 , 8, 1829-34		113
289	Detection of brain-derived neurotrophic factor in a vesicular fraction of brain synaptosomes. 1997 , 272, 8837-40		106

288	Brain-derived neurotrophic factor in human platelets. 1997 , 54, 207-9	40
287	Suppressed kindling epileptogenesis and perturbed BDNF and TrkB gene regulation in NT-3 mutant mice. 1997 , 145, 93-103	48
286	Truncated trkB receptors on nonneuronal cells inhibit BDNF-induced neurite outgrowth in vitro. 1997 , 148, 616-27	115
285	Synaptic innervation density is regulated by neuron-derived BDNF. 1997 , 18, 257-67	241
284	Neurotrophins and activity-dependent plasticity of cortical interneurons. 1997 , 20, 198-202	183
283	Brain-derived neurotrophic factor is reduced in Alzheimer's disease. 1997 , 49, 71-81	445
282	Nerve growth factors and the control of neurotransmitter phenotype selection in the mammalian central nervous system. 1997 , 53, 27-43	20
281	Expression of brain-derived neurotrophic factor protein in the adult rat central nervous system. 1997 , 78, 431-48	431
280	Brain-derived neurotrophic factor-like immunoreactivity in the adult rat central nervous system predominantly distributed in neurons with substantial amounts of brain-derived neurotrophic factor messenger RNA or responsiveness to brain-derived neurotrophic factor. 1998 , 82, 653-70	46
279	Hyperexcitability in combined entorhinal/hippocampal slices of adult rat after exposure to brain-derived neurotrophic factor. 1997 , 78, 1082-95	142
278	Tissue inhibitor of metalloproteinases-1 (TIMP-1) is differentially induced in neurons and astrocytes after seizures: evidence for developmental, immediate early gene, and lesion response. 1997 , 17, 4223-35	125
277	Hyperglycemia and hypercapnia suppress BDNF gene expression in vulnerable regions after transient forebrain ischemia in the rat. 1997 , 17, 1303-8	21
276	Influence of BDNF on the expression of the dopaminergic phenotype of tissue used for brain transplants. 1997 , 100, 43-51	34
275	Developmental switch in phenotypic expression of preproenkephalin mRNA and 45Ca^{2+} accumulation following kainate-induced status epilepticus. 1997 , 101, 287-93	6
274	Aging in the hippocampus: interrelated actions of neurotrophins and glucocorticoids. 1997 , 21, 615-29	28
273	Gestational exposure to methylmercury alters the developmental pattern of trk-like immunoreactivity in the rat brain and results in cortical dysmorphology. 1998 , 109, 13-31	50
272	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
271	Interneurons of the hippocampus. 1996 , 6, 347-470	2602

270	Attenuation of kindling-induced decreases in NT-3 mRNA by thyroid hormone depletion. 1998 , 29, 211-20	15
269	The role of neuronal growth factors in neurodegenerative disorders of the human brain. 1998 , 27, 1-39	428
268	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
267	Transcript-specific effects of adrenalectomy on seizure-induced BDNF expression in rat hippocampus. 1998 , 55, 81-91	28
266	Brain derived neurotrophic factor is increased in cerebrospinal fluid of children suffering from asphyxia. 1998 , 240, 151-4	51
265	Circadian rhythm of brain-derived neurotrophic factor in the rat suprachiasmatic nucleus. 1998 , 242, 89-92	86
264	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
263	Simultaneous expression of brain-derived neurotrophic factor and neurotrophin-3 in Cajal-Retzius, subplate and ventricular progenitor cells during early development stages of the rat cerebral cortex. 1998 , 84, 115-27	73
262	Distribution of the neurotrophins brain-derived neurotrophic factor, neurotrophin-3, and neurotrophin-4/5 in the postnatal rat brain: an immunocytochemical study. 1998 , 84, 101-14	112
261	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
260	BDNF regulates reelin expression and Cajal-Retzius cell development in the cerebral cortex. 1998 , 21, 305-15	135
259	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
258	Co-infusion with a TrkB-Fc receptor body carrier enhances BDNF distribution in the adult rat brain. 1998 , 152, 20-33	45
257	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
256	Neurotrophic factors in cerebrospinal fluid and serum of patients with Rett syndrome. 1998 , 13, 429-33	34
255	Contributions of the optic tectum and the retina as sources of brain-derived neurotrophic factor for retinal ganglion cells in the chick embryo. 1998 , 18, 2891-906	100
254	Cerebellar brain-derived neurotrophic factor-TrkB defect associated with impairment of eyeblink conditioning in Stargazer mutant mice. 1998 , 18, 6990-9	74
253	Retrograde signaling in the development and modification of synapses. 1998 , 78, 143-70	201

252	Selective inhibition of kindling development by intraventricular administration of TrkB receptor body. 1999 , 19, 1424-36		139
251	Brain-derived neurotrophic factor prevents low-frequency inputs from inducing long-term depression in the developing visual cortex. 1999 , 19, 2122-30		67
250	Long-term enhancement of central synaptic transmission by chronic brain-derived neurotrophic factor treatment. 1999 , 19, 7025-36		92
249	Brain-derived neurotrophic factor differentially regulates retinal ganglion cell dendritic and axonal arborization in vivo. 1999 , 19, 9928-38		210
248	Brain-derived neurotrophic factor and neurotrophin-3 enhance somatostatin gene expression through a likely direct effect on hypothalamic somatostatin neurons. 1999 , 140, 909-16		31
247	Development of neuronal activity and activity-dependent expression of brain-derived neurotrophic factor mRNA in organotypic cultures of rat visual cortex. 1999 , 9, 864-77		32
246	Distinct populations of hypothalamic dopaminergic neurons exhibit differential responses to brain-derived neurotrophic factor (BDNF) and neurotrophin-3 (NT3). <i>European Journal of Neuroscience</i> , 1999 , 11, 617-24	3.5	38
245	Mutual regulation between the intercellular messengers nitric oxide and brain-derived neurotrophic factor in rodent neocortical neurons. <i>European Journal of Neuroscience</i> , 1999 , 11, 1567-76	3.5	52
244	BDNF stimulates expression, activity and release of tissue-type plasminogen activator in mouse cortical neurons. <i>European Journal of Neuroscience</i> , 1999 , 11, 1639-46	3.5	44
243	BDNF and NT-4 differentiate two pathways in the modulation of neuropeptide protein levels in postnatal hippocampal interneurons. <i>European Journal of Neuroscience</i> , 1999 , 11, 1647-56	3.5	20
242	BDNF gene transfer to the mammalian brain using CNS-derived neural precursors. 1999 , 6, 1851-66		36
241	Evidence for neuroprotective effects of endogenous brain-derived neurotrophic factor after global forebrain ischemia in rats. 1999 , 19, 1220-8		108
240	Change of expression of full-length and truncated TrkB _s in the developing monkey central nervous system. 1999 , 112, 21-9		34
239	Patients with temporal lobe epilepsy show an increase in brain-derived neurotrophic factor protein and its correlation with neuropeptide Y. 1999 , 818, 579-82		94
238	BDNF and NT4/5 promote survival and neurite outgrowth of pontocerebellar mossy fiber neurons. 1999 , 40, 254-269		33
237	Are there differences between the secretion characteristics of NGF and BDNF? Implications for the modulatory role of neurotrophins in activity-dependent neuronal plasticity. 1999 , 45, 262-75		102
236	Time course of transient expression of GDNF protein in rat granule cells of the bilateral dentate gyri after unilateral intrahippocampal kainic acid injection. 1999 , 262, 215-8		12
235	Monocular deprivation decreases brain-derived neurotrophic factor immunoreactivity in the rat visual cortex. 1999 , 90, 363-8		41

234	Endogenous neurotrophin-3 is retrogradely transported in the rat sciatic nerve. 1999 , 88, 679-85	21
233	Brain-derived neurotrophic factor, neurotrophin-3 and neurotrophin-4/5 differentially regulate the phenotype and prevent degenerative changes in striatal projection neurons after excitotoxicity in vivo. 1999 , 91, 1257-64	60
232	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
231	Hippocampal BDNF mRNA shows a diurnal regulation, primarily in the exon III transcript. 1999 , 71, 11-22	62
230	Abundant production of brain-derived neurotrophic factor by adult visceral epithelia. Implications for paracrine and target-derived Neurotrophic functions. 1999 , 155, 1183-93	211
229	Immunohistochemical evidence of seizure-induced activation of trk receptors in the mossy fiber pathway of adult rat hippocampus. 1999 , 19, 4616-26	123
228	Kynurenine aminotransferase I (KATI) isoform gene expression in the rat brain: an in situ hybridization study. 1999 , 10, 61-5	14
227	Long-term regulation of excitatory and inhibitory synaptic transmission in hippocampal cultures by brain-derived neurotrophic factor. 2000 , 128, 203-18	37
226	Brain-derived neurotrophic factor but not neurotrophin-3 enhances differentiation of somatostatin neurons in hypothalamic cultures. 2000 , 72, 144-53	26
225	Mapping the differences in the brain concentration of brain-derived neurotrophic factor (BDNF) and nerve growth factor (NGF) in an animal model of depression. 2000 , 11, 1369-73	87
224	Altered mRNA expression for brain-derived neurotrophic factor and type II calcium/calmodulin-dependent protein kinase in the hippocampus of patients with intractable temporal lobe epilepsy. 2000 , 418, 411-22	79
223	Differential expression of neurotrophin and neurotrophin receptor mRNAs in and adjacent to fetal midbrain grafts implanted into the dopamine-denervated striatum. 2000 , 423, 462-73	8
222	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
221	Role played by sodium in activity-dependent secretion of neurotrophins - revisited. <i>European Journal of Neuroscience</i> , 2000 , 12, 3096-106	3.5 13
220	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
219	Neurotrophin 4/5 immunoassay: identification of sources of errors for the quantification of neurotrophins. 2000 , 99, 119-27	9
218	Abnormal expression of brain-derived neurotrophic factor and its receptor in the corticolimbic system of schizophrenic patients. 2000 , 5, 293-300	292
217	Cytokine and growth factor involvement in schizophrenia--support for the developmental model. 2000 , 5, 594-603	172

216	Brain-derived neurotrophic factor blocks long-term depression in solitary neurones cultured from rat visual cortex. 2000 , 524 Pt 1, 195-204	17
215	Expression of neurotrophins BDNF and NT-3, and their receptors in rat brain after administration of antipsychotic and psychotropic agents. 2000 , 14, 27-37	55
214	Brain-derived neurotrophic factor differentially regulates excitatory and inhibitory synaptic transmission in hippocampal cultures. 2000 , 20, 3221-32	174
213	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
212	Positive modulation of AMPA receptors increases neurotrophin expression by hippocampal and cortical neurons. 2000 , 20, 8-21	239
211	A relationship between behavior, neurotrophin expression, and new neuron survival. 2000 , 97, 8584-9	176
210	Differences in the regulation of neuropeptide Y, somatostatin and parvalbumin levels in hippocampal interneurons by neuronal activity and BDNF. 2000 , 128, 193-202	17
209	Extraction and quantification of the neurotrophins. 2001 , 169, 31-41	6
208	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
207	Lesion-induced increase of BDNF is greater in the striatum of young versus old rat brain. 2000 , 161, 392-6	51
206	Brain-derived neurotrophic factor administration after traumatic brain injury in the rat does not protect against behavioral or histological deficits. 2000 , 99, 483-93	66
205	Brain-derived neurotrophic factor delays hippocampal kindling in the rat. 2000 , 100, 777-88	74
204	Increased synaptic inhibition in dentate gyrus of mice with reduced levels of endogenous brain-derived neurotrophic factor. 2000 , 101, 531-9	31
203	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
202	BDNF regulates eating behavior and locomotor activity in mice. 2000 , 19, 1290-300	621
201	The neuroprotective agent memantine induces brain-derived neurotrophic factor and trkB receptor expression in rat brain. 2001 , 18, 247-58	119
200	Differential patterns of nerve growth factor, brain-derived neurotrophic factor and neurotrophin-3 mRNA and protein levels in developing regions of rat brain. 2001 , 103, 739-61	93
199	Brain-derived neurotrophic factor in the control human brain, and in Alzheimer's disease and Parkinson's disease. 2001 , 63, 71-124	673

198	The role of cytokines and growth factors in seizures and their sequelae. 2001 , 63, 125-49	194
197	Enriched environment influences brain-derived neurotrophic factor levels in rat forebrain after focal stroke. 2001 , 305, 169-72	60
196	BDNF and epilepsy: too much of a good thing?. 2001 , 24, 47-53	333
195	Memory consolidation in day-old chicks requires BDNF but not NGF or NT-3; an antisense study. 2001 , 88, 26-36	39
194	Sorting of internalized neurotrophins into an endocytic transcytosis pathway via the Golgi system: Ultrastructural analysis in retinal ganglion cells. 2001 , 21, 8915-30	69
193	BDNF/trkB signaling in the developmental sculpting of visual connections. 2001 , 134, 35-49	24
192	Rapid stimulatory effects of brain-derived neurotrophic factor and neurotrophin-3 on somatostatin release and intracellular calcium rise in primary hypothalamic cell cultures. 2001 , 74, 43-54	33
191	Effects of early visual experience and diurnal rhythms on BDNF mRNA and protein levels in the visual system, hippocampus, and cerebellum. 2001 , 21, 3923-31	113
190	Involvement of nitric oxide in pentylentetrazole-induced kindling in rats. 2000 , 74, 792-8	39
189	Brain-derived neurotrophic factor superinduction parallels anti-epileptic--neuroprotective treatment in the pilocarpine epilepsy model. 2001 , 76, 1814-22	33
188	Biological characterization and optical imaging of brain-derived neurotrophic factor-green fluorescent protein suggest an activity-dependent local release of brain-derived neurotrophic factor in neurites of cultured hippocampal neurons. 2001 , 64, 1-10	112
187	Regulation of brain-derived neurotrophic factor transcripts by neuronal activation in rat hypothalamic neurons. 2001 , 66, 377-89	18
186	Effects of alcohol on brain-derived neurotrophic factor mRNA expression in discrete regions of the rat hippocampus and hypothalamus. 2001 , 63, 200-8	78
185	Developmental changes in BDNF protein levels in the hamster retina and superior colliculus. 2001 , 49, 173-87	28
184	Anterograde axonal transport, transcytosis, and recycling of neurotrophic factors: the concept of trophic currencies in neural networks. 2001 , 24, 1-28	107
183	Expression of brain-derived neurotrophic factor and tyrosine kinase B receptor proteins in glioneuronal tumors from patients with intractable epilepsy: colocalization with N-methyl-D-aspartic acid receptor. 2001 , 101, 383-92	50
182	Changes in BDNF-immunoreactive structures in the hippocampal formation of the aged macaque monkey. 2001 , 918, 191-6	72
181	Cholinergic activity in autism: abnormalities in the cerebral cortex and basal forebrain. 2001 , 158, 1058-66	276

180	Alterations in BDNF and synapsin I within the occipital cortex and hippocampus after mild traumatic brain injury in the developing rat: reflections of injury-induced neuroplasticity. 2002 , 19, 803-14	77
179	The brain-derived neurotrophic factor enhances synthesis of Arc in synaptoneurosome. 2002 , 99, 2368-73	252
178	From acquisition to consolidation: on the role of brain-derived neurotrophic factor signaling in hippocampal-dependent learning. 2002 , 9, 224-37	521
177	Expression disparity of brain-derived neurotrophic factor immunoreactivity and mRNA in ischemic hippocampal neurons. 2002 , 13, 2271-5	48
176	Electroconvulsive stimuli alter the regional concentrations of nerve growth factor, brain-derived neurotrophic factor, and glial cell line-derived neurotrophic factor in adult rat brain. 2002 , 18, 138-43	47
175	Neurotrophins induce BDNF expression through the glutamate receptor pathway in neocortical neurons. 2002 , 42, 903-12	49
174	Lithium induces brain-derived neurotrophic factor and activates TrkB in rodent cortical neurons: an essential step for neuroprotection against glutamate excitotoxicity. 2002 , 43, 1173-9	206
173	Immobilization stress rapidly modulates BDNF mRNA expression in the hypothalamus of adult male rats. 2002 , 112, 309-18	100
172	Decreased levels of brain-derived neurotrophic factor in serum of chronic schizophrenic patients. 2002 , 110, 249-57	234
171	Nerve growth factor induces systemic hyperalgesia after thoracic burn injury in the rat. 2002 , 328, 97-100	23
170	Establishment of a novel enzyme-linked immunosorbent assay for Thy-1; quantitative assessment of neuronal degeneration. 2002 , 329, 185-8	24
169	Immunohistochemical evidence of seizure-induced activation of trkB receptors in the mossy fiber pathway of adult mouse hippocampus. 2002 , 22, 7502-8	79
168	Increased expression of brain-derived neurotrophic factor induces formation of basal dendrites and axonal branching in dentate granule cells in hippocampal explant cultures. 2002 , 22, 9754-63	139
167	Pilocarpine-induced seizure-like activity with increased BDNF and neuropeptide Y expression in organotypic hippocampal slice cultures. 2002 , 950, 103-18	36
166	Brain-derived neurotrophic factor (BDNF) regulates glucose and energy metabolism in diabetic mice. 2002 , 18, 185-91	92
165	Decreased BDNF signalling in transgenic mice reduces epileptogenesis. <i>European Journal of Neuroscience</i> , 2002 , 15, 721-34	3-5 93
164	A novel two-site enzyme immunoassay reveals the regional distributions of and developmental changes in GluR1 and NMDAR1 protein contents in the rat brain. 1999 , 73, 408-17	13
163	Ultrastructural correlates of haloperidol-induced oral dyskinesias in rats: a study of unlabeled and enkephalin-labeled striatal terminals. 2003 , 110, 961-75	12

162	Electroconvulsive stimuli alter nerve growth factor but not brain-derived neurotrophic factor concentrations in brains of a rat model of depression. 2003 , 37, 51-6	34
161	Rapid induction of BDNF expression in the hippocampus during immobilization stress challenge in adult rats. 2003 , 13, 646-55	197
160	Brain-derived neurotrophic factor modulates glucagon secretion from pancreatic alpha cells: its contribution to glucose metabolism. 2003 , 5, 27-37	46
159	Lithium treatment alters brain concentrations of nerve growth factor, brain-derived neurotrophic factor and glial cell line-derived neurotrophic factor in a rat model of depression. 2003 , 6, 225-31	114
158	Exacerbated status epilepticus and acute cell loss, but no changes in epileptogenesis, in mice with increased brain-derived neurotrophic factor signaling. 2003 , 122, 1081-92	51
157	GABA-glutamate interaction in the control of BDNF expression in hypothalamic neurons. 2003 , 42, 353-8	32
156	Activity-dependent change in the protein level of brain-derived neurotrophic factor but no change in other neurotrophins in the visual cortex of young and adult ferrets. 2003 , 117, 361-71	20
155	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
154	High affinity neurotrophin receptors in the human pre-term newborn, infant, and adult cerebellum. 2003 , 21, 309-20	16
153	Brain-derived neurotrophic factor upregulates and maintains AMPA receptor currents in neocortical GABAergic neurons. 2003 , 24, 340-56	22
152	Expression of TrkB subtypes in the adult monkey cerebellar cortex. 2003 , 25, 175-83	32
151	BDNF is upregulated by postnatal development and visual experience: quantitative and immunohistochemical analyses of BDNF in the rat retina. 2003 , 44, 3211-8	85
150	Inhibitory but not excitatory cortical neurons require presynaptic brain-derived neurotrophic factor for dendritic development, as revealed by chimera cell culture. 2003 , 23, 6123-31	66
149	Activation of the TrkB neurotrophin receptor is induced by antidepressant drugs and is required for antidepressant-induced behavioral effects. 2003 , 23, 349-57	632
148	Mossy fiber sprouting as a potential therapeutic target for epilepsy. 2004 , 1, 3-10	68
147	Hippocampal brain-derived neurotrophic factor expression following treatment with reboxetine, citalopram, and physical exercise. 2004 , 29, 2189-99	142
146	Brain-derived neurotrophic factor induces hyperexcitable reentrant circuits in the dentate gyrus. 2004 , 24, 7215-24	118
145	Expression of brain-derived neurotrophic factor and its receptors in the median eminence cells with sensitivity to stress. 2004 , 145, 4737-47	54

144	Involvement of brain-derived neurotrophic factor in early retinal neuropathy of streptozotocin-induced diabetes in rats: therapeutic potential of brain-derived neurotrophic factor for dopaminergic amacrine cells. 2004 , 53, 2412-9		149
143	Brain-derived neurotrophic factor signaling modifies hippocampal gene expression during epileptogenesis in transgenic mice. <i>European Journal of Neuroscience</i> , 2004 , 19, 3245-54	3.5	25
142	Physiology of BDNF: focus on hypothalamic function. 2004 , 25, 77-107		254
141	Prenatal cocaine exposure decreases brain-derived neurotrophic factor proteins in the rat brain. 2004 , 1009, 228-33		19
140	Ontogeny of seizure-induced increases in BDNF immunoreactivity and TrkB receptor activation in rat hippocampus. 2004 , 14, 345-55		35
139	Anatomical evidence for transsynaptic influences of estrogen on brain-derived neurotrophic factor expression. 2004 , 468, 347-60		63
138	Expression of brain-derived neurotrophic factor immunoreactivity and mRNA in the hippocampal CA1 and cortical areas after chronic ischemia in rats. 2004 , 76, 705-12		29
137	Alterations in IGF-I, BDNF and NT-3 levels following experimental brain trauma and the effect of IGF-I administration. 2004 , 186, 221-34		53
136	Voluntary exercise protects against stress-induced decreases in brain-derived neurotrophic factor protein expression. 2004 , 124, 985-92		202
135	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
134	Spontaneous retinal activity modulates BDNF trafficking in the developing chick visual system. 2004 , 25, 549-57		15
133	Transgenic mice overexpressing the full-length neurotrophin receptor trkB exhibit increased activation of the trkB-PLCgamma pathway, reduced anxiety, and facilitated learning. 2004 , 26, 166-81		139
132	A single brain-derived neurotrophic factor injection modifies hypothalamo-pituitary-adrenocortical axis activity in adult male rats. 2004 , 27, 280-95		110
131	Increased expression of BDNF and proliferation of dentate granule cells after bacterial meningitis. 2005 , 64, 806-15		40
130	Lack of association between variations in the brain-derived neurotrophic factor (BDNF) gene and temporal lobe epilepsy. 2005 , 66, 59-62		16
129	Influences of dopaminergic lesion on epidermal growth factor-ErbB signals in Parkinson's disease and its model: neurotrophic implication in nigrostriatal neurons. 2005 , 93, 974-83		96
128	Discordant changes in cortical TrkC mRNA and protein during the human lifespan. <i>European Journal of Neuroscience</i> , 2005 , 21, 2433-44	3.5	26
127	Area-specific effects of brain-derived neurotrophic factor (BDNF) genetic ablation on various neuronal subtypes of the mouse brain. 2005 , 156, 111-26		30

126	Loss of brain-derived neurotrophic factor gene allele exacerbates brain monoamine deficiencies and increases stress abnormalities of serotonin transporter knockout mice. 2005 , 79, 756-71	107
125	Increased adult hippocampal brain-derived neurotrophic factor and normal levels of neurogenesis in maternal separation rats. 2005 , 79, 772-8	90
124	Regulation of NT-3 and BDNF levels in guinea pig auditory brain stem nuclei after unilateral cochlear ablation. 2005 , 80, 381-90	32
123	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
122	Müller Cells as a source of brain-derived neurotrophic factor in the retina: noradrenaline upregulates brain-derived neurotrophic factor levels in cultured rat Müller cells. 2005 , 30, 1163-70	71
121	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
120	Differential distributions of peptides in the epidermal growth factor family and phosphorylation of ErbB 1 receptor in adult rat brain. 2005 , 390, 21-4	15
119	Caloric restriction does not reverse aging-related changes in hippocampal BDNF. 2005 , 26, 683-8	47
118	The seizure-related phenotype of brain-derived neurotrophic factor knockdown mice. 2005 , 136, 563-9	24
117	The impact of diet and exercise on brain plasticity and disease. 2006 , 18, 277-84	18
116	Nitric oxide synthesis is required for exercise-induced increases in hippocampal BDNF and phosphatidylinositol 3Kinase expression. 2006 , 68, 257-68	41
115	Effects of food restriction on synthesis and expression of brain-derived neurotrophic factor and tyrosine kinase B in dentate gyrus granule cells of adult rats. 2006 , 399, 135-40	17
114	Ampakines and the threefold path to cognitive enhancement. 2006 , 29, 554-62	130
113	[Potential roles for mossy fiber sprouting in temporal lobe epilepsy]. 2006 , 127, 355-61	
112	Restoration of long-term potentiation in middle-aged hippocampus after induction of brain-derived neurotrophic factor. 2006 , 96, 677-85	124
111	Gender-Dependent Modulation of Brain Monoamines and Anxiety-Like Behaviors in Mice with Genetic Serotonin Transporter and BDNF Deficiencies. 2006 , 1	
110	Sustained brain-derived neurotrophic factor up-regulation and sensorimotor gating abnormality induced by postnatal exposure to phencyclidine: comparison with adult treatment. 2006 , 99, 770-80	44
109	Corticosterone actions on the hippocampal brain-derived neurotrophic factor expression are mediated by exon IV promoter. 2006 , 18, 104-14	83

108	Gender-dependent modulation of brain monoamines and anxiety-like behaviors in mice with genetic serotonin transporter and BDNF deficiencies. 2006 , 26, 755-80	84
107	Monoaminergic neuronal activity up-regulates BDNF synthesis in cultured neonatal rat astrocytes. 2006 , 1108, 54-62	71
106	Chronic psychosocial stress-induced impairment of hippocampal LTP: possible role of BDNF. 2006 , 22, 453-62	80
105	The development of hippocampal interneurons in rodents. 2006 , 16, 1032-60	117
104	Nicotine prevents stress-induced enhancement of long-term depression in hippocampal area CA1: electrophysiological and molecular studies. 2006 , 83, 309-17	45
103	Revenge of the "sit": how lifestyle impacts neuronal and cognitive health through molecular systems that interface energy metabolism with neuronal plasticity. 2006 , 84, 699-715	210
102	Brain-derived neurotrophic factor rescues synaptic plasticity in a mouse model of fragile X syndrome. 2007 , 27, 10685-94	200
101	Brain-derived neurotrophic factor in the hypothalamic paraventricular nucleus reduces energy intake. 2007 , 293, R1003-12	65
100	The cellular and behavioral consequences of interleukin-1 alpha penetration through the blood-brain barrier of neonatal rats: a critical period for efficacy. 2007 , 150, 234-50	23
99	The neural cell adhesion molecule is necessary for normal adult retinal ganglion cell number and survival. 2007 , 36, 280-92	22
98	RNA interference-mediated inhibition of brain-derived neurotrophic factor expression increases cocaine's cytotoxicity in cultured cells. 2007 , 414, 165-9	10
97	Neurotrophins in the dentate gyrus. 2007 , 163, 371-97	29
96	Locomotor exercise alters expression of pro-brain-derived neurotrophic factor, brain-derived neurotrophic factor and its receptor TrkB in the spinal cord of adult rats. <i>European Journal of Neuroscience</i> , 2007 , 25, 2425-44	3.5 49
95	BDNF up-regulates pre-pro-TRH mRNA expression in the fetal/neonatal paraventricular nucleus of the hypothalamus. Properties of the transduction pathway. 2007 , 1174, 28-38	17
94	Stress and electroconvulsive seizure differentially alter GPR56 expression in the adult rat brain. 2007 , 1183, 21-31	7
93	BDNF serum and CSF concentrations in Alzheimer's disease, normal pressure hydrocephalus and healthy controls. 2007 , 41, 387-94	204
92	Serum BDNF levels and weight gain in schizophrenic patients on long-term treatment with antipsychotics. 2007 , 41, 997-1004	74
91	Brain-derived neurotrophic factor levels in the nervous system of wild-type and neurotrophin gene mutant mice. 1999 , 72, 1930-8	102

90	Brain foods: the effects of nutrients on brain function. 2008 , 9, 568-78	716
89	Influence of ischemic preconditioning on levels of nerve growth factor, brain-derived neurotrophic factor and their high-affinity receptors in hippocampus following forebrain ischemia. 2008 , 1187, 1-11	29
88	Fetal alcohol spectrum disorder-associated depression: evidence for reductions in the levels of brain-derived neurotrophic factor in a mouse model. 2008 , 90, 614-24	86
87	Effect of chronic stress or nicotine on hypothyroidism-induced enhancement of LTD: electrophysiological and molecular studies. 2008 , 32, 81-7	14
86	NEUROTROPHIC FACTORS. 2008 , 95-144	8
85	Decreased neurotrophic response to birth hypoxia in the etiology of schizophrenia. 2008 , 64, 797-802	70
84	Stimulatory effects of a melatonin receptor agonist, ramelteon, on BDNF in mouse cerebellar granule cells. 2008 , 439, 34-6	24
83	Neonatal exposure to decabrominated diphenyl ether (PBDE 209) results in changes in BDNF, CaMKII and GAP-43, biochemical substrates of neuronal survival, growth, and synaptogenesis. 2008 , 29, 152-9	115
82	The influences of diet and exercise on mental health through hormesis. 2008 , 7, 49-62	112
81	Status epilepticus induces a TrkB to p75 neurotrophin receptor switch and increases brain-derived neurotrophic factor interaction with p75 neurotrophin receptor: an initial event in neuronal injury induction. 2008 , 154, 978-93	44
80	Brain-derived neurotrophic factor (BDNF)-like immunoreactivity localization in the retina and brain of <i>Cichlasoma dimerus</i> (Teleostei, Perciformes). 2008 , 40, 261-70	17
79	Dynorphin is a downstream effector of striatal BDNF regulation of ethanol intake. 2008 , 22, 2393-404	77
78	RDX and miRNA Expression in B6C3F1 Mice. 2009 , 117, A98; author reply A98-9	4
77	RDX and miRNA Expression: Zhang and Pan Respond. 2009 , 117,	1
76	Don't flush the yuck factor. 2009 , 117, A99	
75	Endogenous BDNF in the dorsolateral striatum gates alcohol drinking. 2009 , 29, 13494-502	141
74	Brain-derived neurotrophic factor enhances the basal rate of protein synthesis by increasing active eukaryotic elongation factor 2 levels and promoting translation elongation in cortical neurons. 2009 , 284, 26340-8	41
73	Nitric oxide regulates BDNF release from nodose ganglion neurons in a pattern-dependent and cGMP-independent manner. 2010 , 88, 1285-97	16

72	Distinct subcellular localization of BDNF transcripts in cultured hypothalamic neurons and modification by neuronal activation. 2009 , 116, 23-32	25
71	Escalating ethanol intake is associated with altered corticostriatal BDNF expression. 2009 , 109, 1459-68	94
70	The cell-intrinsic requirement of Sox6 for cortical interneuron development. 2009 , 63, 466-81	170
69	BDNF-TrkB signaling pathway mediates the induction of epileptiform activity induced by a convulsant drug cyclothiazide. 2009 , 57, 49-59	25
68	Ampakines cause sustained increases in brain-derived neurotrophic factor signaling at excitatory synapses without changes in AMPA receptor subunit expression. 2009 , 159, 283-95	47
67	Venlafaxine treatment stimulates expression of brain-derived neurotrophic factor protein in frontal cortex and inhibits long-term potentiation in hippocampus. 2009 , 162, 1411-9	29
66	Measurement and comparison of serum neuregulin 1 immunoreactivity in control subjects and patients with schizophrenia: an influence of its genetic polymorphism. 2010 , 117, 887-95	43
65	Disruption of TrkB-mediated phospholipase Cγ signaling inhibits limbic epileptogenesis. 2010 , 30, 6188-96	54
64	Short- and long-term effects of intermittent social defeat stress on brain-derived neurotrophic factor expression in mesocorticolimbic brain regions. 2010 , 167, 598-607	88
63	The lighter side of BDNF. 2011 , 300, R1053-69	192
62	Brain-derived neurotrophic factor and hypothalamic-pituitary-adrenal axis adaptation processes in a depressive-like state induced by chronic restraint stress. 2011 , 46, 55-66	101
61	Krüppel-like factor 7 is required for olfactory bulb dopaminergic neuron development. 2011 , 317, 464-73	18
60	Expressions of brain-derived neurotrophic factor (BDNF) in cerebrospinal fluid and plasma of children with meningitis and encephalitis/encephalopathy. 2013 , 123, 17-23	21
59	Multiple approaches to investigate the transport and activity-dependent release of BDNF and their application in neurogenetic disorders. 2012 , 2012, 203734	13
58	BDNF upregulation rescues synaptic plasticity in middle-aged ovariectomized rats. 2012 , 33, 708-19	49
57	Brain-derived neurotrophic factor as a regulator of systemic and brain energy metabolism and cardiovascular health. 2012 , 1264, 49-63	113
56	Laser therapy and pain-related behavior after injury of the inferior alveolar nerve: possible involvement of neurotrophins. 2013 , 30, 480-6	22
55	Voluntary exercise regionally augments rates of cerebral protein synthesis. 2013 , 1537, 125-31	9

54	Failure of axonal transport induces a spatially coincident increase in astrocyte BDNF prior to synapse loss in a central target. 2013 , 229, 55-70	55
53	Modulation of c-Fos and BDNF protein expression in pentylenetetrazole-kindled mice following the treatment with novel antiepileptic compound HHL-6. 2014 , 2014, 876712	16
52	Gradually increased training intensity benefits rehabilitation outcome after stroke by BDNF upregulation and stress suppression. 2014 , 2014, 925762	27
51	Ciliary neurotrophic factor and fibroblast growth factor increase the speed and number of regenerating axons after optic nerve injury in adult <i>Rana pipiens</i> . 2014 , 92, 13-23	15
50	Antidepressant and neuroprotective effect of the Chinese herb kaixinsan against lentiviral shRNA knockdown brain-derived neurotrophic factor-induced injury in vitro and in vivo. 2014 , 69, 129-39	19
49	MEASUREMENT OF CYTOKINES IN THE BRAIN. 2015 , 369-400	
48	Development of mature BDNF-specific sandwich ELISA. 2015 , 134, 75-85	33
47	Alpha-Linolenic Acid-Induced Increase in Neurogenesis is a Key Factor in the Improvement in the Passive Avoidance Task After Soman Exposure. 2015 , 17, 251-69	13
46	A competitive chemiluminescence enzyme immunoassay method for β -defensin-2 detection in transgenic mice. 2015 , 30, 228-34	3
45	Involvement of the neuronal phosphotyrosine signal adaptor N-Shc in kainic acid-induced epileptiform activity. 2016 , 6, 27511	4
44	Effect of the rs10767664 Variant of the Brain-Derived Neurotrophic Factor Gene on Weight Change and Cardiovascular Risk Factors in Morbidly Obese Patients after Biliopancreatic Diversion Surgery. 2016 , 9, 116-122	5
43	Analysis of gene expression in Ca-dependent activator protein for secretion 2 (<i>Cadps2</i>) knockout cerebellum using GeneChip and KEGG pathways. 2017 , 639, 88-93	9
42	rs10767664 Gene Variant in Brain-Derived Neurotrophic Factor Is Associated with Diabetes Mellitus Type 2 in Caucasian Females with Obesity. 2017 , 70, 286-292	3
41	Advanced glycation end products induce brain-derived neurotrophic factor release from human platelets through the Src-family kinase activation. 2017 , 16, 20	10
40	Brain-derived neurotrophic factor of the cerebral microvasculature: a forgotten and nitric oxide-dependent contributor of brain-derived neurotrophic factor in the brain. 2017 , 219, 790-802	28
39	Cardiovascular Risk Factors and Insulin Resistance after Two Hypocaloric Diets with Different Fat Distribution in Obese Subjects: Effect of the rs10767664 Gene Variant in Brain-Derived Neurotrophic Factor. 2017 , 10, 163-171	4
38	RS 10767664 gene variant in Brain Derived Neurotrophic Factor (BDNF) affect metabolic changes and insulin resistance after a standard hypocaloric diet. 2018 , 32, 216-220	11
37	BDNF-Live-Exon-Visualization (BLEV) Allows Differential Detection of BDNF Transcripts and. 2018 , 11, 325	5

36	Activation of BDNF-TrkB signaling pathway-regulated brain inflammation in pentylentetrazole-induced seizures in zebrafish. 2018 , 83, 26-36	20
35	Neurotrophic factors and status epilepticus. 2018 , 59 Suppl 2, 87-91	4
34	Hippocampal Pathophysiology: Commonality Shared by Temporal Lobe Epilepsy and Psychiatric Disorders. 2018 , 2018, 4852359	17
33	In ovo Sound Stimulation Mediated Regulation of BDNF in the Auditory Cortex and Hippocampus of Neonatal Chicks. 2019 , 408, 293-307	4
32	Loss of TrkB Signaling Due to Status Epilepticus Induces a proBDNF-Dependent Cell Death. 2019 , 13, 4	5
31	Implications for Treatment and Management. 2019 , 154-191	
30	A TrkB agonist and ampakine rescue synaptic plasticity and multiple forms of memory in a mouse model of intellectual disability. 2020 , 134, 104604	7
29	The selenocompound 1-methyl-3-(phenylselanyl)-1H-indole attenuates depression-like behavior, oxidative stress, and neuroinflammation in streptozotocin-treated mice. 2020 , 161, 158-165	5
28	Reduction in BDNF from Inefficient Precursor Conversion Influences Nest Building and Promotes Depressive-Like Behavior in Mice. 2020 , 21,	4
27	Cognitive health and nutrition: a millennial correlation. 2021 , 281-292	1
26	Antidepressant-like effect of ginsenoside Rb1 on potentiating synaptic plasticity via the miR-134-mediated BDNF signaling pathway in a mouse model of chronic stress-induced depression. 2021 ,	1
25	Intersecting Genetics with Lifestyle: the Role of Exercise and Diet in Synaptic Plasticity and Cognitive Enhancement. 337-375	1
24	Trophic Factors as Therapeutic Agents for Diseases Characterized by Neuronal Death. 1999 , 545-591	4
23	Neuronal Growth and Neuronal Loss in Kindling Epileptogenesis. 1998 , 193-209	3
22	The role of BDNF in epilepsy and other diseases of the mature nervous system. 2004 , 548, 34-56	55
21	Biological Roles of Neurotrophins. 1999 , 1-31	5
20	Neurotrophins in Kindling Epilepsy: Neuronal Protection or Induction of Sprouting and Epileptogenesis?. 1995 , 417-438	1
19	Neurotrophic Factors. 1999 , 109-158	8

18	Type, Topography, and Sequelae of Neuropathological Changes Shaping Clinical Phenotype of Autism. 2009 , 1-34	2
17	Specification of neuropeptide Y phenotype in visual cortical neurons by leukemia inhibitory factor. 2000 , 127, 1943-1951	19
16	Garcinol Upregulates GABAA and GAD65 Expression, Modulates BDNF-TrkB Pathway to Reduce Seizures in Pentylentetrazole (PTZ)-Induced Epilepsy. 2016 , 22, 4415-4425	28
15	A fast universal immobilization of immunoglobulin G at 4 °C for the development of array-based immunoassays. 2012 , 7, e51370	5
14	Effect of Physical Activity on Cognitive Function and Neurogenesis: Roles of BDNF and Oxidative Stress. 2020 , 9,	2
13	Brain-derived neurotrophic factor in patients with epilepsy: A systematic review and meta-analysis. 2021 , 178, 106794	0
12	Literatur. 2000 , 192-251	
11	The Therapeutical Potential of Diet and Exercise on Brain Repair. 2010 , 485-498	1
10	Neurotrophins and Kindling Epileptogenesis. 1998 , 299-312	
9	Clinical Potential of Compounds That Stimulate Nerve Growth Factor Production. 1998 , 95-110	
8	Association of rs11030104 SNP and serum lipid levels in two Chinese ethnic groups. 2018 , 11, 1466-1483	1
7	Combined Treatment of Levetiracetam and Mesenchymal Stem Cells Reverses the Biochemical Aberrations in the Acute Phase of Epilepsy Induced by Pilocarpine in Rats. 2022 , 15, 91-115	0
6	Data_Sheet_1.docx. 2018 ,	
5	Video_1.WMV. 2018 ,	
4	Video_2.WMV. 2018 ,	
3	Data_Sheet_1.pdf. 2019 ,	
2	Pentilentetrazol ile Oluşurulan Akut Nöbet Modelinde Diazepamın Nitrik Oksit Sentaz ve Beyin Kaynaklı Neurotrofik Faktörlerine Etkisinin Araştırılması <i>Türk Doğa Ve Fen Dergisi</i> ,	0
1	Low-dose 7,8-Dihydroxyflavone Administration After Status Epilepticus Prevents Epilepsy Development.	1

