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Regulation of BDNF and trkB mRNA in rat brain by chronic electroconvulsive seizure and antidepressant drug treatments

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#	Paper	IF	Citations
1815	Influence of cocaine on the JAK-STAT pathway in the mesolimbic dopamine system. <i>Journal of Neuroscience</i> , 1996 , 16, 8019-26	6.6	48
1814	Developmental and mature expression of full-length and truncated TrkB receptors in the rat forebrain. 1996 , 374, 21-40		225
1813	The revised monoamine theory of depression: a modulatory role for monoamines, based on new findings from monoamine depletion experiments in humans. 1996 , 29, 2-11		288
1812	Anterograde transport of endogenous brain-derived neurotrophic factor in hippocampal mossy fibers. 1997 , 8, 1829-34		113
1811	Effects of long-term treatment with desipramine on microtubule proteins in rat cerebral cortex. 1997 , 333, 279-87		18
1810	Antidepressants: Beyond the Synapse. 1997 , 195-212		2
1809	A molecular and cellular theory of depression. 1997 , 54, 597-606		1647
1808	Molecular characterization of neurotrophin expression and the corresponding tropomyosin receptor kinases (trks) in epithelial and stromal cells of the human prostate. 1997 , 134, 15-22		74
1807	Differential effects of acute and chronic electroconvulsive shock on the abundance of messenger RNAs for voltage-dependent potassium channel subunits in the rat brain. 1997 , 78, 343-50		42
1806	Hyperexcitability in combined entorhinal/hippocampal slices of adult rat after exposure to brain-derived neurotrophic factor. 1997 , 78, 1082-95		142
1805	5-HT2A receptor-mediated regulation of brain-derived neurotrophic factor mRNA in the hippocampus and the neocortex. <i>Journal of Neuroscience</i> , 1997 , 17, 2785-95	6.6	354
1804	Animal models of relevance to PTSD. 1997 , 821, 332-51		50
1803	Lithium attenuates nerve growth factor-induced activation of AP-1 DNA binding activity in PC12 cells. 1997 , 17, 12-7		22
1802	Chronic antidepressant treatments increase cytochrome b mRNA levels in mouse cerebral cortex. 1997 , 9, 167-76		22
1801	Rationale for the development of noradrenaline reuptake inhibitors. 1998 , 13, S13-S19		23
1800	Effect of chronic antidepressant treatment on transcription factor binding activity in rat hippocampus and frontal cortex. 1998 , 22, 787-802		55
1799	Repeated electroconvulsive shock extends the duration of enhanced gene expression for BDNF in rat brain compared with a single administration. 1998 , 57, 106-10		86

1798	BDNF, and full length and truncated TrkB expression in the hippocampus of the rat following kainic acid excitotoxic damage. Evidence of complex time-dependent and cell-specific responses. 1998 , 59, 154-64		52
1797	Highest trkB mRNA expression in the entorhinal cortex among hippocampal subregions in the adult rat: contrasting pattern with BDNF mRNA expression. 1998 , 62, 206-15		19
1796	Modifications in brain cAMP- and calcium/calmodulin-dependent protein kinases induced by treatment with S-adenosylmethionine. 1998 , 37, 1081-9		14
1795	Novel therapeutic approaches beyond the serotonin receptor. 1998 , 44, 324-35		221
1794	Estrogen, serotonin, and mood disturbance: where is the therapeutic bridge?. 1998 , 44, 798-811		223
1793	BDNF restores the expression of Jun and Fos inducible transcription factors in the rat brain following repetitive electroconvulsive seizures. 1998 , 149, 161-74		23
1792	Regulation of cocaine reward by CREB. 1998 , 282, 2272-5		622
1791	Changes in mRNA abundance of microtubule-associated proteins in the rat brain following electroconvulsive shock. 1998 , 9, 391-4		35
1790	Differential regulation of neurotrophin and trk receptor mRNAs in catecholaminergic nuclei during chronic opiate treatment and withdrawal. <i>Journal of Neuroscience</i> , 1998 , 18, 10700-8	6.6	102
1789	Chronic antidepressant administration increases the expression of cAMP-specific phosphodiesterase 4A and 4B isoforms. <i>Journal of Neuroscience</i> , 1999 , 19, 610-8	6.6	153
1788	Actions of brain-derived neurotrophic factor in slices from rats with spontaneous seizures and mossy fiber sprouting in the dentate gyrus. <i>Journal of Neuroscience</i> , 1999 , 19, 5619-31	6.6	101
1787	Repetitive transcranial magnetic stimulation in rats: evidence for a neuroprotective effect in vitro and in vivo. 1999 , 11, 3247-54		82
1786	Dysthymia: clinical picture, extent of overlap with chronic fatigue syndrome, neuropharmacological considerations, and new therapeutic vistas. 1999 , 52, 275-90		39
1785	Antidepressants for the new millennium. 1999 , 375, 31-40		272
1784	Exercise, antidepressant medications, and enhanced brain derived neurotrophic factor expression. 1999 , 21, 679-82		291
1783	Repeated stress increases catalytic TrkB mRNA in rat hippocampus. 1999 , 267, 81-4		205
1782	Hippocampal mossy fiber sprouting induced by chronic electroconvulsive seizures. 1999 , 89, 157-66		239
1781	Cyclic AMP responsive element binding protein phosphorylation and DNA binding is decreased by chronic lithium but not valproate treatment of SH-SY5Y neuroblastoma cells. 1999 , 91, 771-6		48

1780	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
1779	Neurotrophins and depression. 1999 , 20, 59-61	411
1778	Deprived of habitual running, rats downregulate BDNF and TrkB messages in the brain. 1999 , 34, 125-32	122
1777	Serotonin-induced platelet intracellular Ca ²⁺ responses in untreated depressed patients and imipramine responders in remission. 1999 , 45, 1042-8	24
1776	Does stress damage the brain?. 1999 , 45, 797-805	457
1775	Role of norepinephrine in the pathophysiology and treatment of mood disorders. 1999 , 46, 1219-33	222
1774	Neural plasticity to stress and antidepressant treatment. 1999 , 46, 1181-91	537
1773	Manipulations of brain 5-HT levels affect gene expression for BDNF in rat brain. 1999 , 38, 1063-73	120
1772	Chronic antidepressant treatment increases neurogenesis in adult rat hippocampus. <i>Journal of Neuroscience</i> , 2000 , 20, 9104-10	6.6 2532
1771	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
1770	Termination of psychotherapy: a training perspective. 2000 , 6, 334-40	5
1769	Alterations in heavy and light neurofilament proteins in hippocampus following chronic ECS administration. 2000 , 35, 137-43	20
1768	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
1767	Animal models of the mechanisms of action of repetitive transcranial magnetic stimulation (RTMS): comparisons with electroconvulsive shock (ECS). 2000 , 12, 178-87	73
1766	Abnormalities of cAMP signaling in affective disorders: implication for pathophysiology and treatment. 2000 , 2, 27-36	44
1765	Electroshocks delay seizures and subsequent epileptogenesis but do not prevent neuronal damage in the lithium-pilocarpine model of epilepsy. 2000 , 42, 7-22	32
1764	Increased cerebrospinal fluid levels of neurotrophin 3 (NT-3) in elderly patients with major depression. 2000 , 5, 510-3	52
1763	Selective increase of dopamine D3 receptor gene expression as a common effect of chronic antidepressant treatments. 2000 , 5, 378-88	132

1762	Neuroplasticity and cellular resilience in mood disorders. 2000 , 5, 578-93		274
1761	Antidepressant drugs inhibit glucocorticoid receptor-mediated gene transcription - a possible mechanism. 2000 , 130, 1385-93		80
1760	Long-term repetitive transcranial magnetic stimulation increases the expression of brain-derived neurotrophic factor and cholecystokinin mRNA, but not neuropeptide tyrosine mRNA in specific areas of rat brain. 2000 , 23, 205-15		187
1759	Sustained increase in Narp protein expression following repeated electroconvulsive seizure. 2000 , 23, 439-43		37
1758	Administration of a cAMP phosphodiesterase 4 inhibitor enhances antidepressant-induction of BDNF mRNA in rat hippocampus. 2000 , 22, 42-51		92
1757	Antidepressants: past, present and future. 2000 , 405, 351-63		93
1756	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
1755	BDNF promotes the regenerative sprouting, but not survival, of injured serotonergic axons in the adult rat brain. <i>Journal of Neuroscience</i> , 2000 , 20, 771-82	6.6	273
1754	Differential expression of plasticity-related genes in waking and sleep and their regulation by the noradrenergic system. <i>Journal of Neuroscience</i> , 2000 , 20, 9187-94	6.6	308
1753	cAMP response element-mediated gene transcription is upregulated by chronic antidepressant treatment. <i>Journal of Neuroscience</i> , 2000 , 20, 4030-6	6.6	469
1752	Involvement of brain-derived neurotrophic factor in spatial memory formation and maintenance in a radial arm maze test in rats. <i>Journal of Neuroscience</i> , 2000 , 20, 7116-21	6.6	441
1751	Induction of cyclin-dependent kinase 5 in the hippocampus by chronic electroconvulsive seizures: role of [Delta]FosB. <i>Journal of Neuroscience</i> , 2000 , 20, 8965-71	6.6	94
1750	Effects of estrogen on basal forebrain cholinergic neurons and cognition: implications for brain aging and dementia in women. 2000 , 183-222		2
1749	Intracellular Mechanisms of Antidepressant Drug Action. 2000 , 8, 161-174		19
1748	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
1747	Neurogenesis in the dentate gyrus of the rat following electroconvulsive shock seizures. 2000 , 165, 231-6		226
1746	Molecular and cellular mechanisms of cognitive function: implications for psychiatric disorders. 2000 , 47, 200-9		17
1745	Repeated electroconvulsive shock promotes the sprouting of serotonergic axons in the lesioned rat hippocampus. 2000 , 97, 677-83		24

1744	The lesional and epileptogenic consequences of lithium-pilocarpine-induced status epilepticus are affected by previous exposure to isolated seizures: effects of amygdala kindling and maximal electroshocks. 2000 , 99, 469-81	53
1743	Physical activity and antidepressant treatment potentiate the expression of specific brain-derived neurotrophic factor transcripts in the rat hippocampus. 2000 , 101, 305-12	281
1742	Spatiotemporal expression of BDNF in the hippocampus induced by the continuous intracerebroventricular infusion of beta-amyloid in rats. 2000 , 80, 188-97	29
1741	Antidepressant drug exposure is associated with mRNA levels of tyrosine receptor kinase B in major depressive disorder. 2000 , 24, 881-8	34
1740	Acute stress decreases serotonin transporter mRNA in the raphe pontis but not in other raphe nuclei of the rat. 2000 , 290, 109-12	35
1739	Role for GDNF in biochemical and behavioral adaptations to drugs of abuse. 2000 , 26, 247-57	127
1738	Histopathology of the prefrontal cortex in major depression: what does it tell us about dysfunctional monoaminergic circuits?. 2000 , 126, 397-412	69
1737	Cellular mechanisms in the vulnerability to depression and response to antidepressants. 2000 , 23, 713-29	39
1736	Neuroimaging in Pursuit of Neurobiology: Strengths, Limitations, and the Quest for New Paradigms in Depression and Mood. 2000 , 8, 284-288	1
1735	Increased neurogenesis in a model of electroconvulsive therapy. 2000 , 47, 1043-9	588
1734	Neuronal plasticity and survival in mood disorders. 2000 , 48, 732-9	528
1733	Postmortem studies in mood disorders indicate altered numbers of neurons and glial cells. 2000 , 48, 766-77	680
1732	Effects of adverse experiences for brain structure and function. 2000 , 48, 721-31	495
1731	3D MRI studies of neuroanatomic changes in unipolar major depression: the role of stress and medical comorbidity. 2000 , 48, 791-800	371
1730	Brain-derived neurotrophic factor and neurotrophin 3 in schizophrenic psychoses. 2001 , 52, 79-86	300
1729	Expression of the cAMP response element binding protein (CREB) in hippocampus produces an antidepressant effect. 2001 , 49, 753-62	261
1728	Increased hippocampal BDNF immunoreactivity in subjects treated with antidepressant medication. 2001 , 50, 260-5	901
1727	Antipsychotic drugs and neuroplasticity: insights into the treatment and neurobiology of schizophrenia. 2001 , 50, 729-42	157

1726	New Developments in Convulsive Therapy for Major Depression. 2001 , 2, S68-S73	1
1725	Current perspectives on the development of non-biogenic amine-based antidepressants. 2001 , 43, 411-23	109
1724	Down-regulation of BDNF mRNA, with no effect on trkB or glucocorticoid receptor m RNAs, in the porcine hippocampus after acute dexamethasone treatment. 2001 , 70, 157-62	36
1723	Regulated expression of the neuronal calcium sensor-1 gene during long-term potentiation in the dentate gyrus in vivo. 2001 , 106, 571-7	32
1722	Physical activity elicits sustained activation of the cyclic AMP response element-binding protein and mitogen-activated protein kinase in the rat hippocampus. 2001 , 107, 219-29	96
1721	Abnormalities in the cAMP signaling pathway in post-mortem brain tissue from the Stanley Neuropathology Consortium. 2001 , 55, 625-9	55
1720	Glial cell abnormalities in major psychiatric disorders: the evidence and implications. 2001 , 55, 585-95	365
1719	Schizophrenia, a neurodegenerative disorder with neurodevelopmental antecedents. 2001 , 25, 691-707	69
1718	Brain-derived neurotrophic factor in the control human brain, and in Alzheimer's disease and Parkinson's disease. 2001 , 63, 71-124	673
1717	The role of cytokines and growth factors in seizures and their sequelae. 2001 , 63, 125-49	194
1716	Physical activity-antidepressant treatment combination: impact on brain-derived neurotrophic factor and behavior in an animal model. 2001 , 120, 87-95	274
1715	Serotonergic cells of the rat raphe nuclei express mRNA of tyrosine kinase B (trkB), the high-affinity receptor for brain derived neurotrophic factor (BDNF). 2001 , 93, 56-63	59
1714	Influence of thyroid hormone on 5-HT(1A) and 5-HT(2A) receptor-mediated regulation of hippocampal BDNF mRNA expression. 2001 , 40, 48-56	28
1713	Antidepressant-like actions of an AMPA receptor potentiator (LY392098). 2001 , 40, 1028-33	191
1712	Decreased hippocampal BDNF expression after acute systemic injection of quinpirole. 2001 , 40, 954-7	9
1711	Mice with targeted mutations of glucocorticoid and mineralocorticoid receptors: models for depression and anxiety?. 2001 , 73, 811-25	97
1710	Current perspectives on the pathophysiology of schizophrenia, depression, and anxiety disorders. 2001 , 85, 559-77	26
1709	ECS-Induced mossy fiber sprouting and BDNF expression are attenuated by ketamine pretreatment. 2001 , 17, 27-32	47

1708	Performance of heterozygous brain-derived neurotrophic factor knockout mice on behavioral analogues of anxiety, nociception, and depression.. 2001 , 115, 1145-1153	185
1707	Protein kinase a in major depression: the link between hypothalamic-pituitary-adrenal axis hyperactivity and neurogenesis. 2001 , 6, 565-8, 571-2	4
1706	Glutamate-hypothalamic-pituitary-adrenal axis interactions: implications for mood and anxiety disorders. 2001 , 6, 555-6, 561-4	36
1705	Chronic lithium treatment increases the expression of brain-derived neurotrophic factor in the rat brain. 2001 , 158, 100-6	290
1704	Comparison of the effects of isoproterenol administered into the hippocampus, frontal cortex, or amygdala on behavior of rats maintained by differential reinforcement of low response rate. 2001 , 159, 89-97	21
1703	Reduced activation and expression of ERK1/2 MAP kinase in the post-mortem brain of depressed suicide subjects. 2001 , 77, 916-28	263
1702	BDNF mRNA expression in rat hippocampus and prefrontal cortex: effects of neonatal ventral hippocampal damage and antipsychotic drugs. 2001 , 14, 135-44	164
1701	Second messenger-regulated protein kinases in the brain: their functional role and the action of antidepressant drugs. 2000 , 74, 21-33	96
1700	Neurotrophins: possible role in affective disorders. 2001 , 16, 61-64	8
1699	Expanding the horizons of depression: beyond the monoamine hypothesis. 2001 , 16, 203-218	86
1698	Regulation of GFRalpha-1 and GFRalpha-2 mRNAs in rat brain by electroconvulsive seizure. 2001 , 39, 42-50	40
1697	trkB-receptor activation contributes to the kainate-induced increase in BDNF mRNA synthesis. 2001 , 21, 429-35	36
1696	Brain-derived-neurotrophic-factor (BDNF) stress response in rats bred for learned helplessness. 2001 , 6, 471-4, 358	82
1695	St John's wort, hypericin, and imipramine: a comparative analysis of mRNA levels in brain areas involved in HPA axis control following short-term and long-term administration in normal and stressed rats. 2001 , 6, 547-64	74
1694	Serine/threonine kinases as molecular targets of antidepressants: implications for pharmacological treatment and pathophysiology of affective disorders. 2001 , 89, 149-70	25
1693	Repeated electroconvulsive stimulation, but not antidepressant drugs, induces mossy fibre sprouting in the rat hippocampus. 2001 , 893, 53-8	64
1692	Transcranial magnetic stimulation as a therapeutic tool in psychiatry: what do we know about the neurobiological mechanisms?. 2001 , 35, 193-215	171
1691	Regulation of adult neurogenesis by antidepressant treatment. 2001 , 25, 836-44	327

1690	Stress hormone-related psychopathology: pathophysiological and treatment implications. 2001 , 2, 115-43	95
1689	Depression--emerging insights from neurobiology. 2001 , 57, 61-79	153
1688	Emerging targets for the treatment of depressive disorder. 2001 , 5, 601-612	5
1687	Current trends in the development of new antidepressants. 2001 , 8, 89-100	104
1686	Antidepressants: pharmacological profile and clinical consequences. 2001 , 5, 19-28	9
1685	Stress-induced changes in cerebral metabolites, hippocampal volume, and cell proliferation are prevented by antidepressant treatment with tianeptine. 2001 , 98, 12796-801	869
1684	A Biological Model for Delayed Recall of Childhood Abuse. 2001 , 4, 165-183	10
1683	Adult neurogenesis: implications for psychiatry. 2002 , 138, 315-42	82
1682	Involvement of striatal and extrastriatal DARPP-32 in biochemical and behavioral effects of fluoxetine (Prozac). 2002 , 99, 3182-7	197
1681	Cyclic AMP response element-binding protein and depression. 2002 , 2, 347-54	13
1680	Stress, synaptic plasticity, and psychopathology. 2002 , 13, 195-208	69
1679	Antidepressant treatments induce the expression of basic fibroblast growth factor in cortical and hippocampal neurons. 2002 , 61, 1017-24	103
1678	From acquisition to consolidation: on the role of brain-derived neurotrophic factor signaling in hippocampal-dependent learning. 2002 , 9, 224-37	521
1677	Stress, metaplasticity, and antidepressants. 2002 , 2, 629-38	99
1676	Hippocampal changes in patients with a first episode of major depression. 2002 , 159, 1112-8	421
1675	Antidepressant mechanisms: functional and molecular correlates of excitatory amino acid neurotransmission. 2002 , 7 Suppl 1, S15-22	39
1674	Synaptic plasticity and mood disorders. 2002 , 7 Suppl 1, S29-34	264
1673	Activation of Gz attenuates Rap1-mediated differentiation of PC12 cells. 2002 , 277, 43417-24	59

1672	Sex Steroids and Neuronal Growth in Adulthood. 2002 , 717-XXXIII	15
1671	Expression profile and up-regulation of PRAX-1 mRNA by antidepressant treatment in the rat brain. 2002 , 62, 1314-20	19
1670	Structural changes in the brain in depression and relationship to symptom recurrence. 2002 , 7, 129-30, 135-9	63
1669	Effect of the novel sigma1 receptor ligand and putative atypical antipsychotic E-5842 on BDNF mRNA expression in the rat brain. 2002 , 13, 2345-8	19
1668	Effect of repeated treatment with tianeptine and fluoxetine on central dopamine D(2) /D(3) receptors. 2002 , 13, 127-38	23
1667	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
1666	Effects of fluoxetine on the 5-HT1A receptor and recovery of cognitive function after traumatic brain injury in rats. 2002 , 81, 364-72	26
1665	Brain-derived neurotrophic factor produces antidepressant effects in behavioral models of depression. <i>Journal of Neuroscience</i> , 2002 , 22, 3251-61	6.6 1307
1664	Structural alterations in depression: cellular mechanisms underlying pathology and treatment of mood disorders. 2002 , 7, 140-2, 144-7	27
1663	Fluoxetine's effects on cognitive performance in patients with traumatic brain injury. 2002 , 32, 337-44	67
1662	Spontaneous limbic seizures after intrahippocampal infusion of brain-derived neurotrophic factor. 2002 , 174, 201-14	156
1661	Exercise: a behavioral intervention to enhance brain health and plasticity. 2002 , 25, 295-301	1849
1660	Dopamine in the CNS I. 2002 ,	3
1659	Monoamine and neuropeptide-related function: prospects for novel therapeutics of depression. 2002 , 2, 217-32	1
1658	Morphological brain changes in depression: can antidepressants reverse them?. 2002 , 16, 361-72	49
1657	Early maternal deprivation alters hippocampal levels of neuropeptide Y and calcitonin-gene related peptide in adult rats. 2002 , 42, 798-806	79
1656	Effect of chronic imipramine or electroconvulsive shock on the expression of mGluR1a and mGluR5a immunoreactivity in rat brain hippocampus. 2002 , 42, 1016-23	44
1655	An AMPA receptor potentiator modulates hippocampal expression of BDNF: an in vivo study. 2002 , 43, 1-10	108

1654	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
1653	Regulation of cAMP phosphodiesterase mRNAs expression in rat brain by acute and chronic fluoxetine treatment. An in situ hybridization study. 2002 , 43, 1148-57		85
1652	Chronic antidepressant treatment increases the membrane expression of AMPA receptors in rat hippocampus. 2002 , 43, 1230-7		109
1651	New antidepressant drugs that do not cross the blood-brain barrier. 2002 , 58, 83-4		7
1650	The brain-derived neurotrophic factor gene confers susceptibility to bipolar disorder: evidence from a family-based association study. 2002 , 71, 651-5		513
1649	Neurobiology of depression. 2002 , 34, 13-25		2305
1648	Decreased serum brain-derived neurotrophic factor levels in major depressed patients. 2002 , 109, 143-8		931
1647	Effect of electroacupuncture on the stress-induced changes in brain-derived neurotrophic factor expression in rat hippocampus. 2002 , 318, 85-8		48
1646	International Union of Pharmacology. XXXIII. Mammalian gamma-aminobutyric acid(B) receptors: structure and function. 2002 , 54, 247-64		464
1645	Neonatal Developmental Neuroplasticity: A Critical Contribution from Environment. 835-848		
1644	Functional Neuroscience of Mood Disorders. 803-814		
1643	cAMP response element-binding protein is essential for the upregulation of brain-derived neurotrophic factor transcription, but not the behavioral or endocrine responses to antidepressant drugs. <i>Journal of Neuroscience</i> , 2002 , 22, 3262-8	6.6	285
1642	Modulation of DOI-induced increases in cortical BDNF expression by group II mGlu receptors. 2002 , 73, 317-26		54
1641	Neonatal maternal separation reduces hippocampal mossy fiber density in adult Long Evans rats. 2002 , 950, 52-63		321
1640	Brain-derived neurotrophic factor expression is increased in the rat amygdala, piriform cortex and hypothalamus following repeated amphetamine administration. 2002 , 949, 218-27		147
1639	Brain-derived neurotrophic factor (BDNF) mRNA in rats with neonatal ibotenic acid lesions of the ventral hippocampus. 2002 , 956, 126-35		41
1638	Differential regulation of hippocampal BDNF mRNA by typical and atypical antipsychotic administration. 2002 , 954, 11-20		112
1637	To be or not to be: adult neurogenesis and psychiatry. 2002 , 2, 93-108		15

1636	Circuits and systems in stress. I. Preclinical studies. 2002 , 15, 126-47	166
1635	Neuroimaging studies in post-traumatic stress disorder. 2002 , 4, 254-63	158
1634	[Molecular aspects of antidepressive therapy. Transsynaptic effects on signal transduction, gene expression and neuronal plasticity]. 2002 , 73, 595-9	11
1633	Imipramine, but not lithium, induces the serine/threonine phosphatase activity of calcineurin without affecting its mRNA expression in the rat brain. 2002 , 162, 339-44	3
1632	When cells become depressed: focus on neural stem cells in novel treatment strategies against depression. 2002 , 109, 947-62	30
1631	Modulation of glutamate receptors: strategies for the development of novel antidepressants. 2002 , 23, 153-9	36
1630	Cell pathology in bipolar disorder. 2002 , 4, 105-16	149
1629	Modulation of synaptic plasticity by stress and antidepressants. 2002 , 4, 166-82	97
1628	Antidepressants and neuroplasticity. 2002 , 4, 183-94	375
1627	Regulation of adult hippocampal neurogenesis - implications for novel theories of major depression. 2002 , 4, 17-33	174
1626	BDNF-mediated signal transduction is modulated by GSK3beta and mood stabilizing agents. 2002 , 82, 75-83	147
1625	Electroconvulsive seizures increase hippocampal neurogenesis after chronic corticosterone treatment. 2002 , 16, 283-90	131
1624	Subchronic treatment with lithium increases nerve growth factor content in distinct brain regions of adult rats. 2002 , 7, 604-8	62
1623	Antidepressants and gene expression profiling: how to SNARE novel drug targets. 2002 , 2, 346-8	14
1622	Expression profiling to understand actions of NMDA/glutamate receptor antagonists in rat brain. 2002 , 27, 1209-20	9
1621	Brain-derived neurotrophic factor controls dopamine D3 receptor expression: implications for neurodevelopmental psychiatric disorders. 2002 , 4, 671-678	40
1620	5-HT2A receptor activation leads to increased BDNF mRNA expression in C6 glioma cells. 2002 , 1, 197-205	35
1619	Enhancement of antidepressant potency by a potentiator of AMPA receptors. 2003 , 23, 419-30	96

1618	Glutamate and depression: clinical and preclinical studies. 2003 , 1003, 250-72	337
1617	Roles of ionotropic glutamate receptors in early developing neurons derived from the P19 mouse cell line. 2003 , 10, 199-207	6
1616	Brain-derived neurotrophic factor as a potential risk locus for bipolar disorder: evidence, limitations, and implications. 2003 , 5, 469-76	37
1615	Pharmakotherapie der Depression. 2003 , 46, 239-244	
1614	Antagonism of the antidepressant-like effects of clenbuterol by central administration of beta-adrenergic antagonists in rats. 2003 , 170, 102-7	16
1613	Induction of k _f -1 after repeated electroconvulsive treatment and chronic antidepressant treatment in rat frontal cortex and hippocampus. 2003 , 110, 277-85	13
1612	cDNA gene expression profile of rat hippocampus after chronic treatment with antidepressant drugs. 2003 , 110, 1413-36	51
1611	Modeling depression with transgenic mice: the neurotrophin hypothesis revisited. 2003 , 3, 263-269	4
1610	Cortisol response to a cognitive stress challenge in posttraumatic stress disorder (PTSD) related to childhood abuse. 2003 , 28, 733-50	222
1609	Brain-derived neurotrophic factor controls dopamine D3 receptor expression: therapeutic implications in Parkinson's disease. 2003 , 480, 89-95	50
1608	Effects of chronic exercise and imipramine on mRNA for BDNF after olfactory bulbectomy in rat. 2003 , 974, 228-35	61
1607	Noradrenergic and serotonergic blockade inhibits BDNF mRNA activation following exercise and antidepressant. 2003 , 75, 81-8	124
1606	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
1605	Differential effects of fluoxetine and imipramine on the phosphorylation of the transcription factor CREB and cell-viability. 2003 , 37, 53-9	28
1604	Association study of a brain-derived neurotrophic-factor genetic polymorphism and major depressive disorders, symptomatology, and antidepressant response. 2003 , 123B, 19-22	165
1603	Increased neurogenesis and brain-derived neurotrophic factor in neurokinin-1 receptor gene knockout mice. 2003 , 18, 1828-36	71
1602	Affective disorders, antidepressant drugs and brain metabolism. 2003 , 8, 773-85	77
1601	Repetitive transcranial magnetic stimulation : does it have potential in the treatment of depression?. 2003 , 17, 383-403	34

1600	Long-term effects of childhood abuse on brain and neurobiology. 2003 , 12, 271-92	159
1599	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
1598	Brain-derived neurotrophic factor in the ventral midbrain-nucleus accumbens pathway: a role in depression. 2003 , 54, 994-1005	333
1597	Larger amygdala volumes in first depressive episode as compared to recurrent major depression and healthy control subjects. 2003 , 53, 338-44	209
1596	Congenitally learned helpless rats show abnormalities in intracellular signaling. 2003 , 53, 520-9	20
1595	Regulation of GAP-43 expression by chronic desipramine treatment in rat cultured hippocampal cells. 2003 , 53, 530-7	47
1594	Choline rise in the rat hippocampus induced by electroconvulsive shock treatment. 2003 , 53, 620-3	25
1593	Decreased levels of serum brain-derived neurotrophic factor in female patients with eating disorders. 2003 , 54, 485-90	128
1592	Mechanisms of depression in epilepsy from a clinical perspective. 2003 , 4 Suppl 3, S25-30	121
1591	Bi-phasic change in BDNF gene expression following antidepressant drug treatment. 2003 , 44, 903-10	204
1590	Chronic AMPA receptor potentiator (LY451646) treatment increases cell proliferation in adult rat hippocampus. 2003 , 44, 1013-21	126
1589	Dynamic changes in AP-1 transcription factor DNA binding activity in rat brain following administration of antidepressant amitriptyline and brain-derived neurotrophic factor. 2003 , 45, 251-9	23
1588	Differential regulation of brain derived neurotrophic factor transcripts by antidepressant treatments in the adult rat brain. 2003 , 45, 553-63	237
1587	Effects of electroconvulsive seizures and antidepressant drugs on brain-derived neurotrophic factor protein in rat brain. 2003 , 54, 703-9	260
1586	Enhancing neuronal plasticity and cellular resilience to develop novel, improved therapeutics for difficult-to-treat depression. 2003 , 53, 707-42	412
1585	Influence of estradiol, stress, and 5-HT _{2A} agonist treatment on brain-derived neurotrophic factor expression in female rats. 2003 , 54, 59-69	99
1584	Depressed new neurons--adult hippocampal neurogenesis and a cellular plasticity hypothesis of major depression. 2003 , 54, 499-503	314
1583	Norepinephrine activates extracellular-regulated kinase in cortical neurons. 2003 , 54, 983-93	12

1582	Neuroimaging studies of mood disorder effects on the brain. 2003 , 54, 338-52	491
1581	Forebrain-specific trkB-receptor knockout mice: behaviorally more hyperactive than "depressive". 2003 , 54, 972-82	124
1580	Long-term treatment with paroxetine increases verbal declarative memory and hippocampal volume in posttraumatic stress disorder. 2003 , 54, 693-702	406
1579	Association study of the brain-derived neurotrophic factor (BDNF) gene with bipolar disorder. 2003 , 337, 17-20	123
1578	Chronic lithium treatment antagonizes glutamate-induced decrease of phosphorylated CREB in neurons via reducing protein phosphatase 1 and increasing MEK activities. 2003 , 116, 425-35	72
1577	Integrins regulate neuronal neurotrophin gene expression through effects on voltage-sensitive calcium channels. 2003 , 118, 925-40	33
1576	The influence of specific noradrenergic and serotonergic lesions on the expression of hippocampal brain-derived neurotrophic factor transcripts following voluntary physical activity. 2003 , 119, 721-32	89
1575	Antidepressant drug treatment induces Arc gene expression in the rat brain. 2003 , 121, 975-82	72
1574	Attention-deficit hyperactivity disorder and brain-derived neurotrophic factor: a speculative hypothesis. 2003 , 60, 849-51	32
1573	Brain-derived neurotrophic factor: a bridge between major depression and Alzheimer's disease?. 2003 , 61, 110-3	49
1572	Gene therapy in psychiatric disorders: too early, too complex?. 2003 , 3, 68-72	2
1571	Brain-derived neurotrophic factor in the ventral midbrain nucleus accumbens pathway: a role in depression. 2003 ,	1
1570	Association study of a brain-derived neurotrophic-factor genetic polymorphism and mood disorders, age of onset and suicidal behavior. 2003 , 48, 186-9	175
1569	Altered gene expression of brain-derived neurotrophic factor and receptor tyrosine kinase B in postmortem brain of suicide subjects. 2003 , 60, 804-15	643
1568	The postnatal environment can counteract prenatal effects on cognitive ability, cell proliferation, and synaptic protein expression. 2003 , 17, 1556-8	117
1567	New approaches to developing antidepressants by enhancing monoaminergic neurotransmission. 2003 , 12, 531-43	46
1566	The role of estrogen in mood disorders in women. 2003 , 15, 280-90	95
1565	Molecular and behavioral interactions between central melanocortins and cocaine. 2003 , 304, 391-9	47

1564	MRI and PET study of deficits in hippocampal structure and function in women with childhood sexual abuse and posttraumatic stress disorder. 2003 , 160, 924-32		539
1563	A BDNF coding variant is associated with the NEO personality inventory domain neuroticism, a risk factor for depression. 2003 , 28, 397-401		287
1562	Cell proliferation in adult hippocampus is decreased by inescapable stress: reversal by fluoxetine treatment. 2003 , 28, 1562-71		637
1561	rTMS as treatment strategy in psychiatric disorders--neurobiological concepts. 2003 , 56, 100-16		10
1560	Dose-related effects of chronic antidepressants on neuroprotective proteins BDNF, Bcl-2 and Cu/Zn-SOD in rat hippocampus. 2003 , 28, 53-62		143
1559	Dual monoamine modulation for improved treatment of major depressive disorder. 2003 , 23, 78-86		97
1558	Noradrenaline in mood and anxiety disorders: basic and clinical studies. 2003 , 18, 191-202		77
1557	New developments in electroconvulsive therapy and magnetic seizure therapy. 2003 , 8, 529-36		39
1556	Prefrontal cortex stimulation as antidepressant treatment: mode of action and clinical effectiveness of rTMS. 2003 , 56, 406-32		7
1555	Lower concentration of hippocampal N-acetylaspartate in familial bipolar I disorder. 2003 , 160, 873-82		128
1554	Gene profile of electroconvulsive seizures: induction of neurotrophic and angiogenic factors. <i>Journal of Neuroscience</i> , 2003 , 23, 10841-51	6.6	299
1553	Genetic linkage in bipolar disorder. 2003 , 8, 891-904		22
1552	Noradrenaline in mood and anxiety disorders: basic and clinical studies. 2003 , 18, 191-202		28
1551	. 2003 ,		9
1550	Neurotrophic Signaling in Mood Disorders. 411-445		3
1549	Activation of the TrkB neurotrophin receptor is induced by antidepressant drugs and is required for antidepressant-induced behavioral effects. <i>Journal of Neuroscience</i> , 2003 , 23, 349-57	6.6	632
1548	[Stress, depression and the hippocampus]. 2003 , 25 Suppl 2, 46-51		19
1547	Brain-derived neurotrophic factor and the plasticity of the mesolimbic dopamine pathway. 2004 , 59, 425-44		36

1546	Regulation of neurogenesis and angiogenesis in depression. 2004 , 1, 261-7		58
1545	Brain imaging in anxiety disorders. 2004 , 4, 275-84		79
1544	BDNF serum concentrations in healthy volunteers are associated with depression-related personality traits. 2004 , 29, 795-8		184
1543	The delta-opioid receptor agonist (+)BW373U86 regulates BDNF mRNA expression in rats. 2004 , 29, 649-59		53
1542	Mortality and poststroke depression. 2004 , 161, 1506; author reply 1507-8		2
1541	Effects of chronic haloperidol and clozapine treatment on neurogenesis in the adult rat hippocampus. 2004 , 29, 1063-9		154
1540	Hippocampal brain-derived neurotrophic factor expression following treatment with reboxetine, citalopram, and physical exercise. 2004 , 29, 2189-99		142
1539	Affective disorder and epilepsy comorbidity: implications for development of treatments, preventions and diagnostic approaches. 2004 , 35, 53-68		19
1538	Trends in the development of new antidepressants. Is there a light at the end of the tunnel?. 2004 , 11, 925-43		138
1537	Neurotrophic factors and CNS disorders: findings in rodent models of depression and schizophrenia. 2004 , 146, 151-65		90
1536	Electroconvulsive seizures regulate gene expression of distinct neurotrophic signaling pathways. <i>Journal of Neuroscience</i> , 2004 , 24, 2667-77	6.6	262
1535	Mortality and poststroke depression. 2004 , 161, 1506-7; author reply 1507-8		3
1534	Structural MRI changes of the brain in depression. 2004 , 35, 46-52		30
1533	Mood stabilizer valproate promotes ERK pathway-dependent cortical neuronal growth and neurogenesis. <i>Journal of Neuroscience</i> , 2004 , 24, 6590-9	6.6	345
1532	Experience-driven brain plasticity: beyond the synapse. 2004 , 1, 351-63		307
1531	BloodBrain and Spinal Cord Barriers in Stress. 2004 , 231-298		28
1530	Downregulation of the CCAAT-enhancer binding protein beta in deltaFosB transgenic mice and by electroconvulsive seizures. 2004 , 29, 23-31		15
1529	Neurotrophins induce short-term and long-term changes of cortical neurotrophin expression. 2004 , 20, 701-8		27

1528	Corticostriatal brain-derived neurotrophic factor dysregulation in adult rats following prenatal stress. 2004 , 20, 1348-54	98
1527	The response of synaptophysin and microtubule-associated protein 1 to restraint stress in rat hippocampus and its modulation by venlafaxine. 2004 , 91, 1380-8	55
1526	Invited review: the evolution of antidepressant mechanisms. 2004 , 18, 1-21	127
1525	From monoamines to genomic targets: a paradigm shift for drug discovery in depression. 2004 , 3, 136-51	174
1524	Recovery of hippocampal cell proliferation and BDNF levels, both of which are reduced by repeated restraint stress, is accelerated by chronic venlafaxine. 2004 , 4, 322-31	62
1523	Stress increases dynorphin immunoreactivity in limbic brain regions and dynorphin antagonism produces antidepressant-like effects. 2004 , 90, 1258-68	248
1522	New insights into the mechanisms of antidepressant therapy. 2004 , 102, 47-60	83
1521	Physiology of BDNF: focus on hypothalamic function. 2004 , 25, 77-107	254
1520	Decreased cortical gray and cerebral white matter in male patients with familial bipolar I disorder. 2004 , 82, 475-85	35
1519	Do epilepsy and psychiatric disorders share common pathogenic mechanisms? A look at depression and epilepsy. 2004 , 4, 31-37	9
1518	Neurotrophic actions of the novel AMPA receptor potentiator, LY404187, in rodent models of Parkinson's disease. 2004 , 486, 163-74	51
1517	Zinc treatment induces cortical brain-derived neurotrophic factor gene expression. 2004 , 492, 57-9	57
1516	Mood stabilizers inhibit glucocorticoid receptor function in LMCAT cells. 2004 , 495, 103-10	11
1515	Long-term exposure of rats to tramadol alters brain dopamine and alpha 1-adrenoceptor function that may be related to antidepressant potency. 2004 , 501, 103-10	25
1514	Relationship between the antinociceptive response to desipramine and changes in GABAB receptor function and subunit expression in the dorsal horn of the rat spinal cord. 2004 , 67, 743-9	21
1513	Effect of antidepressants on GABA(B) receptor function and subunit expression in rat hippocampus. 2004 , 68, 1489-95	38
1512	Expression analysis of brain-derived neurotrophic factor (BDNF) mRNA isoforms after chronic and acute antidepressant treatment. 2004 , 1000, 148-55	43
1511	The effect of escitalopram, desipramine, electroconvulsive seizures and lithium on brain-derived neurotrophic factor mRNA and protein expression in the rat brain and the correlation to 5-HT and 5-HIAA levels. 2004 , 1024, 183-92	155

1510	Altered expression of BDNF and its high-affinity receptor TrkB in response to complex motor learning and moderate exercise. 2004 , 1028, 92-104	145
1509	MAP kinase activation by fluoxetine and its relation to gene expression in cultured rat astrocytes. 2004 , 24, 207-16	136
1508	Neurotrophins as mediators of drug effects on mood, addiction, and neuroprotection. 2004 , 29, 289-302	73
1507	Regulation of antidepressant activity by cAMP response element binding proteins. 2004 , 30, 143-55	26
1506	Role of neurotrophic factors in the etiology and treatment of mood disorders. 2004 , 5, 11-25	407
1505	BDNF and COMT polymorphisms: relation to memory phenotypes in young adults with childhood-onset mood disorder. 2004 , 5, 181-92	36
1504	Effects of antidepressant drug imipramine on gene expression in rat prefrontal cortex. 2004 , 29, 1235-44	17
1503	Neuroanatomical changes associated with pharmacotherapy in posttraumatic stress disorder. 2004 , 1032, 154-7	78
1502	State of the art of the neurotrophin hypothesis in psychiatric disorders: implications and limitations. 2004 , 111, 387-411	104
1501	Brain plasticity and antidepressant treatments: new cells, new connections. 2004 , 6, 483-9	5
1500	The status of the sensitization/kindling hypothesis of bipolar disorder. 2004 , 2, 135-141	8
1499	Brain-derived neurotrophic factor as a potential risk locus for bipolar disorder: Evidence, limitations, and implications. 2004 , 2, 153-159	1
1498	Repeated cocaine administration alters the expression of genes in corticolimbic circuitry after a 3-week withdrawal: a DNA macroarray study. 2002 , 82, 1290-9	55
1497	Association study of brain-derived neurotrophic factor in adults with a history of childhood onset mood disorder. 2004 , 131B, 16-9	86
1496	Non-replication of the brain-derived neurotrophic factor (BDNF) association in bipolar affective disorder: a Belgian patient-control study. 2004 , 129B, 34-5	59
1495	A missense polymorphism (S205L) of the low-affinity neurotrophin receptor p75NTR gene is associated with depressive disorder and attempted suicide. 2004 , 129B, 44-6	39
1494	Exploring the relationship between serotonin and brain-derived neurotrophic factor: analysis of BDNF protein and extraneuronal 5-HT in mice with reduced serotonin transporter or BDNF expression. 2004 , 140, 81-92	119
1493	Association study of a brain-derived neurotrophic factor (Val66Met) genetic polymorphism and panic disorder. 2004 , 49, 178-81	34

1492	Therapeutics for depression and anxiety disorders. 2004 , 1, 105-109		8
1491	Electroconvulsive seizures induce proliferation of NG2-expressing glial cells in adult rat amygdala. 2004 , 55, 464-71		85
1490	Fluoxetine and olanzapine have synergistic effects in the modulation of fibroblast growth factor 2 expression within the rat brain. 2004 , 55, 1095-102		91
1489	No association between the Val66Met polymorphism of the brain-derived neurotrophic factor gene and bipolar disorder in a Japanese population: a multicenter study. 2004 , 56, 376-8		85
1488	Brain-derived neurotrophic factor as a drug target for CNS disorders. 2004 , 8, 391-9		94
1487	Tachykinins. 2004 ,		3
1486	Histone modifications at gene promoter regions in rat hippocampus after acute and chronic electroconvulsive seizures. <i>Journal of Neuroscience</i> , 2004 , 24, 5603-10	6.6	355
1485	Neurotrophic effects of antidepressant drugs. 2004 , 4, 58-64		198
1484	Critical role of brain-derived neurotrophic factor in mood disorders. 2004 , 45, 104-14		373
1483	Increased cell proliferation in the adult mouse hippocampus following chronic administration of group II metabotropic glutamate receptor antagonist, MGS0039. 2004 , 315, 493-6		104
1482	Is major depression a neurologic disorder with psychiatric symptoms?. 2004 , 5, 636-44		53
1481	Low serum levels of brain-derived neurotrophic factor in patients with schizophrenia do not elevate after antipsychotic treatment. 2004 , 28, 709-13		112
1480	Molecular genetics of affective disorders. 2004 , 28, 865-77		7
1479	Chronic treatment with desipramine and fluoxetine modulate BDNF, CaMKKalpha and CaMKKbeta mRNA levels in the hippocampus of transgenic mice expressing antisense RNA against the glucocorticoid receptor. 2004 , 47, 1062-9		47
1478	Fluoxetine-induced change in rat brain expression of brain-derived neurotrophic factor varies depending on length of treatment. 2004 , 128, 597-604		194
1477	Effects of dexamethasone on declarative memory function in posttraumatic stress disorder. 2004 , 129, 1-10		39
1476	Mice with reduced brain-derived neurotrophic factor expression show decreased choline acetyltransferase activity, but regular brain monoamine levels and unaltered emotional behavior. 2004 , 121, 28-36		141
1475	Regulation of FOXO3a by brain-derived neurotrophic factor in differentiated human SH-SY5Y neuroblastoma cells. 2004 , 126, 45-56		54

1474	Regulation of growth factor receptor bound 2 by electroconvulsive seizure. 2004 , 129, 185-8	13
1473	Late onset loss of hippocampal 5-HT and NE is accompanied by increases in BDNF protein expression in mice co-expressing mutant APP and PS1. 2004 , 16, 572-80	36
1472	Olanzapine counteracts reduction of brain-derived neurotrophic factor and TrkB receptors in rat hippocampus produced by haloperidol. 2004 , 356, 135-9	64
1471	Effect of paroxetine on a model of posttraumatic stress disorder in rats. 2004 , 357, 37-40	27
1470	Expression of the neurotrophin receptor trkB is regulated by the cAMP/CREB pathway in neurons. 2004 , 26, 470-80	76
1469	Life stress, genes, and depression: multiple pathways lead to increased risk and new opportunities for intervention. 2004 , 2004, re5	237
1468	Brain-derived neurotrophic factor. 2004 , 22, 123-31	891
1467	Stress and hippocampal abnormalities in psychiatric disorders. 2004 , 14, 393-405	121
1466	Neuroplasticity: from MRI to depressive symptoms. 2004 , 14 Suppl 5, S503-10	107
1465	Neurotrophic factors and the pathophysiology of schizophrenic psychoses. 2004 , 19, 326-37	91
1464	Activation of protein kinase B (Akt) signaling after electroconvulsive shock in the rat hippocampus. 2004 , 28, 41-4	31
1463	Is mania caused by overactivity of central brain-derived neurotrophic factor?. 2004 , 62, 19-22	39
1462	Down-regulation of the Trk-B signal pathway: the possible pathogenesis of major depression. 2004 , 62, 215-8	26
1461	A role for glia in the action of electroconvulsive therapy. 2004 , 12, 253-62	16
1460	Convergences in course of illness and treatments of the epilepsies and recurrent affective disorders. 2004 , 35, 14-24	23
1459	Dr. Yasuno and Colleagues Reply. 2004 , 161, 1505-a-1506	6
1458	Depressed neurogenesis and its role in the genesis of depression. Commentary on Fuchs et al., examining novel concepts of the pathophysiology of depression in the chronic psychosocial stress paradigm in tree shrews. 2004 , 15, 365-8	5
1457	Reduced hippocampal volumes associated with the long variant of the serotonin transporter polymorphism in major depression. 2004 , 61, 177-83	149

1456	[Mechanisms of psychotropics' action in relation to CNS neurogenesis]. 2004 , 123, 319-28	1
1455	The role of neurotrophic factors in the stress response. 2005 , 665-678	
1454	The antidepressant effect of running is associated with increased hippocampal cell proliferation. 2005 , 8, 357-68	162
1453	[Method for evaluation of emotionality in preclinical studies: usefulness of the hole-board test]. 2005 , 126, 88-93	1
1452	Lithium: potential therapeutics against acute brain injuries and chronic neurodegenerative diseases. 2005 , 99, 307-21	127
1451	Increased expression of BDNF and proliferation of dentate granule cells after bacterial meningitis. 2005 , 64, 806-15	40
1450	Neuroprotective effect of epidural electrical stimulation against ischemic spinal cord injury in rats: electrical preconditioning. 2005 , 103, 84-92	11
1449	A single cocaine exposure increases BDNF and D3 receptor expression: implications for drug-conditioning. 2005 , 16, 175-8	157
1448	The role of sigma receptors in depression. 2005 , 97, 317-36	120
1447	What should animal models of depression model?. 2005 , 29, 515-23	107
1446	Vagal nerve stimulation: a review of its applications and potential mechanisms that mediate its clinical effects. 2005 , 29, 493-500	413
1445	Mood stabilizers target cellular plasticity and resilience cascades: implications for the development of novel therapeutics. 2005 , 32, 173-202	123
1444	Metabotropic glutamate receptors and neuroadaptation to antidepressants: imipramine-induced down-regulation of beta-adrenergic receptors in mice treated with metabotropic glutamate 2/3 receptor ligands. 2005 , 93, 1345-52	30
1443	Chronic fluoxetine administration inhibits extracellular signal-regulated kinase 1/2 phosphorylation in rat brain. 2005 , 93, 1551-60	94
1442	Evidence for increased expression of the vesicular glutamate transporter, VGLUT1, by a course of antidepressant treatment. 2005 , 94, 875-83	60
1441	Microtubule affinity-regulating kinase 1 (MARK1) is activated by electroconvulsive shock in the rat hippocampus. 2005 , 95, 1608-18	8
1440	Depression in epilepsy: a neurobiologic perspective. 2005 , 5, 21-7	126
1439	Short-term treatment with the antidepressant fluoxetine triggers pyramidal dendritic spine synapse formation in rat hippocampus. 2005 , 21, 1299-303	197

1438	Recruitment of the Sonic hedgehog signalling cascade in electroconvulsive seizure-mediated regulation of adult rat hippocampal neurogenesis. 2005 , 22, 1570-80	57
1437	Differential expression and regulation of the cAMP-selective phosphodiesterase type 4A splice variants in rat brain by chronic antidepressant administration. 2005 , 22, 1463-75	43
1436	Cognitive disorders and neurogenesis deficits in Huntington's disease mice are rescued by fluoxetine. 2005 , 22, 2081-8	155
1435	Epigenetic mechanisms in memory formation. 2005 , 6, 108-18	603
1434	Is mood chemistry?. 2005 , 6, 241-6	444
1433	BDNF gene is a risk factor for schizophrenia in a Scottish population. 2005 , 10, 208-12	213
1432	BDNF in schizophrenia, depression and corresponding animal models. 2005 , 10, 345-52	434
1431	Reductions in neurotrophin receptor mRNAs in the prefrontal cortex of patients with schizophrenia. 2005 , 10, 637-50	177
1430	Genetic tests of biologic systems in affective disorders. 2005 , 10, 719-40	26
1429	Magnetic resonance imaging (MRI) measurement of hippocampal volume in posttraumatic stress disorder: a meta-analysis. 2005 , 88, 79-86	320
1428	The effects of desmethylimipramine on cyclic AMP-stimulated gene transcription in a model cell system. 2005 , 70, 762-9	2
1427	Central administration of IGF-I and BDNF leads to long-lasting antidepressant-like effects. 2005 , 1037, 204-8	273
1426	Regulation of activity-regulated cytoskeleton protein (Arc) mRNA after acute and chronic electroconvulsive stimulation in the rat. 2005 , 1064, 161-5	34
1425	Differential neuroendocrine responses to chronic variable stress in adult Long Evans rats exposed to handling-maternal separation as neonates. 2005 , 30, 520-33	123
1424	Small molecule melanin-concentrating hormone receptor 1 (MCH1R) antagonists as anxiolytic and antidepressive agents. 2005 , 65, 291-300	8
1423	Remission and recovery in depression treatment. 2005 , 65, 335-343	8
1422	Association study of neurotrophic tyrosine kinase receptor type 2 (NTRK2) and childhood-onset mood disorders. 2005 , 132B, 90-5	21
1421	Population-based and family-based association study of 5'UTR polymorphism of the reelin gene and schizophrenia. 2005 , 137B, 51-5	36

1420	Chronic treatment with milnacipran reverses the impairment of synaptic plasticity induced by conditioned fear stress. 2005 , 179, 606-12	25
1419	Chronic administration of the delta opioid receptor agonist (+)BW373U86 and antidepressants on behavior in the forced swim test and BDNF mRNA expression in rats. 2005 , 183, 31-40	27
1418	Mutant mouse models of depression: candidate genes and current mouse lines. 2005 , 29, 805-28	95
1417	Effect of treatment on serum brain-derived neurotrophic factor levels in depressed patients. 2005 , 255, 381-6	270
1416	Effects of Behavioral Depression and Chronic Influence of Antidepressants on NMDA/Glutamate Receptor-Mediated Responses of Neurons of the Rat Gyrus Dentatus. 2005 , 37, 111-119	6
1415	Enhanced BDNF signaling is associated with an antidepressant-like behavioral response and changes in brain monoamines. 2005 , 25, 973-80	109
1414	Molecular Effects of Antidepressant Treatments. 2005 , 797-821	
1413	Emerging Treatments for Depression: Beyond the Monoamine Hypothesis. 2005 , 945-964	
1412	Neurogenesis as a potential therapeutic strategy for neurodegenerative disorders. 2004 , 6, S19-25	0
1411	Transcorneal electrical stimulation rescues axotomized retinal ganglion cells by activating endogenous retinal IGF-1 system. 2005 , 46, 2147-55	143
1410	AMPA receptor potentiators as novel antidepressants. 2005 , 11, 1511-27	47
1409	Brain-derived neurotrophic factor and antidepressant activity. 2005 , 11, 1495-510	132
1408	The Concept of Dysregulated Signal Transduction and Gene Expression in the Pathophysiology of Mood Disorders. 2005 , 1, 227-254	3
1407	Electroconvulsive seizure treatment increases cell proliferation in rat frontal cortex. 2005 , 30, 27-34	102
1406	Association of BDNF serum concentrations with central serotonergic activity: evidence from auditory signal processing. 2005 , 30, 1148-53	50
1405	Regulation of activin mRNA and Smad2 phosphorylation by antidepressant treatment in the rat brain: effects in behavioral models. <i>Journal of Neuroscience</i> , 2005 , 25, 4908-16	6.6 65
1404	Effects of phenytoin on memory, cognition and brain structure in post-traumatic stress disorder: a pilot study. 2005 , 19, 159-65	81
1403	Increasing hippocampal neurogenesis: a novel mechanism for antidepressant drugs. 2005 , 11, 145-55	129

1402	Electroconvulsive seizures increase the expression of MAP kinase phosphatases in limbic regions of rat brain. 2005 , 30, 360-71		32
1401	Transcription factors as modulators of stress responsivity. 2005 , 15, 679-698		2
1400	Effects of traumatic stress on brain structure and function: relevance to early responses to trauma. 2005 , 6, 51-68		89
1399	Brain-derived neurotrophic factor and antidepressant drugs have different but coordinated effects on neuronal turnover, proliferation, and survival in the adult dentate gyrus. <i>Journal of Neuroscience</i> , 2005 , 25, 1089-94	6.6	631
1398	Partial normalization of serum brain-derived neurotrophic factor in remitted patients after a major depressive episode. 2005 , 51, 234-8		157
1397	Relationship of brain-derived neurotrophic factor and its receptor TrkB to altered inhibitory prefrontal circuitry in schizophrenia. <i>Journal of Neuroscience</i> , 2005 , 25, 372-83	6.6	334
1396	Chronic stress, depression and antidepressants: effects on gene transcription in the hippocampus. 2005 , 16, 43-56		57
1395	Effects of estrogen treatment on expression of brain-derived neurotrophic factor and cAMP response element-binding protein expression and phosphorylation in rat amygdaloid and hippocampal structures. 2005 , 81, 294-310		108
1394	Estrogen increases nociception-evoked brain-derived neurotrophic factor gene expression in the female rat. 2005 , 81, 193-9		52
1393	Enhancing resilience to stress: the role of signaling cascades. 2005 , 751-771		1
1392	Effect of chronic olanzapine treatment on nerve growth factor and brain-derived neurotrophic factor in the rat brain. 2005 , 15, 311-7		70
1391	Self-esteem, locus of control, hippocampal volume, and cortisol regulation in young and old adulthood. 2005 , 28, 815-26		226
1390	Adult neurogenesis: from precursors to network and physiology. 2005 , 85, 523-69		803
1389	Exercise activates the phosphatidylinositol 3-kinase pathway. 2005 , 135, 181-93		104
1388	Antidepressants and prolonged stress in rats modulate CAM-L1, laminin, and pCREB, implicated in neuronal plasticity. 2005 , 20, 432-41		80
1387	Prenatal stress elicits regionally selective changes in basal FGF-2 gene expression in adulthood and alters the adult response to acute or chronic stress. 2005 , 20, 731-7		47
1386	High concentrations of plasma brain-derived neurotrophic factor in methamphetamine users. 2005 , 388, 112-5		70
1385	Chronic stress, as well as acute stress, reduces BDNF mRNA expression in the rat hippocampus but less robustly. 2005 , 53, 129-39		268

1384	Possible involvement of brain-derived neurotrophic factor in the antinociceptive effect of antidepressants in neuropathic pain. 2005 , 65, 530-3	8
1383	Possible involvement of the BDNF-dependent pathway in treatment-emergent suicidality or decreased response to antidepressants. 2005 , 65, 942-6	18
1382	Announced rewards counteract the impairment of anticipatory behaviour in socially stressed rats. 2005 , 161, 183-9	34
1381	Identification of novel electroconvulsive shock-induced and activity-dependent genes in the rat brain. 2005 , 327, 848-56	29
1380	Neurotrophins in clinical diagnostics: pathophysiology and laboratory investigation. 2005 , 352, 49-74	51
1379	A neurobiological perspective on attachment problems in sexual offenders and the role of selective serotonin re-uptake inhibitors in the treatment of such problems. 2005 , 25, 153-82	86
1378	Chronic treatment with fluoxetine decreases seizure threshold in naïve but not in rats exposed to the learned helplessness paradigm: Correlation with the hippocampal glutamate release. 2005 , 29, 678-86	34
1377	Production of custom microarrays for neuroscience research. 2005 , 37, 238-46	10
1376	The many faces of CREB. 2005 , 28, 436-45	992
1375	Antidepressant action: to the nucleus and beyond. 2005 , 26, 631-8	159
1374	Neurotrophic factors and regulation of mood: role of exercise, diet and metabolism. 2005 , 26 Suppl 1, 88-93	111
1373	Sequential changes in BDNF mRNA expression and synaptic levels of AMPA receptor subunits in rat hippocampus after chronic antidepressant treatment. 2005 , 49, 1178-88	75
1372	Hippocampal neurokinin-1 receptor and brain-derived neurotrophic factor gene expression is decreased in rat models of pain and stress. 2005 , 133, 999-1006	98
1371	Alterations in cell adhesion molecule L1 and functionally related genes in major depression: a postmortem study. 2005 , 57, 716-25	47
1370	Evidence for a relationship between genetic variants at the brain-derived neurotrophic factor (BDNF) locus and major depression. 2005 , 58, 307-14	255
1369	Electroconvulsive seizures induce angiogenesis in adult rat hippocampus. 2005 , 58, 871-8	88
1368	Dopamine and Glutamate in Psychiatric Disorders. 2005 ,	5
1367	Mice with genetically altered glucocorticoid receptor expression show altered sensitivity for stress-induced depressive reactions. <i>Journal of Neuroscience</i> , 2005 , 25, 6243-50	6.6 323

1366	Genetic variant BDNF (Val66Met) polymorphism alters anxiety-related behavior. 2006 , 314, 140-3	1021
1365	Signaling pathways regulating gene expression, neuroplasticity, and neurotrophic mechanisms in the action of antidepressants: a critical overview. 2006 , 58, 115-34	246
1364	Analysis of prolyl oligopeptidase (PO) as a target for bipolar disorder [Characterisation of PO null-mutant mice. 2006 , 16, S22-S23	
1363	Chronic desipramine treatment suppresses cortical BDNF expression and ERK phosphorylation. 2006 , 16, S23	
1362	Endogenous opioids upregulate brain-derived neurotrophic factor mRNA through delta- and micro-opioid receptors independent of antidepressant-like effects. 2006 , 23, 984-94	59
1361	A neurotrophic model for stress-related mood disorders. 2006 , 59, 1116-27	2473
1360	Electroconvulsive Therapy (ECT) increases serum Brain Derived Neurotrophic Factor (BDNF) in drug resistant depressed patients. 2006 , 16, 620-4	131
1359	The effect of early poststressor intervention with sertraline on behavioral responses in an animal model of post-traumatic stress disorder. 2006 , 31, 2610-8	64
1358	Regulation of hippocampal gene expression is conserved in two species subjected to different stressors and antidepressant treatments. 2006 , 59, 244-51	153
1357	Distribution of serotonin transporter labeled fibers in amygdaloid subregions: implications for mood disorders. 2006 , 60, 479-90	44
1356	Cellular plasticity cascades: genes-to-behavior pathways in animal models of bipolar disorder. 2006 , 59, 1160-71	120
1355	Mice with mutations in the HPA-system as models for symptoms of depression. 2006 , 59, 1104-15	69
1354	Persistent pain produces stress-like alterations in hippocampal neurogenesis and gene expression. 2006 , 7, 544-55	122
1353	Correlations between neuronal loss, decrease of memory, and decrease expression of brain-derived neurotrophic factor in the gerbil hippocampus during normal aging. 2006 , 201, 75-83	39
1352	Differential regulation of nerve growth factor and brain-derived neurotrophic factor in a mouse model of learned helplessness. 2006 , 202, 404-9	35
1351	Beneficial effects of exercise and its molecular mechanisms on depression in rats. 2006 , 168, 47-55	171
1350	Nitric oxide synthesis is required for exercise-induced increases in hippocampal BDNF and phosphatidylinositol 3' kinase expression. 2006 , 68, 257-68	41
1349	Effects of genes and stress on the neurobiology of depression. 2006 , 73, 153-89	16

1348	The possible role of tissue-type plasminogen activator and the plasminogen system in the pathogenesis of major depression. 2006 , 66, 319-22	28
1347	Deltamethrin, a pyrethroid insecticide, could be a potential antidepressant agent. 2006 , 66, 605-8	9
1346	Cysteamine-related agents could be potential antidepressants through increasing central BDNF levels. 2006 , 67, 1185-8	12
1345	The mGlu2/3 receptor agonist LY354740 suppresses immobilization stress-induced increase in rat prefrontal cortical BDNF mRNA expression. 2006 , 398, 328-32	29
1344	Antipsychotic-associated neuronal changes in the brain: toxic, therapeutic, or irrelevant to the long-term outcome of schizophrenia?. 2006 , 30, 174-89	38
1343	Brain-derived neurotrophic factor (BDNF) changes in the serum of depressed women. 2006 , 30, 1256-60	159
1342	The Val66Met polymorphism of the brain-derived neurotrophic-factor gene is associated with geriatric depression. 2006 , 27, 1834-7	201
1341	Unique patterns of FOS, phospho-CREB and BrdU immunoreactivity in the female rat brain following chronic stress and citalopram treatment. 2006 , 50, 428-40	50
1340	Antidepressants reverse corticosterone-mediated decrease in brain-derived neurotrophic factor expression: differential regulation of specific exons by antidepressants and corticosterone. 2006 , 139, 1017-29	162
1339	Examination of behavioral deficits triggered by targeting Bdnf in fetal or postnatal brains of mice. 2006 , 142, 49-58	103
1338	[Depression and BDNF]. 2006 , 127, 201-4	6
1337	Clinical relevance of the neurotrophins and their receptors. 2006 , 110, 175-91	217
1336	Non-monoamine-based approach for the treatment of depression and anxiety disorders. 2006 , 1, 1-27	26
1335	Stress and brain atrophy. 2006 , 5, 503-12	95
1334	Microdialysis approach to study serotonin outflow in mice following selective serotonin reuptake inhibitors and substance P (neurokinin 1) receptor antagonist administration: a review. 2006 , 7, 187-201	19
1333	Lithium increases nerve growth factor levels in the rat hippocampus in an animal model of mania. 2006 , 17, 311-8	37
1332	Depression and neurological disorders. 2006 , 19, 14-8	27
1331	The extracellular signal-regulated kinase pathway: an emerging promising target for mood stabilizers. 2006 , 19, 313-23	95

1330	Electroconvulsive seizure increases adult hippocampal angiogenesis in rats. 2006 , 24, 819-28	45
1329	Evidence that serotonin reuptake modulators increase the density of serotonin innervation in the forebrain. 2006 , 96, 396-406	40
1328	Electroconvulsive seizure-induced gene expression profile of the hippocampus dentate gyrus granule cell layer. 2006 , 99, 1122-32	69
1327	The selective serotonin reuptake inhibitor sertraline: its profile and use in psychiatric disorders. 2001 , 7, 1-24	68
1326	LY404187: a novel positive allosteric modulator of AMPA receptors. 2002 , 8, 255-82	74
1325	The selective norepinephrine reuptake inhibitor antidepressant reboxetine: pharmacological and clinical profile. 2004 , 10, 23-44	159
1324	Sustained hippocampal chromatin regulation in a mouse model of depression and antidepressant action. 2006 , 9, 519-25	1402
1323	A complex polymorphic region in the brain-derived neurotrophic factor (BDNF) gene confers susceptibility to bipolar disorder and affects transcriptional activity. 2006 , 11, 695-703	59
1322	The relationship between cognitive and brain changes in posttraumatic stress disorder. 2006 , 1071, 80-6	76
1321	Emerging Novel Treatments for Severe Mood Disorders Involving Cellular Plasticity Cascades. 2006 , 4, 181-190	1
1320	The enduring effects of abuse and related adverse experiences in childhood. A convergence of evidence from neurobiology and epidemiology. 2006 , 256, 174-86	2495
1319	[Brain-derived neurotrophic factor: from nerve growth factor to modulator of brain plasticity in cognitive processes and psychiatric diseases]. 2006 , 77, 523-37	21
1318	[Post-stroke depression: clinical aspects, epidemiology, therapy, and pathophysiology]. 2006 , 77, 1176, 1179-82, 1184-5	14
1317	Rising rates of depression in today's society: consideration of the roles of effort-based rewards and enhanced resilience in day-to-day functioning. 2006 , 30, 497-510	52
1316	Inflammation and depression: is there a causal connection with dementia?. 2006 , 10, 149-60	61
1315	Cyclic AMP response element binding protein and brain-derived neurotrophic factor: molecules that modulate our mood?. 2006 , 31, 423-34	97
1314	Gonadal steroid regulation of mood: the lessons of premenstrual syndrome. 2006 , 27, 210-6	93
1313	Repeated electroconvulsive stimuli increase brain-derived neurotrophic factor in ACTH-treated rats. 2006 , 529, 114-21	36

1312	Behavioral and neurobiological effects of the enkephalinase inhibitor RB101 relative to its antidepressant effects. 2006 , 531, 151-9	34
1311	Caffeic acid attenuates the decrease in cortical BDNF mRNA expression induced by exposure to forced swimming stress in mice. 2006 , 534, 115-21	46
1310	A role for AMPA receptors in mood disorders. 2006 , 71, 1273-88	182
1309	Peptidic delta opioid receptor agonists produce antidepressant-like effects in the forced swim test and regulate BDNF mRNA expression in rats. 2006 , 1069, 172-81	68
1308	GABA(B) receptor function and subunit expression in the rat spinal cord as indicators of stress and the antinociceptive response to antidepressants. 2006 , 1068, 109-17	28
1307	Alterations in BDNF and trkB mRNAs following acute or sensitizing cocaine treatments and withdrawal. 2006 , 1071, 218-25	88
1306	Increase in synaptic hippocampal zinc concentration following chronic but not acute zinc treatment in rats. 2006 , 1090, 69-75	18
1305	Biphasic change in BDNF gene expression following antidepressant drug treatment explained by differential transcript regulation. 2006 , 1106, 12-20	56
1304	Chronic corticosterone decreases brain-derived neurotrophic factor (BDNF) mRNA and protein in the hippocampus, but not in the frontal cortex, of the rat. 2006 , 1110, 221-5	101
1303	Effects of amantadine and budipine on antidepressant drug-evoked changes in extracellular dopamine in the frontal cortex of freely moving rats. 2006 , 1117, 206-12	14
1302	Accumulated increase in neuropeptide Y and somatostatin gene expression of the rat in response to repeated electroconvulsive stimulation. 2006 , 40, 153-9	34
1301	Early-life fluoxetine exposure reduced functional deficits after hypoxic-ischemia brain injury in rat pups. 2006 , 24, 101-13	46
1300	Transgenic mice overexpressing the full-length neurotrophin receptor TrkC exhibit increased catecholaminergic neuron density in specific brain areas and increased anxiety-like behavior and panic reaction. 2006 , 24, 403-18	40
1299	The effects of chronic valproate and diazepam in a mouse model of posttraumatic stress disorder. 2006 , 85, 324-31	50
1298	Chronic mild stress inhibits BDNF protein expression and CREB activation in the dentate gyrus but not in the hippocampus proper. 2006 , 85, 842-9	216
1297	Multi-target strategies for the improved treatment of depressive states: Conceptual foundations and neuronal substrates, drug discovery and therapeutic application. 2006 , 110, 135-370	433
1296	Stress-resistant mice overexpressing glucocorticoid receptors display enhanced BDNF in the amygdala and hippocampus with unchanged NGF and serotonergic function. 2006 , 31, 1266-77	42
1295	Hippocampal neurogenesis: opposing effects of stress and antidepressant treatment. 2006 , 16, 239-49	589

1294	Opiates, psychostimulants, and adult hippocampal neurogenesis: Insights for addiction and stem cell biology. 2006 , 16, 271-86	147
1293	Synergetic effects of quetiapine and venlafaxine in preventing the chronic restraint stress-induced decrease in cell proliferation and BDNF expression in rat hippocampus. 2006 , 16, 551-9	128
1292	Chronic treatment with fluoxetine up-regulates cellular BDNF mRNA expression in rat dopaminergic regions. 2006 , 9, 307-17	91
1291	A case study of the utility of the HapMap database for pharmacogenomic haplotype analysis in the Taiwanese population. 2006 , 10, 367-70	17
1290	Monoamine Receptors and Signal Transduction Mechanisms in Suicide. 2006 , 2, 51-75	7
1289	Neurochemistry of the nucleus accumbens and its relevance to depression and antidepressant action in rodents. 2006 , 4, 277-91	168
1288	Enhancement of antidepressant-like effects but not brain-derived neurotrophic factor mRNA expression by the novel N-methyl-D-aspartate receptor antagonist neramexane in mice. 2006 , 318, 1128-36	23
1287	Effects of analgesic or antidepressant drugs on pain- or stress-evoked hippocampal and spinal neurokinin-1 receptor and brain-derived neurotrophic factor gene expression in the rat. 2006 , 319, 1235-43	49
1286	Pharmacogenetics in Affective Disorders: A Drug Response Approach. 2006 , 4, 191-208	3
1285	VNS therapy in treatment-resistant depression: clinical evidence and putative neurobiological mechanisms. 2006 , 31, 1345-55	280
1284	Long-term adaptive changes induced by serotonergic antidepressant drugs. 2006 , 6, 235-45	28
1283	Chronic antidepressants potentiate via sigma-1 receptors the brain-derived neurotrophic factor-induced signaling for glutamate release. 2006 , 281, 12941-9	92
1282	Metabotropic glutamate receptor subtype 7 ablation causes dysregulation of the HPA axis and increases hippocampal BDNF protein levels: implications for stress-related psychiatric disorders. 2006 , 31, 1112-22	114
1281	Structural and functional plasticity of the human brain in posttraumatic stress disorder. 2008 , 167, 171-86	234
1280	A genotype-endophenotype-phenotype path model of depressed mood: integrating cognitive and emotional markers. 2007 , 6, 75-104	29
1279	Effect of antidepressant therapy on executive function after stroke. 2007 , 190, 260-5	51
1278	Loss of huntingtin function complemented by small molecules acting as repressor element 1/neuron restrictive silencer element silencer modulators. 2007 , 282, 24554-62	33
1277	The neuropeptide VGF produces antidepressant-like behavioral effects and enhances proliferation in the hippocampus. <i>Journal of Neuroscience</i> , 2007 , 27, 12156-67	6.6 121

1276	Brain-derived neurotrophic factor in schizophrenia and its relation with dopamine. 2007 , 78, 377-95	42
1275	Comorbid anxiety and depression: illumination of a controversy. 2007 , 11, 171-89	45
1274	N-Desmethylozapine, a major clozapine metabolite, acts as a selective and efficacious delta-opioid agonist at recombinant and native receptors. 2007 , 32, 773-85	17
1273	Quetiapine prevents anhedonia induced by acute or chronic stress. 2007 , 32, 1783-90	40
1272	A possible role for the endocannabinoid system in the neurobiology of depression. 2007 , 3, 25	33
1271	AMPA receptors in the therapeutic management of depression. 2007 , 6, 117-26	90
1270	Chronic duloxetine treatment induces specific changes in the expression of BDNF transcripts and in the subcellular localization of the neurotrophin protein. 2007 , 32, 2351-9	105
1269	Evidence for neuroprotective effects of antipsychotic drugs: implications for the pathophysiology and treatment of schizophrenia. 2007 , 77, 107-42	10
1268	VEGF is an essential mediator of the neurogenic and behavioral actions of antidepressants. 2007 , 104, 4647-52	351
1267	Association of the brain-derived neurotrophic factor Val66Met polymorphism with reduced hippocampal volumes in major depression. 2007 , 64, 410-6	316
1266	Regulation of gene transcription in the central nervous system by norepinephrine. 95-118	3
1265	Repetitive Transcranial Magnetic Stimulation Effects in vitro and in Animal Models. 2007 , 23, 18-34	1
1264	Neurobiology and Treatment of Depression. 2007 ,	
1263	Neurotrophic Factors in Etiology and Treatment of Mood Disorders. 2007 ,	0
1262	[Strategy to develop a new drug for treatment-resistant depression--role of electroconvulsive stimuli and BDNF]. 2007 , 127, 735-42	6
1261	Adult hippocampal neurogenesis as target for the treatment of depression. 2007 , 6, 205-18	101
1260	Does Stress Damage the Brain?. 118-141	5
1259	Bidirectional changes in water-maze learning following recombinant adenovirus-associated viral vector (rAAV)-mediated brain-derived neurotrophic factor expression in the rat hippocampus. 2007 , 18, 533-47	14

1258	A splice site polymorphism in the G-protein beta subunit influences antidepressant efficacy in depression. 2007 , 17, 207-15	64
1257	The role of neurotrophic factors in adult hippocampal neurogenesis, antidepressant treatments and animal models of depressive-like behavior. 2007 , 18, 391-418	522
1256	Brain-Derived Neurotrophic Factor and Major Depression. 2007 , 42, 59-66	
1255	Psychopharm Review: CME QUIZ. 2007 , 42, 66	
1254	AMPA receptor potentiators: application for depression and Parkinson's disease. 2007 , 8, 603-20	80
1253	Targeting neurotrophic/growth factor expression and signaling for antidepressant drug development. 2007 , 6, 151-60	48
1252	The brain-derived neurotrophic factor rs6265 (Val66Met) polymorphism and depression in Mexican-Americans. 2007 , 18, 1291-3	71
1251	Stress vulnerabilities in an animal model of post-traumatic stress disorder. 2007 , 90, 687-95	32
1250	Effects of paroxetine or milnacipran on serum brain-derived neurotrophic factor in depressed patients. 2007 , 31, 1034-7	137
1249	Learned helplessness is independent of levels of brain-derived neurotrophic factor in the hippocampus. 2007 , 144, 1193-208	54
1248	Calcineurin (protein phosphatase 2B) is involved in the mechanisms of action of antidepressants. 2007 , 144, 1470-6	27
1247	Acute onset by 5-HT(6)-receptor activation on rat brain brain-derived neurotrophic factor and activity-regulated cytoskeletal-associated protein mRNA expression. 2007 , 147, 778-85	55
1246	Tricyclic antidepressants, but not the selective serotonin reuptake inhibitor fluoxetine, bind to the S1S2 domain of AMPA receptors. 2007 , 458, 213-9	13
1245	Effects of fluoxetine on ischemic cells and expressions in BDNF and some antioxidants in the gerbil hippocampal CA1 region induced by transient ischemia. 2007 , 204, 748-58	61
1244	Neurokinin-1 (NK-1) receptor and brain-derived neurotrophic factor (BDNF) gene expression is differentially modulated in the rat spinal dorsal horn and hippocampus during inflammatory pain. 2007 , 3, 32	63
1243	Repeated electroconvulsive stimuli have long-lasting effects on hippocampal BDNF and decrease immobility time in the rat forced swim test. 2007 , 80, 1539-43	48
1242	Increased central brain-derived neurotrophic factor activity could be a risk factor for substance abuse: Implications for treatment. 2007 , 68, 410-4	29
1241	The P11, tPA/plasminogen system and brain-derived neurotrophic factor: Implications for the pathogenesis of major depression and the therapeutic mechanism of antidepressants. 2007 , 68, 180-3	23

1240	TrkB partial agonists: potential treatment strategy for major depression. 2007 , 68, 674-6	15
1239	Attention-deficit hyperactivity disorder may be associated with decreased central brain-derived neurotrophic factor activity: clinical and therapeutic implications. 2007 , 68, 896-9	52
1238	Glatiramer acetate could be a potential antidepressant through its neuroprotective and anti-inflammatory effects. 2007 , 69, 145-8	19
1237	No association between the brain-derived neurotrophic factor (BDNF) Val66Met polymorphism and schizophrenia in Asian populations: Evidence from a case-control study and meta-analysis. 2007 , 415, 108-12	56
1236	Amitriptyline induces early growth response-1 gene expression via ERK and JNK mitogen-activated protein kinase pathways in rat C6 glial cells. 2007 , 422, 43-8	14
1235	Effects of neurosteroids on glucocorticoid receptor-mediated gene transcription in LMCAT cells--a possible interaction with psychotropic drugs. 2007 , 17, 37-45	13
1234	[Electroconvulsive therapy and schizophrenia]. 2007 , 33 Pt 3, S415-8	1
1233	A model for the involvement of neural cell adhesion molecules in stress-related mood disorders. 2007 , 85, 158-76	65
1232	Consensus paper of the WFSBP Task Force on Biological Markers: biological markers in depression. 2007 , 8, 141-74	175
1231	Neurotrophins in the dentate gyrus. 2007 , 163, 371-97	29
1230	Interferon-beta regulates cytokines and BDNF: greater effect in relapsing than in progressive multiple sclerosis. 2007 , 13, 459-70	45
1229	Regulation of adult hippocampal neurogenesis: relevance to depression. 2007 , 7, 853-64	32
1228	Allelic differences in the brain-derived neurotrophic factor Val66Met polymorphism in late-life depression. 2007 , 15, 850-7	69
1227	Pharmacologically diverse antidepressants rapidly activate brain-derived neurotrophic factor receptor TrkB and induce phospholipase-Cgamma signaling pathways in mouse brain. 2007 , 32, 2152-62	230
1226	Neuroimaging in posttraumatic stress disorder and other stress-related disorders. 2007 , 17, 523-38, ix	119
1225	Daily running promotes spatial learning and memory in rats. 2007 , 14, 105-8	18
1224	Brain-derived neurotrophic factor conditional knockouts show gender differences in depression-related behaviors. 2007 , 61, 187-97	412
1223	Decreased plasma brain derived neurotrophic factor levels in unmedicated bipolar patients during manic episode. 2007 , 61, 142-4	177

1222	Dopamine D2-like receptors and the antidepressant response. 2007 , 61, 145-53	127
1221	A role for MAP kinase signaling in behavioral models of depression and antidepressant treatment. 2007 , 61, 661-70	271
1220	Antidepressant-like effects of the histone deacetylase inhibitor, sodium butyrate, in the mouse. 2007 , 62, 55-64	382
1219	Enhanced long-term synaptic depression in an animal model of depression. 2007 , 62, 92-100	139
1218	Regulation of serotonin-1A receptor function in inducible brain-derived neurotrophic factor knockout mice after administration of corticosterone. 2007 , 62, 521-9	43
1217	Electroconvulsive seizures stimulate glial proliferation and reduce expression of Sprouty2 within the prefrontal cortex of rats. 2007 , 62, 505-12	42
1216	Direct inhibitory effect of fluoxetine on N-methyl-D-aspartate receptors in the central nervous system. 2007 , 62, 1303-9	73
1215	Neurogenic actions of atypical antipsychotic drugs and therapeutic implications. 2007 , 21, 715-25	73
1214	Regulation of Adult Neurogenesis. 2007 ,	
1213	Hippocampal neurogenesis, depressive disorders, and antidepressant therapy. 2007 , 2007, 73754	61
1212	Gliogenesis and glial pathology in depression. 2007 , 6, 219-33	416
1211	Exploratory behavior, cortical BDNF expression, and sleep homeostasis. 2007 , 30, 129-39	170
1210	Electroconvulsive Therapy: Update and New Research. 2007 , 1-17	2
1209	NEUROBIOLOGICAL PERSPECTIVES ON TRAUMA. 21-26	
1208	Ionotropic Glutamate Receptors. 2007 ,	1
1207	CREB, neurogenesis and depression. 2007 , 29, 957-61	115
1206	Association study of the brain-derived neurotrophic factor (BDNF) gene in attention deficit hyperactivity disorder. 2007 , 144B, 976-81	28
1205	Social isolation increases number of newly proliferated cells in hippocampus in female flinders sensitive line rats. 2007 , 17, 1193-200	21

1204	Antidepressant drugs reverse the loss of adult neural stem cells following chronic stress. 2007 , 85, 3574-85	97
1203	In vivo and in vitro measurement of brain phosphodiesterase 4 in rats after antidepressant administration. 2007 , 61, 78-86	15
1202	Antidepressant actions of the exercise-regulated gene VGF. 2007 , 13, 1476-82	217
1201	New insights into BDNF function in depression and anxiety. 2007 , 10, 1089-93	853
1200	Hippocampus-specific deletion of BDNF in adult mice impairs spatial memory and extinction of aversive memories. 2007 , 12, 656-70	521
1199	Is it time to reassess the BDNF hypothesis of depression?. 2007 , 12, 1079-88	317
1198	Brain-derived neurotrophic factor (BDNF) gene not associated with antidepressant-induced mania. 2007 , 9, 521-5	17
1197	Treatment with desipramine improves breathing and survival in a mouse model for Rett syndrome. 2007 , 25, 1915-22	110
1196	Laser capture microdissection and microarray analysis of dividing neural progenitor cells from the adult rat hippocampus. 2007 , 26, 1079-90	14
1195	Norepinephrine depletion facilitates recovery of function after focal ischemia in the rat. 2007 , 26, 1822-31	9
1194	Repeated exposure to cocaine differently modulates BDNF mRNA and protein levels in rat striatum and prefrontal cortex. 2007 , 26, 2756-63	88
1193	Electroconvulsive shock treatment differentially modulates cortical and subcortical endocannabinoid activity. 2007 , 103, 47-56	30
1192	Protection of dopaminergic neurons by electroconvulsive shock in an animal model of Parkinson's disease. 2007 , 103, 1542-52	15
1191	Reduced brain-derived neurotrophic factor is associated with a loss of serotonergic innervation in the hippocampus of aging mice. 2007 , 6, 482-90	56
1190	Candidate genes for panic disorder: insight from human and mouse genetic studies. 2007 , 6 Suppl 1, 2-23	22
1189	The effects of antidepressants on cyclic AMP-response element-driven gene transcription in a model cell system. 2007 , 73, 1995-2003	10
1188	DARPP-32 expression in rat brain after electroconvulsive stimulation. 2007 , 1179, 35-41	15
1187	Vagus nerve stimulation increases norepinephrine concentration and the gene expression of BDNF and bFGF in the rat brain. 2007 , 1179, 28-34	213

1186	Stress and electroconvulsive seizure differentially alter GPR56 expression in the adult rat brain. 2007 , 1183, 21-31	7
1185	Citalopram influences mGlu7, but not mGlu4 receptors' expression in the rat brain hippocampus and cortex. 2007 , 1184, 88-95	27
1184	From the Golgi-Cajal mapping to the transmitter-based characterization of the neuronal networks leading to two modes of brain communication: wiring and volume transmission. 2007 , 55, 17-54	189
1183	Expression of brain derived neurotrophic factor, activity-regulated cytoskeleton protein mRNA, and enhancement of adult hippocampal neurogenesis in rats after sub-chronic and chronic treatment with the triple monoamine re-uptake inhibitor tesofensine. 2007 , 555, 115-21	37
1182	Tianeptine increases brain-derived neurotrophic factor expression in the rat amygdala. 2007 , 565, 68-75	58
1181	Central kappa-opioid receptor-mediated antidepressant-like effects of nor-Binaltorphimine: behavioral and BDNF mRNA expression studies. 2007 , 570, 89-96	69
1180	Advances in small molecules promoting neurotrophic function. 2007 , 115, 292-306	114
1179	Metabotropic glutamate receptor ligands as possible anxiolytic and antidepressant drugs. 2007 , 115, 116-47	191
1178	Olfactory bulbectomy in mice leads to increased BDNF levels and decreased serotonin turnover in depression-related brain areas. 2007 , 25, 1-7	98
1177	Role of BDNF in bipolar and unipolar disorder: clinical and theoretical implications. 2007 , 41, 979-90	236
1176	Functional neuroimaging in post-traumatic stress disorder. 2007 , 7, 393-405	71
1175	Early maternal separation alters the response to traumatization: resulting in increased levels of hippocampal neurotrophic factors. 2007 , 22, 183-95	53
1174	Life-long hippocampal neurogenesis: environmental, pharmacological and neurochemical modulations. 2007 , 32, 1762-71	42
1173	Rapid activation of the extracellular signal-regulated kinase 1/2 (ERK1/2) signaling pathway by electroconvulsive shock in the rat prefrontal cortex is not associated with TrkB neurotrophin receptor activation. 2007 , 27, 585-94	14
1172	Transcorneal electrical stimulation of retina to treat longstanding retinal artery occlusion. 2007 , 245, 1773-80	53
1171	Kindling and sensitization as models for affective episode recurrence, cyclicity, and tolerance phenomena. 2007 , 31, 858-73	213
1170	BDNF level in the rat prefrontal cortex increases following chronic but not acute treatment with duloxetine, a dual acting inhibitor of noradrenaline and serotonin re-uptake. 2008 , 28, 457-68	46
1169	Neurophysiological and neurochemical aspects of the effects of antidepressants and mood stabilizers. 2008 , 40, 64-78	2

1168	Galanin, galanin receptor subtypes and depression-like behaviour. 2008 , 65, 1854-63	72
1167	Profiling of behavioral changes and hippocampal gene expression in mice chronically treated with the SSRI paroxetine. 2008 , 200, 557-72	77
1166	Progesterone pretreatment enhances serotonin-stimulated BDNF gene expression in rat c6 glioma cells through production of 5alpha-reduced neurosteroids. 2008 , 34, 193-200	30
1165	Neurotrophin and neuropeptide expression in mouse brain is regulated by knockout of the norepinephrine transporter. 2008 , 115, 973-82	11
1164	Antidepressant-like activity of zinc: further behavioral and molecular evidence. 2008 , 115, 1621-8	95
1163	Antidepressant drug treatments induce glial cell line-derived neurotrophic factor (GDNF) synthesis and release in rat C6 glioblastoma cells. 2001 , 79, 25-34	103
1162	Stimulation of adenylyl cyclase and induction of brain-derived neurotrophic factor and TrkB mRNA by NKH477, a novel and potent forskolin derivative. 1999 , 72, 2198-205	22
1161	Chemokine receptors and neurotrophic factors: potential therapy against aids dementia?. 2008 , 86, 243-55	20
1160	Evidence for association between genetic variants of p75 neurotrophin receptor (p75NTR) gene and antidepressant treatment response in Chinese major depressive disorder. 2008 , 147B, 594-9	19
1159	Stress, depression, and neuroplasticity: a convergence of mechanisms. 2008 , 33, 88-109	1242
1158	Brain neurotrophic factors. Neurochemical and neurological aspects. 2008 , 2, 229-238	2
1157	Neuroimaging genetics: new perspectives in research on major depression?. 2008 , 118, 363-72	67
1156	Gene expression patterns in brain cortex of three different animal models of depression. 2008 , 7, 649-58	31
1155	Amygdala volume in major depressive disorder: a meta-analysis of magnetic resonance imaging studies. 2008 , 13, 993-1000	350
1154	Reduced gray matter brain volumes are associated with variants of the serotonin transporter gene in major depression. 2008 , 13, 1093-101	131
1153	Brain foods: the effects of nutrients on brain function. 2008 , 9, 568-78	716
1152	Lithium regulates adult hippocampal progenitor development through canonical Wnt pathway activation. 2008 , 13, 285-92	156
1151	BDNF and the diseased nervous system: a delicate balance between adaptive and pathological processes of gene regulation. 2008 , 105, 1-17	120

1150	Relationship between post-traumatic stress disorder-like behavior and reduction of hippocampal 5-bromo-2'-deoxyuridine-positive cells after inescapable shock in rats. 2008 , 62, 713-20	22
1149	Electroconvulsive seizure restores neurogenesis and hippocampus-dependent fear memory after disruption by irradiation. 2008 , 27, 1485-93	63
1148	Brain-derived neurotrophic factor and neurogenesis in the adult rat dentate gyrus: interactions with corticosterone. 2008 , 27, 2493-500	53
1147	The p75 neurotrophin receptor regulates hippocampal neurogenesis and related behaviours. 2008 , 28, 883-92	64
1146	Neurobiology of addiction. An integrative review. 2008 , 75, 266-322	276
1145	Stress sensitivity and resilience in the chronic mild stress rat model of depression; an in situ hybridization study. 2008 , 1196, 41-52	158
1144	Voluntary exercise produces antidepressant and anxiolytic behavioral effects in mice. 2008 , 1199, 148-58	319
1143	Exacerbated mechanical allodynia in rats with depression-like behavior. 2008 , 1200, 27-38	66
1142	Curcumin protects against glutamate excitotoxicity in rat cerebral cortical neurons by increasing brain-derived neurotrophic factor level and activating TrkB. 2008 , 1210, 84-91	102
1141	Repeated application of an electric field increases BDNF in the brain, enhances spatial learning, and induces infarct tolerance. 2008 , 1212, 79-88	12
1140	Differential regulation of central BDNF protein levels by antidepressant and non-antidepressant drug treatments. 2008 , 1211, 37-43	157
1139	Temporal expression of brain-derived neurotrophic factor (BDNF) mRNA in the rat hippocampus after treatment with selective and mixed monoaminergic antidepressants. 2008 , 578, 114-22	57
1138	Influence of brain-derived neurotrophic factor (BDNF) on serotonin neurotransmission in the hippocampus of adult rodents. 2008 , 587, 90-8	41
1137	Breathing dysfunction in Rett syndrome: understanding epigenetic regulation of the respiratory network. 2008 , 164, 55-63	52
1136	Consequences of changes in BDNF levels on serotonin neurotransmission, 5-HT transporter expression and function: studies in adult mice hippocampus. 2008 , 90, 174-83	46
1135	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
1134	Brain-derived neurotrophic factor and its receptor tropomyosin-related kinase B in the mechanism of action of antidepressant therapies. 2008 , 117, 30-51	150
1133	Ethanol-BDNF interactions: still more questions than answers. 2008 , 118, 36-57	112

1132	Decreased brain docosahexaenoic acid content produces neurobiological effects associated with depression: Interactions with reproductive status in female rats. 2008 , 33, 1279-92	82
1131	Sertraline slows disease progression and increases neurogenesis in N171-82Q mouse model of Huntington's disease. 2008 , 30, 312-322	114
1130	BDNF gene: functional Val66Met polymorphism in mood disorders and schizophrenia. 2008 , 9, 1589-93	81
1129	Interaction between BDNF and serotonin: role in mood disorders. 2008 , 33, 73-83	507
1128	Identifying molecular substrates in a mouse model of the serotonin transporter x environment risk factor for anxiety and depression. 2008 , 63, 840-6	116
1127	Selective loss of brain-derived neurotrophic factor in the dentate gyrus attenuates antidepressant efficacy. 2008 , 63, 642-9	289
1126	Association study of 10 genes encoding neurotrophic factors and their receptors in adult and child attention-deficit/hyperactivity disorder. 2008 , 63, 935-45	86
1125	A postpartum model in rat: behavioral and gene expression changes induced by ovarian steroid deprivation. 2008 , 64, 311-9	106
1124	Serum brain-derived neurotrophic factor, depression, and antidepressant medications: meta-analyses and implications. 2008 , 64, 527-32	891
1123	Future Antidepressant Targets: Neurotrophic Factors and Related Signaling Cascades. 2008 , 5, 151-156	58
1122	Brain-derived neurotrophic factor and tyrosine kinase B receptor signalling in post-mortem brain of teenage suicide victims. 2008 , 11, 1047-61	133
1121	The Molecular Mechanisms of Reward. 2008 , 193-215	1
1120	Epigenetics [Chromatin Structure and Rett Syndrome. 2008 , 859-878	
1119	Brain-derived neurotrophic factor gene expression in pediatric bipolar disorder: effects of treatment and clinical response. 2008 , 47, 1077-85	78
1118	Depletion of central BDNF in mice impedes terminal differentiation of new granule neurons in the adult hippocampus. 2008 , 39, 372-83	123
1117	Neuronal actions of glucocorticoids: focus on depression. 2008 , 108, 300-9	63
1116	CREB-regulated diurnal activity patterns are not indicative for depression-like symptoms in mice and men. 2008 , 70, 117-21	0
1115	Noradrenergic stimulation of BDNF synthesis in astrocytes: mediation via alpha1- and beta1/beta2-adrenergic receptors. 2008 , 52, 297-306	78

1114	Chronic treatment with a selective ligand for the sigma-1 receptor chaperone, SA4503, up-regulates BDNF protein levels in the rat hippocampus. 2008 , 440, 19-22	45
1113	Chronic unpredictable stress promotes neuronal apoptosis in the cerebral cortex. 2008 , 442, 104-8	101
1112	Effects of treadmill running on mid-term memory and swim speed in the rat with Morris water maze test. 2008 , 12, 72-5	39
1111	TrkB regulates hippocampal neurogenesis and governs sensitivity to antidepressive treatment. 2008 , 59, 399-412	480
1110	An animal model of a behavioral intervention for depression. 2008 , 60, 149-61	130
1109	The differential regulation of BDNF and TrkB levels in juvenile rats after four days of escitalopram and desipramine treatment. 2008 , 54, 251-7	34
1108	Chronic antidepressant treatments increase basic fibroblast growth factor and fibroblast growth factor-binding protein in neurons. 2008 , 55, 1114-20	80
1107	Behavioral and serotonergic consequences of decreasing or increasing hippocampus brain-derived neurotrophic factor protein levels in mice. 2008 , 55, 1006-14	122
1106	Voluntary exercise or amphetamine treatment, but not the combination, increases hippocampal brain-derived neurotrophic factor and synapsin I following cortical contusion injury in rats. 2008 , 154, 530-40	80
1105	Extinction-induced "despair" in aged and adult rats: links to neurotrophins in frontal cortex and hippocampus. 2008 , 90, 519-26	22
1104	Efficacy of electroconvulsive therapy is associated with changing blood levels of homovanillic acid and brain-derived neurotrophic factor (BDNF) in refractory depressed patients: a pilot study. 2008 , 32, 1185-90	67
1103	Brain-derived neurotrophic factor and neuroplasticity in bipolar disorder. 2008 , 8, 1101-13	133
1102	Association between BDNF Val66Met polymorphism and trait depression is mediated via resting EEG alpha band activity. 2008 , 79, 275-84	59
1101	The antidepressant sertraline improves the phenotype, promotes neurogenesis and increases BDNF levels in the R6/2 Huntington's disease mouse model. 2008 , 210, 154-63	130
1100	Involvement of glutathione, ERK1/2 phosphorylation and BDNF expression in the antidepressant-like effect of zinc in rats. 2008 , 188, 316-23	45
1099	Nature vs. nurture: can enrichment rescue the behavioural phenotype of BDNF heterozygous mice?. 2008 , 192, 254-8	86
1098	Animal models of psychiatric disease. 2008 , 18, 235-40	40
1097	VEGF as a potential target for therapeutic intervention in depression. 2008 , 8, 14-9	109

1096	The immediate early gene Arc is associated with behavioral resilience to stress exposure in an animal model of posttraumatic stress disorder. 2008 , 18, 107-16	43
1095	Acute tryptophan depletion does not alter central or plasma brain-derived neurotrophic factor in the rat. 2008 , 18, 317-22	9
1094	Relationship between antidepressants and IGF-1 system in the brain: possible role in cognition. 2008 , 18, 431-8	29
1093	The dorsal raphe nucleus and serotonin: implications for neuroplasticity linked to major depression and Alzheimer's disease. 2008 , 172, 233-64	113
1092	Cognitive role of neurogenesis in depression and antidepressant treatment. 2008 , 14, 326-38	76
1091	The antidepressant fluoxetine restores plasticity in the adult visual cortex. 2008 , 320, 385-8	682
1090	Riluzole in the treatment of mood and anxiety disorders. 2008 , 22, 761-86	121
1089	Antipsychotic drugs: comparison in animal models of efficacy, neurotransmitter regulation, and neuroprotection. 2008 , 60, 358-403	190
1088	Fluoxetine improves the quality of life in patients with poststroke emotional disturbances. 2008 , 26, 266-71	26
1087	Effects of long-term stress and recovery on the prefrontal cortex and dentate gyrus in male and female rats. 2008 , 18, 2762-74	36
1086	Plasma brain-derived neurotrophic factor as a peripheral marker for the action mechanism of antidepressants. 2008 , 57, 194-9	100
1085	Glucocorticoid prevents brain-derived neurotrophic factor-mediated maturation of synaptic function in developing hippocampal neurons through reduction in the activity of mitogen-activated protein kinase. 2008 , 22, 546-58	90
1084	Identification of gene transcripts in rat frontal cortex that are regulated by repeated electroconvulsive seizure treatment. 2008 , 58, 171-7	5
1083	Repeated electroconvulsive seizure induces c-Myc down-regulation and Bad inactivation in the rat frontal cortex. 2008 , 40, 435-44	10
1082	Electroconvulsive stimulations prevent stress-induced morphological changes in the hippocampus. 2008 , 11, 282-9	32
1081	Targeting TrkB neurotrophin receptor to treat depression. 2008 , 12, 705-15	27
1080	Repeated unpredictable stress and antidepressants differentially regulate expression of the bcl-2 family of apoptotic genes in rat cortical, hippocampal, and limbic brain structures. 2008 , 33, 1545-58	125
1079	Maintenance treatment with fluoxetine is necessary to sustain normal levels of synaptic markers in an experimental model of depression: correlation with behavioral response. 2008 , 33, 1896-908	56

1078	Handbook of Neurochemistry and Molecular Neurobiology. 2008 ,	3
1077	A brain-derived neurotrophic factor (BDNF) haplotype is associated with antidepressant treatment outcome in mood disorders. 2008 , 8, 101-12	68
1076	Serum concentrations of nerve growth factor and brain-derived neurotrophic factor in depressed patients before and after antidepressant treatment. 2008 , 41, 66-71	95
1075	Novel augmentation therapy with cilostazol for the geriatric major depressive disorder patient with deep white matter hyperintensities on T2-weighted brain MRI: a case report. 2008 , 41, 37-9	9
1074	Brain-derived neurotrophic factor-deficient mice exhibit a hippocampal hyperserotonergic phenotype. 2008 , 11, 79-92	49
1073	Brain-derived neurotrophic factor and antidepressant action: another piece of evidence from pharmacogenetics. 2008 , 9, 1353-8	20
1072	Is the selective serotonin reuptake inhibitor fluoxetine a fountain of youth?. 2008 , 3, 385-389	1
1071	GSK-3 Inhibitors: Recent Developments and Therapeutic Potential. 2008 , 3, 195-205	2
1070	Housing conditions modulate escitalopram effects on antidepressive-like behaviour and brain neurochemistry. 2008 , 11, 1135-47	20
1069	Section I □The efficacy and safety of electroconvulsive therapy. 57-82	
1068	Evidence of association between brain-derived neurotrophic factor gene and bipolar disorder. 2008 , 18, 267-74	47
1067	No influence of noradrenaline manipulation on acute exercise-induced increase of brain-derived neurotrophic factor. 2008 , 40, 1990-6	42
1066	Electroconvulsive therapy, brain-derived neurotrophic factor, and possible neurorestorative benefit of the clinical application of electroconvulsive therapy. 2008 , 24, 160-5	42
1065	The relevance of experimental pharmacology to currently available sleep□wake therapeutics. 433-461	
1064	Can antidepressants act as potential pro-neoplastic agents in patients with neurotrophic factor-related cancers?. 2008 , 13, 849-50	
1063	Transcutaneous electrical retinal stimulation therapy for age-related macular degeneration. 2008 , 2, 132-6	12
1062	Is Depression in Epilepsy the Expression of a Neurological Disorder?. 2008 , 67-87	
1061	Biomedical links between cognitions and behaviour. 2008 , 33-49	

1060	Adenylyl cyclase-cyclicAMP signaling in mood disorders: role of the crucial phosphorylating enzyme protein kinase A. 2008 , 4, 161-76	59
1059	Neurochemical effects of electrically induced seizures: Relevance to the antidepressant mechanism of electroconvulsive therapy. 45-74	
1058	Brain-derived neurotrophic factor: role in depression and suicide. 2009 , 5, 433-49	210
1057	TrkB as a therapeutic target for ovarian cancer. 2009 , 13, 1169-78	18
1056	Epigenomics in psychiatry. 2009 , 60, 2-4	7
1055	Bipolar Depression: Molecular Neurobiology, Clinical Diagnosis and Pharmacotherapy. 2009 ,	2
1054	Target identification for CNS diseases by transcriptional profiling. 2009 , 34, 18-54	121
1053	Fat intake and CNS functioning: ageing and disease. 2009 , 55, 202-28	39
1052	Cyclic AMP-specific phosphodiesterase-4 as a target for the development of antidepressant drugs. 2009 , 15, 1688-98	120
1051	Endocannabinoids in the treatment of mood disorders: evidence from animal models. 2009 , 15, 1623-46	70
1050	Programmed acute electrical stimulation of ventral tegmental area alleviates depressive-like behavior. 2009 , 34, 1057-66	64
1049	Enhanced sensitivity of the MRL/MpJ mouse to the neuroplastic and behavioral effects of chronic antidepressant treatments. 2009 , 34, 1764-73	55
1048	Synergistic neurochemical and behavioural effects of acute intrahippocampal injection of brain-derived neurotrophic factor and antidepressants in adult mice. 2009 , 12, 905-15	35
1047	Abstinence following alcohol drinking produces depression-like behavior and reduced hippocampal neurogenesis in mice. 2009 , 34, 1209-22	108
1046	Effects of the brain-derived neurotrophic growth factor val66met variation on hippocampus morphology in bipolar disorder. 2009 , 34, 944-51	89
1045	No association between the brain-derived neurotrophic factor gene and panic disorder in Japanese population. 2009 , 54, 437-9	13
1044	Polymorphisms in the SLC6A4 and HTR2A genes influence treatment outcome following antidepressant therapy. 2009 , 9, 61-70	88
1043	Induction of neuronal vascular endothelial growth factor expression by cAMP in the dentate gyrus of the hippocampus is required for antidepressant-like behaviors. <i>Journal of Neuroscience</i> , 2009 , 29, 8493-505	59

1042	Sex differences in the effects of acute and chronic stress and recovery after long-term stress on stress-related brain regions of rats. 2009 , 19, 1978-89	68
1041	Changes in BDNF serum levels in patients with major depression disorder (MDD) after 6 months treatment with sertraline, escitalopram, or venlafaxine. 2009 , 43, 247-54	189
1040	Expression of hippocampal brain-derived neurotrophic factor and its receptors in Stanley consortium brains. 2009 , 43, 1175-84	118
1039	PUFA induce antidepressant-like effects in parallel to structural and molecular changes in the hippocampus. 2009 , 34, 199-211	140
1038	Improvement of depressive behaviors by nefiracetam is associated with activation of CaM kinases in olfactory bulbectomized mice. 2009 , 1265, 205-14	22
1037	Effects of repeated citalopram treatment on kainic acid-induced neurogenesis in adult mouse hippocampus. 2009 , 1288, 18-28	13
1036	A combined effect of dextromethorphan and melatonin on neuropathic pain behavior in rats. 2009 , 1288, 42-9	22
1035	Glial glucocorticoid receptors in aged Fisher 344 (F344) and F344/Brown Norway rats. 2009 , 44, 335-43	11
1034	Effects of escitalopram on the regulation of brain-derived neurotrophic factor and nerve growth factor protein levels in a rat model of chronic stress. 2009 , 87, 2551-60	40
1033	Intracerebral administration of brain-derived neurotrophic factor (BDNF) reduces severity of cataleptic freezing in mice with genetic predisposition to catalepsy. 2009 , 148, 889-91	3
1032	Depression and epilepsy: do glucocorticoids and glutamate explain their relationship?. 2009 , 9, 307-12	20
1031	Roles of the hippocampal formation in pain information processing. 2009 , 25, 237-66	104
1030	Opposite effects of milnacipran, a serotonin norepinephrine reuptake inhibitor, on the levels of nitric oxide and brain-derived neurotrophic factor in mouse brain cortex. 2009 , 380, 479-86	9
1029	Chronic treatment with the selective NOP receptor antagonist [Nphe 1, Arg 14, Lys 15]N/OFQ-NH ₂ (UFP-101) reverses the behavioural and biochemical effects of unpredictable chronic mild stress in rats. 2009 , 207, 173-89	58
1028	Depression and antidepressants: molecular and cellular aspects. 2009 , 66, 2985-3008	57
1027	The mood stabilizers lithium and valproate selectively activate the promoter IV of brain-derived neurotrophic factor in neurons. 2009 , 14, 51-9	263
1026	The extracellular signal-regulated kinase pathway contributes to the control of behavioral excitement. 2009 , 14, 448-61	91
1025	Lithium enhances the neuronal differentiation of neural progenitor cells in vitro and after transplantation into the avulsed ventral horn of adult rats through the secretion of brain-derived neurotrophic factor. 2009 , 108, 1385-98	42

1024	Knockout of the norepinephrine transporter and pharmacologically diverse antidepressants prevent behavioral and brain neurotrophin alterations in two chronic stress models of depression. 2009 , 111, 403-16	85
1023	Psychiatric vulnerability: suggestions from animal models and role of neurotrophins. 2009 , 33, 525-36	61
1022	NMDA receptor antagonist memantine promotes cell proliferation and production of mature granule neurons in the adult hippocampus. 2009 , 63, 259-66	64
1021	Interest of using genetically manipulated mice as models of depression to evaluate antidepressant drugs activity: a review. 2009 , 23, 23-42	24
1020	Brain-derived neurotrophic factor, stress and depression: a minireview. 2009 , 78, 267-9	72
1019	Effect of olfactory bulbectomy on adenylyl cyclase activity in the limbic system. 2009 , 79, 32-6	2
1018	Influence of environmental manipulation on exploratory behaviour in male BDNF knockout mice. 2009 , 197, 339-46	39
1017	Neuropeptides in depression: role of VGF. 2009 , 197, 262-78	69
1016	Peripheral insulin-like growth factor-I produces antidepressant-like behavior and contributes to the effect of exercise. 2009 , 198, 366-71	98
1015	Role of BDNF Val66Met functional polymorphism in Alzheimer's disease-related depression. 2009 , 30, 1406-12	62
1014	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
1013	An enriched environment restores normal behavior while providing cytoskeletal restoration and synaptic changes in the hippocampus of rats exposed to an experimental model of depression. 2009 , 164, 929-40	20
1012	Decreased expression of serotonin 1A receptor in the dentate gyrus in association with chronic mild stress: a rat model of post-stroke depression. 2009 , 170, 245-51	29
1011	Maternal postpartum learned helplessness (LH) affects maternal care by dams and responses to the LH test in adolescent offspring. 2009 , 56, 112-20	18
1010	Suicide neurobiology. 2009 , 89, 315-33	141
1009	Possible role of sertraline against 3-nitropropionic acid induced behavioral, oxidative stress and mitochondrial dysfunctions in rat brain. 2009 , 33, 100-8	67
1008	Neurophysiological mechanisms of electroconvulsive therapy for depression. 2009 , 64, 3-11	48
1007	Immunohistochemical evaluation of the protein expression of nerve growth factor and its TrkA receptor in rat limbic regions following electroshock seizures. 2009 , 65, 201-9	22

1006	Single immobilization stress differentially alters the expression profile of transcripts of the brain-derived neurotrophic factor (BDNF) gene and histone acetylation at its promoters in the rat hippocampus. 2009 , 12, 73-82	142
1005	Forkhead box, class O transcription factors in brain: regulation and behavioral manifestation. 2009 , 65, 150-9	89
1004	Neurotrophin receptor activation and expression in human postmortem brain: effect of suicide. 2009 , 65, 319-28	85
1003	Erythropoietin induction by electroconvulsive seizure, gene regulation, and antidepressant-like behavioral effects. 2009 , 66, 267-74	56
1002	Serotonin affects transcranial direct current-induced neuroplasticity in humans. 2009 , 66, 503-8	186
1001	Genetic variation in brain-derived neurotrophic factor is associated with serotonin transporter but not serotonin-1A receptor availability in men. 2009 , 66, 477-85	52
1000	Blocked inhibitory serine-phosphorylation of glycogen synthase kinase-3alpha/beta impairs in vivo neural precursor cell proliferation. 2009 , 66, 494-502	97
999	A brain-derived neurotrophic factor haplotype is associated with therapeutic response in obsessive-compulsive disorder. 2009 , 66, 674-80	33
998	Brain-derived neurotrophic factor and TrkB receptor in experimental autoimmune encephalomyelitis and multiple sclerosis. 2009 , 287, 17-26	53
997	Antidepressants increase neural progenitor cells in the human hippocampus. 2009 , 34, 2376-89	512
996	Current investigational drugs for major depression. 2009 , 18, 767-88	79
995	Neuronal correlates of brain-derived neurotrophic factor Val66Met polymorphism and morphometric abnormalities in bipolar disorder. 2009 , 34, 1904-13	92
994	Acute stress responsiveness of the neurotrophin BDNF in the rat hippocampus is modulated by chronic treatment with the antidepressant duloxetine. 2009 , 34, 1523-32	95
993	Long-lasting behavioural and molecular alterations induced by early postnatal fluoxetine exposure are restored by chronic fluoxetine treatment in adult mice. 2009 , 19, 97-108	106
992	Plasma Brain-Derived Neurotrophic Factor in treatment-resistant depressed patients receiving electroconvulsive therapy. 2009 , 19, 349-55	83
991	Repeated stress prevents cocaine-induced activation of BDNF signaling in rat prefrontal cortex. 2009 , 19, 402-8	37
990	Effect of basic fibroblast growth factor (FGF2) gene polymorphisms on SSRIs treatment response and side effects. 2009 , 19, 718-25	16
989	Stress-mediated decreases in brain-derived neurotrophic factor as potential confounding factor for acute tryptophan depletion-induced neurochemical effects. 2009 , 19, 812-21	13

988	Effect of repeated co-treatment with fluoxetine and amantadine on the behavioral reactivity of the central dopamine and serotonin system in rats. 2009 , 61, 924-9	4
987	Zinc-induced adaptive changes in NMDA/glutamatergic and serotonergic receptors. 2009 , 61, 1184-91	44
986	Influences of chronic venlafaxine, olanzapine and nicotine on the hippocampal and cortical concentrations of brain-derived neurotrophic factor (BDNF). 2009 , 61, 1017-23	54
985	The role of pharmacogenetics in the treatment of depression and anxiety disorders. 2009 , 24, 277-88	51
984	Calpains as a target for therapy of neurodegenerative diseases: putative role of lithium. 2009 , 10, 433-47	30
983	Prospect of a dopamine contribution in the next generation of antidepressant drugs: the triple reuptake inhibitors. 2009 , 10, 1069-84	57
982	Desipramine prevents stress-induced changes in depressive-like behavior and hippocampal markers of neuroprotection. 2009 , 20, 273-85	77
981	Adult hippocampal neurogenesis and related neurotrophic factors. 2009 , 42, 239-44	176
980	Usage des traitements par l'électrochoc en psychiatrie. 2009 , 6, 1-14	
979	Effect of Antidepressant Therapy on Executive Function after Stroke*. 2009 , 7, 424-430	
978	Chronic vagus nerve stimulation induces neuronal plasticity in the rat hippocampus. 2009 , 12, 1209-21	105
977	Pharmacomimetics of exercise: novel approaches for hippocampally-targeted neuroprotective agents. 2009 , 16, 4668-78	61
976	Mutant mouse models and antidepressant drug research: focus on serotonin and brain-derived neurotrophic factor. 2009 , 20, 18-32	44
975	The expanding universe of neurotrophic factors: therapeutic potential in aging and age-associated disorders. 2010 , 16, 698-717	33
974	Fuzi polysaccharide-1 produces antidepressant-like effects in mice. 2010 , 13, 623-33	62
973	The rapid effects of estrogen: a mini-review. 2010 , 21, 465-72	40
972	Antidepressant treatment restores brain-derived neurotrophic factor serum levels and ameliorates motor function in Parkinson disease patients. 2010 , 30, 751-3	18
971	Antidepressant effects of estrogens: a basic approximation. 2010 , 21, 451-64	42

970	Genetics of Bipolar Disorder. 2010 , 110-123	6
969	Novel etiological and therapeutic strategies for neurodegenerative diseases: epigenetic understanding of gene-environment interactions. 2010 , 113, 3-8	8
968	What can post-mortem studies tell us about the pathoetiology of suicide?. 2010 , 5, 701-720	36
967	Cabergoline, a dopamine receptor agonist, has an antidepressant-like property and enhances brain-derived neurotrophic factor signaling. 2010 , 211, 291-301	27
966	p75 neurotrophin receptor regulates basal and fluoxetine-stimulated hippocampal neurogenesis. 2010 , 200, 161-7	22
965	Announced reward counteracts the effects of chronic social stress on anticipatory behavior and hippocampal synaptic plasticity in rats. 2010 , 201, 641-51	15
964	The role of proteomics in depression research. 2010 , 260, 499-506	49
963	Overview of the genetics of major depressive disorder. 2010 , 12, 539-46	269
962	Regulation of brain-derived neurotrophic factor (BDNF) and cerebral dopamine neurotrophic factor (CDNF) by anti-parkinsonian drug therapy in vivo. 2010 , 30, 361-8	37
961	Increased plasma levels of brain derived neurotrophic factor (BDNF) in patients with fibromyalgia. 2010 , 35, 830-4	46
960	Regulation of brain-derived neurotrophic factor (BDNF) in the chronic unpredictable stress rat model and the effects of chronic antidepressant treatment. 2010 , 44, 808-16	120
959	Sigma receptors: potential targets for a new class of antidepressant drug. 2010 , 127, 271-82	92
958	Rosiglitazone, an agonist of peroxisome proliferator-activated receptor gamma, decreases immunoreactivity of markers for cell proliferation and neuronal differentiation in the mouse hippocampus. 2010 , 1329, 30-5	13
957	BDNF val66met polymorphism, white matter abnormalities and remission of geriatric depression. 2010 , 125, 262-8	82
956	Association of BDNF Val66Met polymorphism with both baseline HRQOL scores and improvement in HRQOL scores in Chinese major depressive patients treated with fluoxetine. 2010 , 25, 145-52	20
955	The role of BDNF and its receptors in depression and antidepressant drug action: Reactivation of developmental plasticity. 2010 , 70, 289-97	607
954	Transcriptome profiling in neurodegenerative disease. 2010 , 193, 189-202	50
953	Effects of repeated electroconvulsive seizure on cell proliferation in the rat hippocampus. 2010 , 64, 814-21	23

952	Knockdown of brain-derived neurotrophic factor in specific brain sites precipitates behaviors associated with depression and reduces neurogenesis. 2010 , 15, 80-92	341
951	Nurturing brain plasticity: impact of environmental enrichment. 2010 , 17, 1092-103	180
950	Brain-derived neurotrophic factor as a biomarker for mood disorders: an historical overview and future directions. 2010 , 64, 341-57	281
949	Interface between hypothalamic-pituitary-adrenal axis and brain-derived neurotrophic factor in depression. 2010 , 64, 447-59	129
948	Molecular imaging of post-traumatic stress disorder. 229-235	
947	Long-lasting effects of childhood abuse on neurobiology. 166-177	2
946	Evolving refractory major depressive disorder diagnostic and treatment paradigms: toward closed-loop therapeutics. 2010 , 3, 7	24
945	Sex-specific effects of chronic fluoxetine treatment on neuroplasticity and pharmacokinetics in mice. 2010 , 332, 266-73	65
944	Increase in hippocampal volume after electroconvulsive therapy in patients with depression: a volumetric magnetic resonance imaging study. 2010 , 26, 62-7	127
943	Excitation-transcription coupling via calcium/calmodulin-dependent protein kinase/ERK1/2 signaling mediates the coordinate induction of VGLUT2 and Narp triggered by a prolonged increase in glutamatergic synaptic activity. 2010 , 285, 14366-76	34
942	BDNF Val66Met is associated with introversion and interacts with 5-HTTLPR to influence neuroticism. 2010 , 35, 1083-9	85
941	Positive Allosteric Modulation of AMPA Receptors: A Novel Potential Antidepressant Therapy. 2010 , 39-56	1
940	Decreased serum BDNF levels in patients with epileptic and psychogenic nonepileptic seizures. 2010 , 75, 1285-91	65
939	Interaction between brain-derived neurotrophic factor Val66Met polymorphism and recent negative stressor in harm avoidance. 2010 , 61, 19-26	25
938	Alpha2-adrenoceptor blockade accelerates the neurogenic, neurotrophic, and behavioral effects of chronic antidepressant treatment. <i>Journal of Neuroscience</i> , 2010 , 30, 1096-109	6.6 83
937	Association of brain-derived neurotrophic factor genetic Val66Met polymorphism with severity of depression, efficacy of fluoxetine and its side effects in Chinese major depressive patients. 2010 , 61, 71-8	41
936	Intermittent hypoxia promotes hippocampal neurogenesis and produces antidepressant-like effects in adult rats. <i>Journal of Neuroscience</i> , 2010 , 30, 12653-63	6.6 141
935	Brain-derived neurotrophic factor (BDNF) gene: no major impact on antidepressant treatment response. 2010 , 13, 93-101	87

934	Spadin, a sortilin-derived peptide, targeting rodent TREK-1 channels: a new concept in the antidepressant drug design. 2010 , 8, e1000355	125
933	Antidepressants in the treatment of stroke. 2010 , 10, 1237-41	6
932	Antidepressant-like effects of kappa-opioid receptor antagonists in Wistar Kyoto rats. 2010 , 35, 752-63	109
931	Association of genetic variants in the neurotrophic receptor-encoding gene NTRK2 and a lifetime history of suicide attempts in depressed patients. 2010 , 67, 348-59	76
930	Breakdown of the Blood-Brain Barrier in Stress Alters Cognitive Dysfunction and Induces Brain Pathology: New Perspectives for Neuroprotective Strategies. 2010 , 243-303	10
929	A synthetic 7,8-dihydroxyflavone derivative promotes neurogenesis and exhibits potent antidepressant effect. 2010 , 53, 8274-86	149
928	Functional interactions between steroid hormones and neurotrophin BDNF. 2010 , 1, 133-43	54
927	Encyclopedia of Psychopharmacology. 2010 , 252-253	
926	Site-specific antidepressant effects of repeated subconvulsive electrical stimulation: potential role of brain-derived neurotrophic factor. 2010 , 67, 125-32	94
925	Synaptic adaptations of CA1 pyramidal neurons induced by a highly effective combinational antidepressant therapy. 2010 , 67, 146-54	33
924	A meta-analysis of cytokines in major depression. 2010 , 67, 446-57	3009
923	A role for p11 in the antidepressant action of brain-derived neurotrophic factor. 2010 , 68, 528-35	73
922	N-Methyl-d-Aspartate (NMDA) Antagonists for the Treatment of Depression. 2010 , 1-20	
921	Impaired neural stem/progenitor cell proliferation in streptozotocin-induced and spontaneous diabetic mice. 2010 , 68, 329-36	42
920	Antidepressant-like activity of the aqueous extract of <i>Allium macrostemon</i> in mice. 2010 , 131, 386-95	29
919	Fluvoxamine and sigma-1 receptor agonists dehydroepiandrosterone (DHEA)-sulfate induces the Ser473-phosphorylation of Akt-1 in PC12 cells. 2010 , 86, 309-14	24
918	Sensorimotor modulation of mood and depression: an integrative review. 2010 , 207, 249-64	53
917	Curcumin produces neuroprotective effects via activating brain-derived neurotrophic factor/TrkB-dependent MAPK and PI-3K cascades in rodent cortical neurons. 2010 , 34, 147-53	83

916	Brain-derived neurotrophic factor gene and protein expression in pediatric and adult depressed subjects. 2010 , 34, 645-51	92
915	TrkB signaling is required for behavioral sensitization and conditioned place preference induced by a single injection of cocaine. 2010 , 58, 1067-77	27
914	Promoter specific alterations of brain-derived neurotrophic factor mRNA in schizophrenia. 2010 , 169, 1071-84	76
913	[Affective disorders and antidepressant drugs: Therapeutic innovations]. 2010 , 36 Suppl 6, S183-7	2
912	Experience-dependent reactivation of ocular dominance plasticity in the adult visual cortex. 2010 , 226, 100-9	110
911	Meta-analysis of BDNF Val66Met polymorphism association with treatment response in patients with major depressive disorder. 2010 , 20, 535-44	78
910	The beta3 adrenoceptor agonist, amibegron (SR58611A) counteracts stress-induced behavioral and neurochemical changes. 2010 , 20, 704-13	26
909	Is there a role for the nuclear receptor PPAR γ in neuropsychiatric diseases?. 2010 , 13, 1411-29	31
908	Neurotrophic Factors and Antidepressant Action: Recent Advances. 2010 , 199-223	2
907	Further evidence supporting the influence of brain-derived neurotrophic factor on the outcome of bipolar depression: independent effect of brain-derived neurotrophic factor and harm avoidance. 2010 , 24, 1747-54	15
906	The epigenetics of suicide: explaining the biological effects of early life environmental adversity. 2010 , 14, 291-310	49
905	Role of brain-derived neurotrophic factor in the aetiology of depression: implications for pharmacological treatment. 2010 , 24, 1-7	87
904	Volumetric MRI studies of the hippocampus in major depressive disorder: Meanings of inconsistency and directions for future research. 2010 , 11, 19-35	43
903	NEUROBIOLOGY OF ADULT AND TEENAGE SUICIDE. 2011 , 4, 2-13	9
902	Stress-induced deficits in cognition and emotionality: a role of glutamate. 2012 , 12, 189-207	17
901	Exercise after traumatic brain injury: is it a double-edged sword?. 2011 , 3, S64-72	63
900	Neurogenesis in the Adult Brain II. 2011 ,	2
899	DISC1: Structure, Function, and Therapeutic Potential for Major Mental Illness. 2011 , 2, 609-632	89

898	Structural and synaptic plasticity in stress-related disorders. 2011 , 22, 535-49	209
897	BDNF gene polymorphisms are associated with Alzheimer's disease-related depression and antidepressant response. 2011 , 26, 523-30	33
896	Monoaminergic Antidepressants in the Relief of Pain: Potential Therapeutic Utility of Triple Reuptake Inhibitors (TRIs). 2011 , 4, 285-342	19
895	Depression, antidepressants, and neurogenesis: a critical reappraisal. 2011 , 36, 2589-602	212
894	Chronic unpredictable stress-induced reduction in the hippocampal brain-derived neurotrophic factor (BDNF) gene expression is antagonized by zinc treatment. 2011 , 63, 537-43	33
893	Effects of BDNF polymorphisms on brain function and behavior in health and disease. 2011 , 86, 287-97	86
892	The hydrophobic dipeptide Leu-Ile inhibits immobility induced by repeated forced swimming via the induction of BDNF. 2011 , 220, 271-80	20
891	Ketamine plus imipramine treatment induces antidepressant-like behavior and increases CREB and BDNF protein levels and PKA and PKC phosphorylation in rat brain. 2011 , 221, 166-71	128
890	Functional recovery in cerebral palsy may be potentiated by administration of selective serotonin reuptake inhibitors. 2011 , 77, 386-8	4
889	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
888	Biomarkers for major depression and its delineation from neurodegenerative disorders. 2011 , 95, 703-17	30
887	A cognitive neuropsychological model of antidepressant drug action. 2011 , 35, 1586-92	90
886	The early non-increase of serum BDNF predicts failure of antidepressant treatment in patients with major depression: a pilot study. 2011 , 35, 415-20	58
885	In animal models, psychosocial stress-induced (neuro)inflammation, apoptosis and reduced neurogenesis are associated to the onset of depression. 2011 , 35, 744-59	298
884	Repeated electroconvulsive seizure treatment in rats reduces inducibility of early growth response genes and hyperactivity in response to cocaine administration. 2011 , 35, 1014-21	10
883	Mechanisms of antidepressant action: an integrated dopaminergic perspective. 2011 , 35, 1532-43	30
882	Neurotoxic (+)-methamphetamine treatment in rats increases brain-derived neurotrophic factor and tropomyosin receptor kinase B expression in multiple brain regions. 2011 , 184, 164-71	33
881	Glial cell-line derived neurotrophic factor is essential for electroconvulsive shock-induced neuroprotection in an animal model of Parkinson's disease. 2011 , 195, 100-11	8

880	Effects of voluntary ethanol consumption on emotional state and stress responsiveness in socially isolated rats. 2011 , 21, 414-25	28
879	The keys to improving depression outcomes. 2011 , 21 Suppl 4, S694-702	9
878	Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. 2011 , 2, 73	62
877	Antidepressant drugs transactivate TrkB neurotrophin receptors in the adult rodent brain independently of BDNF and monoamine transporter blockade. 2011 , 6, e20567	89
876	Peptide mimetics of neurotrophins and their receptors. 2011 , 17, 2704-18	20
875	Reproduction: a new venue for studying function of adult neurogenesis?. 2011 , 20, 21-35	15
874	Neuroticism, depressive symptoms, and serum BDNF. 2011 , 73, 638-42	61
873	Characterization of electroconvulsive seizure-induced TIMP-1 and MMP-9 in hippocampal vasculature. 2011 , 14, 535-44	11
872	New strategies in the development of antidepressants: towards the modulation of neuroplasticity pathways. 2011 , 17, 521-33	38
871	Behavioural effects of antidepressants are dependent and independent on the integrity of the dentate gyrus. 2011 , 14, 967-76	2
870	The epigenetic effects of antidepressant treatment on human prefrontal cortex BDNF expression. 2011 , 14, 427-9	64
869	Stress and Human Neuroimaging Studies. 2011 , 446-462	1
868	Sustained downregulation of YY1-associated protein-related protein gene expression in rat hippocampus induced by repeated electroconvulsive shock. 2011 , 34, 249-52	1
867	Exploration of new molecular mechanisms for antidepressant actions of electroconvulsive seizure. 2011 , 34, 939-44	44
866	Effects of s-allyl-L-cysteine on cell proliferation and neuroblast differentiation in the mouse dentate gyrus. 2011 , 73, 1071-5	9
865	Serotonin triggers a transient epigenetic mechanism that reinstates adult visual cortex plasticity in rats. 2011 , 33, 49-57	103
864	Neurogenesis and affective disorders. 2011 , 33, 1152-9	212
863	A role for BDNF/TrkB signaling in behavioral and physiological consequences of social defeat stress. 2011 , 10, 424-33	55

862	Dose-related effects of venlafaxine on pCREB and brain-derived neurotrophic factor (BDNF) in the hippocampus of the rat by chronic unpredictable stress. 2011 , 23, 20-30	5
861	Administration of cannabidiol and imipramine induces antidepressant-like effects in the forced swimming test and increases brain-derived neurotrophic factor levels in the rat amygdala. 2011 , 23, 241-8	41
860	The GABAergic deficit hypothesis of major depressive disorder. 2011 , 16, 383-406	515
859	The role of BDNF in depression on the basis of its location in the neural circuitry. 2011 , 32, 3-11	201
858	Altered adult hippocampal neurogenesis in the YAC128 transgenic mouse model of Huntington disease. 2011 , 41, 249-60	86
857	The double edged sword of neural plasticity: increasing serotonin levels leads to both greater vulnerability to depression and improved capacity to recover. 2011 , 36, 339-51	83
856	Strain differences in the neurochemical response to chronic restraint stress in the rat: relevance to depression. 2011 , 97, 690-9	63
855	Eszopiclone facilitation of the antidepressant efficacy of fluoxetine using a social defeat stress model. 2011 , 99, 648-58	7
854	Depression and antidepressants: insights from knockout of dopamine, serotonin or noradrenaline re-uptake transporters. 2011 , 129, 352-68	143
853	Antistress properties of antidepressant drugs and their clinical implications. 2011 , 132, 39-56	32
852	Neurogenesis in Huntington's disease: can studying adult neurogenesis lead to the development of new therapeutic strategies?. 2011 , 1406, 84-105	46
851	BDNF-trkB signaling in late life cognitive decline and Alzheimer's disease. 2011 , 2,	9
850	Functional biomarkers of depression: diagnosis, treatment, and pathophysiology. 2011 , 36, 2375-94	305
849	Early Anoxic Damage to the Hippocampus and Its Modifications Resulting From Chronic Influences of Antidepressants. 2011 , 43, 103-112	4
848	The role of serotonin receptor subtypes in treating depression: a review of animal studies. 2011 , 213, 265-87	170
847	Fluoxetine regulates the expression of neurotrophic/growth factors and glucose metabolism in astrocytes. 2011 , 216, 75-84	145
846	Proteomic changes induced by anaesthesia and muscle relaxant treatment prior to electroconvulsive therapy. 2011 , 5, 644-9	16
845	Brain-derived neurotrophic factor expression is increased in the hippocampus of 5-HT(2C) receptor knockout mice. 2011 , 21, 434-45	30

844	Association between plasma paroxetine concentration and changes in plasma brain-derived neurotrophic factor levels in patients with major depressive disorder. 2011 , 26, 194-200	15
843	Altering BDNF expression by genetics and/or environment: impact for emotional and depression-like behaviour in laboratory mice. 2011 , 35, 599-611	89
842	Depression: a repair response to stress-induced neuronal microdamage that can grade into a chronic neuroinflammatory condition?. 2011 , 35, 742-64	118
841	Paroxetine rapidly modulates the expression of brain-derived neurotrophic factor mRNA and protein in a human glioblastoma-astrocytoma cell line. 2011 , 87, 5-10	28
840	Neurotrophins role in depression neurobiology: a review of basic and clinical evidence. 2011 , 9, 530-52	109
839	Imipramine treatment improves cognitive outcome associated with enhanced hippocampal neurogenesis after traumatic brain injury in mice. 2011 , 28, 995-1007	61
838	Dissociation of antidepressant-like activity of escitalopram and nortriptyline on behaviour and hippocampal BDNF expression in female rats. 2011 , 25, 1378-87	21
837	Serum brain-derived neurotrophic factor and antidepressant-naive major depression after lung cancer diagnosis. 2011 , 41, 1233-7	7
836	Electroconvulsive shock ameliorates disease processes and extends survival in huntingtin mutant mice. 2011 , 20, 659-69	18
835	Perspectives of BUFA-GPR40 Signaling Crucial for Adult Hippocampal Neurogenesis. 2011 , 149-171	
834	N-acetylserotonin promotes hippocampal neuroprogenitor cell proliferation in sleep-deprived mice. 2011 , 108, 8844-9	41
833	BDNF Val66Met genotype and 6-month remission rates in late-life depression. 2011 , 11, 146-54	42
832	Individual differences in chronically defeated male mice: behavioral, endocrine, immune, and neurotrophic changes as markers of vulnerability to the effects of stress. 2011 , 14, 537-48	43
831	Preclinical pharmacology of AZD2327: a highly selective agonist of the μ opioid receptor. 2011 , 338, 195-204	42
830	N-3 (omega-3) Fatty acids in postpartum depression: implications for prevention and treatment. 2011 , 2011, 467349	13
829	Val/Val genotype of brain-derived neurotrophic factor (BDNF) ValMet polymorphism is associated with a better response to OROS-MPH in Korean ADHD children. 2011 , 14, 1399-410	19
828	A study of brain and serum brain-derived neurotrophic factor protein in Wistar and Wistar-Kyoto rat strains after electroconvulsive stimulus. 2012 , 45, 244-9	25
827	Electroconvulsive Therapy: An Update. 2012 , 4, 350	1

826	Antidepressant-like activity of 10-hydroxy-trans-2-decenoic Acid, a unique unsaturated Fatty Acid of royal jelly, in stress-inducible depression-like mouse model. 2012 , 2012, 139140		22
825	Modulation of neuroplasticity pathways and antidepressant-like behavioural responses following the short-term (3 and 7 days) administration of the 5-HT _{1A} receptor agonist RS67333. 2012 , 15, 631-43		54
824	Molecular and cellular mechanisms of antidepressant action. 2013 , 14, 309-25		14
823	Deep brain stimulation for psychiatric disease: contributions and validity of animal models. 2012 , 4, 142rv8		106
822	Monoamine oxidase inhibitors and neuroprotection: a review. 2012 , 19, 436-48		38
821	Increased Cdk5/p35 activity in the dentate gyrus mediates depressive-like behaviour in rats. 2012 , 15, 795-809		40
820	Is neurogenesis relevant in depression and in the mechanism of antidepressant drug action? A critical review. 2012 , 13, 402-12		29
819	Brain-derived neurotrophic factor and neuropsychiatric disorders. 2012 , 64, 238-58		871
818	Increase of hippocampal glutamate after electroconvulsive treatment: a quantitative proton MR spectroscopy study at 9.4 T in an animal model of depression. 2012 , 13, 447-57		20
817	Biological and clinical framework for posttraumatic stress disorder. 2012 , 106, 291-342		21
816	The BDNF Val66Met polymorphism impairs synaptic transmission and plasticity in the infralimbic medial prefrontal cortex. <i>Journal of Neuroscience</i> , 2012 , 32, 2410-21	6.6	116
815	Vascular endothelial growth factor-dependent spinogenesis underlies antidepressant-like effects of enriched environment. 2012 , 287, 40938-55		24
814	Neurofibromin modulates adult hippocampal neurogenesis and behavioral effects of antidepressants. <i>Journal of Neuroscience</i> , 2012 , 32, 3529-39	6.6	24
813	Alleviation of ferric chloride-induced seizures and retarded behaviour in epileptic rats by cortical electrical stimulation treatment. 2012 , 40, 266-81		3
812	Dikkat Eksiklikli ve Hiperaktivite Bozukluđu (DEHB) Tanınsın Olan Ėocuklarda Serum Beyinden Klen Alan NĖtrofik Faktı (BDNF) Seviyelerinin Deđlendirilmesi: ĖcđBulgular. 2012 , 49, 96-101		1
811	Functional role of adult hippocampal neurogenesis as a therapeutic strategy for mental disorders. 2012 , 2012, 854285		70
810	Molecular adaptation to chronic antidepressant treatment: evidence for a more rapid response to the novel 5-HT _{2A} receptor antagonist/5-HT-noradrenaline reuptake inhibitor (SNRI), S35966, compared to the SNRI, venlafaxine. 2012 , 15, 617-29		14
809	Neural stem cell niches in health and diseases. 2012 , 18, 1755-83		65

808	Acute running stimulates hippocampal dopaminergic neurotransmission in rats, but has no influence on brain-derived neurotrophic factor. 2012 , 112, 535-41	40
807	The genetics of bipolar disorder. 196-211	
806	[Investigation on the mechanisms for the suppression of cell proliferation in the dentate gyrus of the hippocampus in ACTH treated rats]. 2012 , 132, 173-8	1
805	Regulators of synaptic transmission: roles in the pathogenesis and treatment of epilepsy. 2012 , 53 Suppl 9, 41-58	82
804	Neuromodulation in psychiatric disorders. 2012 , 107, 283-314	23
803	Brain-derived neurotrophic factor (BDNF) and its role in the functioning of the central nervous system. 2012 , 6, 251-259	12
802	Cannabidiol blocks long-lasting behavioral consequences of predator threat stress: possible involvement of 5HT1A receptors. 2012 , 46, 1501-10	79
801	Metaanálisis de la asociación del polimorfismo BDNF Val66Met con la respuesta al tratamiento en pacientes con trastorno depresivo mayor. 2012 , 19, 100-109	
800	Early reactions of brain-derived neurotrophic factor in plasma (pBDNF) and outcome to acute antidepressant treatment in patients with Major Depression. 2012 , 62, 264-9	52
799	Selective modulation of the PKC ϵ /p38MAP kinase signalling pathway for the antidepressant-like activity of amitriptyline. 2012 , 62, 289-96	19
798	Noradrenergic antidepressants increase cortical dopamine: potential use in augmentation strategies. 2012 , 63, 675-84	23
797	Effect of brain-derived neurotrophic factor on behavior and key members of the brain serotonin system in genetically predisposed to behavioral disorders mouse strains. 2012 , 214, 59-67	44
796	Is it all in the family? The effects of early social structure on neural-behavioral systems of prairie voles (<i>Microtus ochrogaster</i>). 2012 , 216, 46-56	16
795	'PUFA-GPR40-CREB signaling' hypothesis for the adult primate neurogenesis. 2012 , 51, 221-31	48
794	Differential effects of fluoxetine and venlafaxine on memory recognition: possible mechanisms of action. 2012 , 38, 159-67	27
793	Psychotropic drug effects on gene transcriptomics relevant to Parkinson's disease. 2012 , 38, 107-15	16
792	Major depression: a role for hippocampal neurogenesis?. 2013 , 14, 153-79	56
791	Optimization of a small tropomyosin-related kinase B (TrkB) agonist 7,8-dihydroxyflavone active in mouse models of depression. 2012 , 55, 8524-37	49

790	Anxiolytic effects of a novel herbal treatment in mice models of anxiety. 2012 , 90, 995-1000	19
789	The extracellular signal-regulated kinase pathway may play an important role in mediating antidepressant-stimulated hippocampus neurogenesis in depression. 2012 , 79, 87-91	14
788	Huntington's disease knock-in male mice show specific anxiety-like behaviour and altered neuronal maturation. 2012 , 507, 127-32	50
787	Two selected models of missense mutations in mice for the study of learning behaviour. 2012 , 88, 429-33	1
786	Reprint of: Effects of BDNF polymorphisms on brain function and behavior in health and disease. 2012 , 88, 406-17	3
785	Tramadol reinforces antidepressant effects of ketamine with increased levels of brain-derived neurotrophic factor and tropomyosin-related kinase B in rat hippocampus. 2012 , 6, 411-5	11
784	Selective DNA methylation of BDNF promoter in bipolar disorder: differences among patients with BDI and BDII. 2012 , 37, 1647-55	145
783	Curcumin produces antidepressant effects via activating MAPK/ERK-dependent brain-derived neurotrophic factor expression in the amygdala of mice. 2012 , 235, 67-72	69
782	Analysis of target genes regulated by chronic electroconvulsive therapy reveals role for Fzd6 in depression. 2012 , 71, 51-8	19
781	Deep brain stimulation reverses anhedonic-like behavior in a chronic model of depression: role of serotonin and brain derived neurotrophic factor. 2012 , 71, 30-5	120
780	Preclinical studies modeling deep brain stimulation for depression. 2012 , 72, 916-23	53
779	Brain-derived neurotrophic factor Val66Met polymorphism and antidepressant efficacy of ketamine in depressed patients. 2012 , 72, e27-8	150
778	Allopregnanolone regulates neurogenesis and depressive/anxiety-like behaviour in a social isolation rodent model of chronic stress. 2012 , 63, 1315-26	106
777	The fibroblast growth factor family: neuromodulation of affective behavior. 2012 , 76, 160-74	111
776	Differential BDNF responses of triple versus dual reuptake inhibition in neuronal and astrocytoma cells as well as in rat hippocampus and prefrontal cortex. 2012 , 48, 167-75	12
775	Neurosurgical treatments of depression. 2013 , 14, 327-39	9
774	Long-term course of brain-derived neurotrophic factor serum levels in a patient treated with deep brain stimulation of the lateral habenula. 2012 , 65, 147-52	29
773	Neuropsychiatric complications of epilepsy. 2012 , 107, 461-82	6

772	Novel insights into depression and antidepressants: a synergy between synaptogenesis and neurogenesis?. 2013 , 15, 243-91	34
771	Analysis of region-specific changes in gene expression upon treatment with citalopram and desipramine reveals temporal dynamics in response to antidepressant drugs at the transcriptome level. 2012 , 223, 281-97	12
770	Activity-dependent human brain coding/noncoding gene regulatory networks. 2012 , 192, 1133-48	135
769	Vagal nerve stimulation rapidly activates brain-derived neurotrophic factor receptor TrkB in rat brain. 2012 , 7, e34844	57
768	Plasma BDNF levels vary in relation to body weight in females. 2012 , 7, e39358	61
767	Antidepressant acts on astrocytes leading to an increase in the expression of neurotrophic/growth factors: differential regulation of FGF-2 by noradrenaline. 2012 , 7, e51197	60
766	Expression of monoamine transporters, nitric oxide synthase 3, and neurotrophin genes in antidepressant-stimulated astrocytes. 2012 , 3, 33	15
765	The role of dietary polyphenols on adult hippocampal neurogenesis: molecular mechanisms and behavioural effects on depression and anxiety. 2012 , 2012, 541971	92
764	The neuroprotective disease-modifying potential of psychotropics in Parkinson's disease. 2012 , 2012, 753548	11
763	Toward a limbic cortical inhibitory network: implications for hypothalamic-pituitary-adrenal responses following chronic stress. 2012 , 6, 7	31
762	Depression Viewed as a GABA/Glutamate Imbalance in the Central Nervous System. 2012 ,	
761	Phytochemicals as Antidepressants: The Involvement of Serotonin Receptor Function, Stress Resistance and Neurogenesis. 2012 ,	2
760	Mood disorders. 27-79	
759	A new synthetic varacin analogue, 8-(trifluoromethyl)-1,2,3,4,5-benzopentathiepin-6-amine hydrochloride (TC-2153), decreased hereditary catalepsy and increased the BDNF gene expression in the hippocampus in mice. 2012 , 221, 469-78	19
758	Epigenetic regulation of the BDNF gene: implications for psychiatric disorders. 2012 , 17, 584-96	211
757	(-)-3,4-methylenedioxymethamphetamine ("ecstasy") treatment modulates expression of neurotrophins and their receptors in multiple regions of adult rat brain. 2012 , 520, 2459-74	20
756	Increased expression of the Vesicular Glutamate Transporter-1 (VGLUT1) in the prefrontal cortex correlates with differential vulnerability to chronic stress in various mouse strains: effects of fluoxetine and MK-801. 2012 , 62, 503-17	39
755	[The development of depression: the role of brain-derived neurotrophic factor]. 2012 , 83, 869-77	7

754	Anxiogenic-like effects of chronic cannabidiol administration in rats. 2012 , 221, 239-47	51
753	Subchronic treatment with fluoxetine and ketanserin increases hippocampal brain-derived neurotrophic factor, BDNF and antidepressant-like effects. 2012 , 165, 1046-57	45
752	Stress, depression and Parkinson's disease. 2012 , 233, 79-86	130
751	Antidepressant-like effects of the saponins extracted from Chaihu-jia-longgu-muli-tang in a rat unpredictable chronic mild stress model. 2012 , 83, 93-103	32
750	From depressive symptoms to depression in people with epilepsy: contribution of physical exercise to improve this picture. 2012 , 99, 1-13	23
749	The role of BDNF in the pathophysiology and treatment of schizophrenia. 2012 , 46, 1-11	137
748	Drug withdrawal-induced depression: serotonergic and plasticity changes in animal models. 2012 , 36, 696-726	36
747	Minocycline produced antidepressant-like effects on the learned helplessness rats with alterations in levels of monoamine in the amygdala and no changes in BDNF levels in the hippocampus at baseline. 2012 , 100, 601-6	68
746	The effects of chronic administration of tranylcypromine and rimonabant on behaviour and protein expression in brain regions of the rat. 2012 , 100, 506-12	9
745	Lamotrigine treatment reverses depressive-like behavior and alters BDNF levels in the brains of maternally deprived adult rats. 2012 , 101, 348-53	23
744	Antidepressant-like effects of Δ-tetrahydrocannabinol and rimonabant in the olfactory bulbectomised rat model of depression. 2012 , 102, 357-65	27
743	Brain Derived Neurotrophic Factor: a novel neurotrophin involved in psychiatric and neurological disorders. 2012 , 134, 116-24	94
742	Antidepressant-like effect of hyperoside isolated from Apocynum venetum leaves: possible cellular mechanisms. 2012 , 19, 145-9	57
741	Antidepressants are neuroprotective against nutrient deprivation stress in rat hippocampal neurons. 2012 , 36, 2573-87	12
740	Zinc and the ERK kinases in the developing brain. 2012 , 21, 128-41	62
739	Antidepressant-like properties of oral riluzole and utility of incentive disengagement models of depression in mice. 2012 , 219, 805-14	59
738	Behavioral and molecular evidence for psychotropic effects in L-theanine. 2012 , 219, 1099-109	41
737	Epigenetics of the depressed brain: role of histone acetylation and methylation. 2013 , 38, 124-37	261

736	Depression and treatment response: dynamic interplay of signaling pathways and altered neural processes. 2013 , 70, 39-53	58
735	The Role of Neurotrophins in Major Depressive Disorder. 2013 , 4, 46-58	74
734	Persistent effects of prior chronic exposure to corticosterone on reward-related learning and motivation in rodents. 2013 , 225, 569-77	40
733	Neurogenesis and Neural Plasticity. 2013 ,	5
732	Biological basis of suicide and suicidal behavior. 2013 , 15, 524-41	111
731	Behavioral Neurobiology of Depression and Its Treatment. 2013 ,	3
730	Effect of treadmill exercise on the BDNF-mediated pathway in the hippocampus of stressed rats. 2013 , 76, 187-94	90
729	Ethanol withdrawal-induced depressive symptoms in animals and therapeutic potential of sigma1 receptor ligands. 2013 , 65, 1681-7	8
728	Electroconvulsive stimulation alters levels of BDNF-associated microRNAs. 2013 , 549, 125-9	36
727	Effects of repeated 5-HT ₂ receptor stimulation on BDNF gene expression and cell survival. 2013 , 553, 211-5	4
726	GDNF facilitates differentiation of the adult dentate gyrus-derived neural precursor cells into astrocytes via STAT3. 2013 , 434, 779-84	23
725	Protective effects of aqueous extract from <i>Acanthopanax senticosus</i> against corticosterone-induced neurotoxicity in PC12 cells. 2013 , 148, 861-8	38
724	Nutritional strategies for dealing with depression. 2013 , 4, 1776-93	23
723	Type II pyrethroid deltamethrin produces antidepressant-like effects in mice. 2013 , 257, 182-8	15
722	Dynamic plasticity: the role of glucocorticoids, brain-derived neurotrophic factor and other trophic factors. 2013 , 239, 214-27	167
721	Assessing the effects of electroconvulsive therapy on cortical excitability by means of transcranial magnetic stimulation and electroencephalography. 2013 , 26, 326-37	54
720	Sex differences in stress reactivity of hippocampal BDNF in mice are associated with the female preponderance of decreased locomotor activity in response to restraint stress. 2013 , 30, 1019-24	21
719	Environmental and pharmacological modulations of cellular plasticity: role in the pathophysiology and treatment of depression. 2013 , 57, 28-37	67

718	Activation of mammalian target of rapamycin and synaptogenesis: role in the actions of rapid-acting antidepressants. 2013 , 73, 1189-98	86
717	Poly I:C-induced activation of the immune response is accompanied by depression and anxiety-like behaviours, kynurenine pathway activation and reduced BDNF expression. 2013 , 28, 170-81	134
716	A randomized trial of a low-trapping nonselective N-methyl-D-aspartate channel blocker in major depression. 2013 , 74, 257-64	178
715	No association of genetic variants in BDNF with major depression: a meta- and gene-based analysis. 2013 , 162B, 61-70	53
714	Gender-specific effects of fluoxetine on hippocampal glucocorticoid receptor phosphorylation and behavior in chronically stressed rats. 2013 , 70, 100-11	36
713	A benzodiazepine impairs the neurogenic and behavioural effects of fluoxetine in a rodent model of chronic stress. 2013 , 72, 20-8	15
712	Nociceptin/orphanin FQ receptor antagonists as innovative antidepressant drugs. 2013 , 140, 10-25	67
711	Altered brain-derived neurotrophic factor expression in the ventral tegmental area, but not in the hippocampus, is essential for antidepressant-like effects of electroconvulsive therapy. 2013 , 74, 305-12	36
710	Impact of early-life stress, on group III mGlu receptor levels in the rat hippocampus: effects of ketamine, electroconvulsive shock therapy and fluoxetine treatment. 2013 , 66, 236-41	33
709	O-methylated metabolite of 7,8-dihydroxyflavone activates TrkB receptor and displays antidepressant activity. 2013 , 91, 185-200	41
708	The neurobiology of depression and antidepressant action. 2013 , 37, 2331-71	315
707	What can fear and reward learning teach us about depression?. 2013 , 14, 223-42	3
706	An update on amine oxidase inhibitors: multifaceted drugs. 2013 , 44, 118-24	67
705	Kappa-opioid receptors mediate the antidepressant-like activity of hesperidin in the mouse forced swimming test. 2013 , 698, 286-91	44
704	Second messenger/signal transduction pathways in major mood disorders: moving from membrane to mechanism of action, part I: major depressive disorder. 2013 , 18, 231-41	31
703	Effects of psilocybin on hippocampal neurogenesis and extinction of trace fear conditioning. 2013 , 228, 481-91	108
702	Involvement of brain-derived neurotrophic factor in late-life depression. 2013 , 21, 433-49	50
701	Individual differences in novelty seeking predict subsequent vulnerability to social defeat through a differential epigenetic regulation of brain-derived neurotrophic factor expression. <i>Journal of Neuroscience</i> , 2013 , 33, 11048-60	6.6 75

700	BDNF overexpression in mouse hippocampal astrocytes promotes local neurogenesis and elicits anxiolytic-like activities. 2013 , 3, e253	142
699	BDNF-based synaptic repair as a disease-modifying strategy for neurodegenerative diseases. 2013 , 14, 401-16	461
698	Nobiletin Ameliorates the Deficits in Hippocampal BDNF, TrkB, and Synapsin I Induced by Chronic Unpredictable Mild Stress. 2013 , 2013, 359682	18
697	The diagnosis of depression: current and emerging methods. 2013 , 54, 1-6	37
696	The role of the GPR39 receptor in zinc deficient-animal model of depression. 2013 , 238, 30-5	48
695	Lithium augmentation of the effects of desipramine in a mouse model of treatment-resistant depression: a role for hippocampal cell proliferation. 2013 , 228, 36-46	21
694	Effects of inhaled (S)-linalool on hypothalamic gene expression in rats under restraint stress. 2013 , 77, 2413-8	6
693	Xiangshao Granule Exerts Antidepressive Effects in a Depression Mouse Model by Ameliorating Deficits in Hippocampal BDNF and TrkB. 2013 , 2013, 309262	7
692	Electroconvulsive seizure, but not imipramine, rapidly up-regulates pro-BDNF and t-PA, leading to mature BDNF production, in the rat hippocampus. 2013 , 16, 339-50	45
691	Enhanced antidepressant-like effects of electroacupuncture combined with citalopram in a rat model of depression. 2013 , 2013, 107380	18
690	Increases in two truncated TrkB isoforms in the prefrontal cortex of people with schizophrenia. 2013 , 39, 130-40	45
689	Effects of acute and chronic electroconvulsive shocks on glycogen synthase kinase 3 β level and phosphorylation in mice. 2013 , 29, 265-70	8
688	Plasma amyloid- β levels in drug-resistant bipolar depressed patients receiving electroconvulsive therapy. 2013 , 67, 185-91	11
687	Glycogen synthase kinase 3 substrates in mood disorders and schizophrenia. 2013 , 280, 5213-27	47
686	Antidepressant therapy in epilepsy: can treating the comorbidities affect the underlying disorder?. 2013 , 168, 1531-54	64
685	The role of 5-hydroxytryptamine receptor subtypes in the regulation of brain-derived neurotrophic factor gene expression. 2014 , 66, 53-61	3
684	Effects of antidepressant treatment on mice lacking brain-derived neurotrophic factor expression through promoter IV. 2013 , 37, 1863-74	17
683	Captodiamine, a putative antidepressant, enhances hypothalamic BDNF expression in vivo by synergistic 5-HT _{2c} receptor antagonism and sigma-1 receptor agonism. 2013 , 27, 930-9	13

682	The effects of congenital brain serotonin deficiency on responses to chronic fluoxetine. 2013 , 3, e291	35
681	RNAi-mediated serotonin transporter suppression rapidly increases serotonergic neurotransmission and hippocampal neurogenesis. 2013 , 3, e211	41
680	Novel agents in development for the treatment of depression. 2013 , 18 Suppl 1, 37-40; quiz 41	4
679	The mechanisms of electroconvulsive stimuli in BrdU-positive cells of the dentate gyrus in ACTH-treated rats. 2013 , 122, 34-41	14
678	Post-Traumatic Stress Disorder (PTSD). 2013 ,	
677	Antidepressant-like effects of the aqueous macerate of the bulb of <i>Gladiolus dalenii</i> Van Geel (Iridaceae) in a rat model of epilepsy-associated depression. 2013 , 13, 272	12
676	BDNF and CREB1 genetic variants interact to affect antidepressant treatment outcomes in geriatric depression. 2013 , 23, 301-13	44
675	High voltage electric potentials to enhance brain-derived neurotrophic factor levels in the brain. 2013 , 32, 129-38	2
674	BDNF and Synaptic Plasticity: The Recent Cell Biology for Understanding of Brain Disorders. 2013 , S1,	2
673	Decreased mRNA and Protein Expression of BDNF, NGF, and their Receptors in the Hippocampus from Suicide: An Analysis in Human Postmortem Brain. 2013 , 6, CPath.S12530	66
672	Association between BDNF gene polymorphisms and serotonergic activity using loudness dependence of auditory evoked potentials in healthy subjects. 2013 , 8, e60340	11
671	Possible associations of NTRK2 polymorphisms with antidepressant treatment outcome: findings from an extended tag SNP approach. 2013 , 8, e64947	16
670	The impact of Bdnf gene deficiency to the memory impairment and brain pathology of APPswe/PS1dE9 mouse model of Alzheimer's disease. 2013 , 8, e68722	42
669	Orchestrated regulation of Nogo receptors, LOTUS, AMPA receptors and BDNF in an ECT model suggests opening and closure of a window of synaptic plasticity. 2013 , 8, e78778	21
668	Neurobiology of major depressive disorder. 2013 , 2013, 873278	69
667	Accelerated aging in major depression: the role of nitro-oxidative stress. 2013 , 2013, 230797	26
666	Neural plasticity and proliferation in the generation of antidepressant effects: hippocampal implication. 2013 , 2013, 537265	63
665	Nicotine Blocks the Depressogenic Effects of Alcohol: Implications for Drinking-Smoking Co-Morbidity. 2013 , 2, 235709	17

664	Biological Markers and Genetic Factors of Major Depressive Disorder. 2013,	
663	Decreased plasma brain-derived neurotrophic factor and vascular endothelial growth factor concentrations during military training. 2014, 9, e89455	25
662	Mice with altered BDNF signaling as models for mood disorders and antidepressant effects. 2014, 8, 143	68
661	Distinctive behavioral and cellular responses to fluoxetine in the mouse model for Fragile X syndrome. 2014, 8, 150	25
660	BDNF–TrkB signaling as a therapeutic target in neuropsychiatric disorders. 2014, 61	1
659	Effects of exercise on anxiety and depression disorders: review of meta- analyses and neurobiological mechanisms. 2014, 13, 1002-14	208
658	Abnormalities in the zinc-metalloprotease-BDNF axis may contribute to megalencephaly and cortical hyperconnectivity in young autism spectrum disorder patients. 2014, 7, 64	25
657	Effects of brief pulse and ultrabrief pulse electroconvulsive stimulation on rodent brain and behaviour in the corticosterone model of depression. 2014, 17, 1477-86	13
656	Decreased BDNF and TrkB mRNA expression in multiple cortical areas of patients with schizophrenia and mood disorders. 2014, 4, e389	92
655	Understanding the role of adjunctive nonpharmacological therapies in management of the multiple pathways to depression. 2014, 220 Suppl 1, S34-44	6
654	Social interaction plays a critical role in neurogenesis and recovery after stroke. 2014, 4, e351	71
653	Molecular and genetic basis of depression. 2014, 93, 879-92	18
652	Pharmacogenetics of Antidepressant Drugs. 2014, 543-562	
651	Pre-treatment amygdala volume predicts electroconvulsive therapy response. 2014, 5, 169	22
650	Inherited behaviors, BDNF expression and response to treatment in a novel multifactorial rat model for depression. 2014, 17, 945-55	15
649	Fluoxetine treatment ameliorates depression induced by perinatal arsenic exposure via a neurogenic mechanism. 2014, 44, 98-109	20
648	Sertraline increases the survival of retinoic acid induced neuronal cells but not glial cells from human mesenchymal stem cells. 2014, 38, 901-9	3
647	Of mice and men: modelling post-stroke depression experimentally. 2014, 171, 4673-89	54

646	Repeated psychosocial stress at night, but not day, affects the central molecular clock. 2014 , 31, 996-1007	25
645	Differential expression of genes encoding neurotrophic factors and their receptors along the septal-temporal axis of the rat hippocampus. 2014 , 85, 986-93	8
644	Are there really "epileptogenic" mechanisms or only corruptions of "normal" plasticity?. 2014 , 813, 95-107	4
643	Neurotrophin 3 genotype and emotional adverse effects of osmotic-release oral system methylphenidate (OROS-MPH) in children with attention-deficit/hyperactivity disorder. 2014 , 28, 220-6	10
642	ECT: its brain enabling effects: a review of electroconvulsive therapy-induced structural brain plasticity. 2014 , 30, 143-51	89
641	Dose-remission of pulsating electromagnetic fields as augmentation in therapy-resistant depression: a randomized, double-blind controlled study. 2014 , 26, 272-9	15
640	Resistance to antidepressant drugs: the case for a more predisposition-based and less hippocampocentric research paradigm. 2014 , 25, 352-71	24
639	Leukocyte Gene Expression in Patients with Medication Refractory Depression before and after Treatment with ECT or Isoflurane Anesthesia: A Pilot Study. 2014 , 2014, 582380	10
638	Hippocampal neurogenesis and antidepressive therapy: shocking relations. 2014 , 2014, 723915	55
637	Exercise as an add-on strategy for the treatment of major depressive disorder: a systematic review. 2014 , 19, 496-508	62
636	Cloperastine rescues impairment of passive avoidance response in mice prenatally exposed to diethylstilbestrol. 2014 , 29, 216-25	4
635	Autoantibodies and depression: evidence for a causal link?. 2014 , 40, 62-79	32
634	Ketamine-induced antidepressant effects are associated with AMPA receptors-mediated upregulation of mTOR and BDNF in rat hippocampus and prefrontal cortex. 2014 , 29, 419-23	248
633	Serum brain-derived neurotrophic factor (BDNF) levels in attention deficit-hyperactivity disorder (ADHD). 2014 , 23, 173-7	31
632	Neurotrophin strategies for neuroprotection: are they sufficient?. 2014 , 9, 182-94	12
631	Neurotrophins and psychiatric disorders. 2014 , 220, 461-79	88
630	A review of longitudinal electroconvulsive therapy: neuroimaging investigations. 2014 , 27, 33-46	40
629	Neurotrophic Factors. 2014 ,	24

628	Neurotrophins: transcription and translation. 2014 , 220, 67-100	68
627	On the role of 5-HT(1A) receptor gene in behavioral effect of brain-derived neurotrophic factor. 2014 , 92, 1035-43	10
626	Stress, serotonin, and hippocampal neurogenesis in relation to depression and antidepressant effects. 2014 , 38, 173-92	378
625	Activation of signaling pathways downstream of the brain-derived neurotrophic factor receptor, TrkB, in the rat brain by vagal nerve stimulation and antidepressant drugs. 2014 , 17, 247-58	17
624	Antidepressants reduce neuroinflammatory responses and astroglial alpha-synuclein accumulation in a transgenic mouse model of multiple system atrophy. 2014 , 62, 317-37	49
623	Neurogenesis in neurological and psychiatric diseases and brain injury: from bench to bedside. 2014 , 115, 116-37	58
622	Environmental enrichment enhances autophagy signaling in the rat hippocampus. 2014 , 1592, 113-23	27
621	Cortical reorganization after spinal cord injury: always for good?. 2014 , 283, 78-94	75
620	Role of stress, depression, and aging in cognitive decline and Alzheimer's disease. 2014 , 18, 265-96	27
619	Sub-chronic agmatine treatment modulates hippocampal neuroplasticity and cell survival signaling pathways in mice. 2014 , 58, 137-46	28
618	Oroxylin A enhances memory consolidation through the brain-derived neurotrophic factor in mice. 2014 , 108, 67-73	16
617	Effects of ginsenoside Rb1 on the stress-induced changes of BDNF and HSP70 expression in rat hippocampus. 2014 , 38, 257-62	16
616	Depressive symptoms and cognitive performance in older adults. 2014 , 57, 149-56	71
615	Antidepressants that inhibit both serotonin and norepinephrine reuptake impair long-term potentiation in hippocampus. 2014 , 231, 4429-41	11
614	Hippocampal HDAC4 contributes to postnatal fluoxetine-evoked depression-like behavior. 2014 , 39, 2221-32	48
613	Environmental enrichment and brain repair: harnessing the therapeutic effects of cognitive stimulation and physical activity to enhance experience-dependent plasticity. 2014 , 40, 13-25	151
612	Epigenetic and epistatic interactions between serotonin transporter and brain-derived neurotrophic factor genetic polymorphism: insights in depression. 2014 , 275, 455-68	46
611	Antidepressant-like effects of Xiaochaihutang in a rat model of chronic unpredictable mild stress. 2014 , 152, 217-26	55

610	Electroconvulsive seizures enhance autophagy signaling in rat hippocampus. 2014 , 50, 37-43	26
609	Augmentation of response and remission to serial intravenous subanesthetic ketamine in treatment resistant depression. 2014 , 155, 123-9	138
608	Disruption of fetal hormonal programming (prenatal stress) implicates shared risk for sex differences in depression and cardiovascular disease. 2014 , 35, 140-58	54
607	Effects of electroconvulsive seizures on depression-related behavior, memory and neurochemical changes in Wistar and Wistar-Kyoto rats. 2014 , 54, 170-8	23
606	New insight in expression, transport, and secretion of brain-derived neurotrophic factor: Implications in brain-related diseases. 2014 , 5, 409-28	111
605	NCAM-deficient mice show prominent abnormalities in serotonergic and BDNF systems in brain - Restoration by chronic amitriptyline. 2015 , 25, 2394-403	7
604	Brain-Derived Neurotrophic Factor: Effects on Genetically and Epigenetically Determined Behavioral Disorders. 2015 , 45, 568-575	1
603	Modulation of the 20-Hz motor-cortex rhythm to passive movement and tactile stimulation. 2015 , 5, e00328	20
602	A novel 2-decenoic acid thioester ameliorates corticosterone-induced depression- and anxiety-like behaviors and normalizes reduced hippocampal signal transduction in treated mice. 2015 , 3, e00132	9
601	Antidepressant activity of fingolimod in mice. 2015 , 3, e00135	30
600	Chronic P-glycoprotein inhibition increases the brain concentration of escitalopram: potential implications for treating depression. 2015 , 3, e00190	5
599	[Basic Research on Neurotrophic Factors and Its Application to Medical Uses]. 2015 , 135, 1213-26	3
598	Neurobiologic Foundations of Mood Disorders. 2015 , 341-358	
597	p11 modulates calcium handling through 5-HT _{2B} pathway in rat ventricular cardiomyocytes. 2015 , 58, 549-57	7
596	Brain changes associated with thromboxane receptor antagonist SQ 29,548 treatment in a mouse model. 2015 , 93, 1279-92	3
595	Electroconvulsive seizures (ECS) do not prevent LPS-induced behavioral alterations and microglial activation. 2015 , 12, 232	11
594	NTRK2 expression levels are reduced in laser captured pyramidal neurons from the anterior cingulate cortex in males with autism spectrum disorder. 2015 , 6, 28	15
593	Fluvoxamine alleviates seizure activity and downregulates hippocampal GAP-43 expression in pentylenetetrazole-kindled mice: role of 5-HT ₃ receptors. 2015 , 26, 369-82	26

592	Long-term morphine addiction reduces neurogenesis and memory performance and alters emotional reactivity and anxiety levels in male rats. 2015 , 129	1
591	Neuropeptide Trefoil Factor 3 Reverses Depressive-Like Behaviors by Activation of BDNF-ERK-CREB Signaling in Olfactory Bulbectomized Rats. 2015 , 16, 28386-400	24
590	Detrimental role of prolonged sleep deprivation on adult neurogenesis. 2015 , 9, 140	20
589	A Review of Biomarkers in Mood and Psychotic Disorders: A Dissection of Clinical vs. Preclinical Correlates. 2015 , 13, 324-68	61
588	Phytochemicals that regulate neurodegenerative disease by targeting neurotrophins: a comprehensive review. 2015 , 2015, 814068	93
587	Different Mechanisms Between Melancholic and Atypical Depression. 2015 ,	3
586	Role of the 5-HT4 receptor in chronic fluoxetine treatment-induced neurogenic activity and granule cell dematuration in the dentate gyrus. 2015 , 8, 29	36
585	Biomarker approaches in major depressive disorder evaluated in the context of current hypotheses. 2015 , 9, 277-97	47
584	Genetic association of the transcription of neuroplasticity-related genes and variation in stress-coping style. 2015 , 5, e00360	12
583	Involvement of the monoamine system in antidepressant-like properties of 4-(1-phenyl-1h-pyrazol-4-ylmethyl)-piperazine-1-carboxylic acid ethyl ester. 2015 , 143, 187-93	9
582	Disruption of glucocorticoid receptors in the noradrenergic system leads to BDNF up-regulation and altered serotonergic transmission associated with a depressive-like phenotype in female GR(DBHCre) mice. 2015 , 137, 69-77	9
581	Neuroplasticity-dependent and -independent mechanisms of chronic deep brain stimulation in stressed rats. 2015 , 5, e674	31
580	Psychosocial Stress and Cardiovascular Disease in Women. 2015 ,	1
579	Serum brain-derived neurotrophic factor level predicts adverse clinical outcomes in patients with heart failure. 2015 , 21, 300-6	21
578	Tricyclic antidepressant treatment evokes regional changes in neurotrophic factors over time within the intact and degenerating nigrostriatal system. 2015 , 266, 11-21	17
577	GABAergic control of depression-related brain states. 2015 , 73, 97-144	79
576	Plant-derived flavanol (-)epicatechin mitigates anxiety in association with elevated hippocampal monoamine and BDNF levels, but does not influence pattern separation in mice. 2015 , 5, e493	50
575	New hypothesis and treatment targets of depression: an integrated view of key findings. 2015 , 31, 61-74	50

574	Chronic fluoxetine increases extra-hippocampal neurogenesis in adult mice. 2014 , 18,	21
573	The BDNF Val(66)Met polymorphism is associated with escitalopram response in depressed patients. 2015 , 232, 575-81	18
572	Amitriptyline improves motor function via enhanced neurotrophin signaling and mitochondrial functions in the murine N171-82Q Huntington disease model. 2015 , 290, 2728-43	16
571	BDNF serum levels and promoter methylation of BDNF exon I, IV and VI in depressed patients receiving electroconvulsive therapy. 2015 , 122, 925-8	44
570	Neurobiology of Early Life Stress in Women. 2015 , 161-178	1
569	Mechanisms linking depression co-morbid with obesity: An approach for serotonergic type 3 receptor antagonist as novel therapeutic intervention. 2015 , 17, 3-9	10
568	Effect of electroconvulsive therapy on gray matter volume in major depressive disorder. 2015 , 186, 186-91	53
567	Transcranial focused ultrasound as a possible treatment for major depression. 2015 , 84, 381-3	30
566	BDNF/TRKB/P75NTR polymorphisms and their consequences on antidepressant efficacy in depressed patients. 2015 , 16, 997-1013	33
565	Sigma receptors [Rs]: biology in normal and diseased states. 2016 , 36, 327-388	67
564	Pharmacogenetics in electroconvulsive therapy and adjunctive medications. 2015 , 16, 1015-31	1
563	SKF83959 produces antidepressant effects in a chronic social defeat stress model of depression through BDNF-TrkB pathway. 2014 , 18,	33
562	Rhythms and blues: modulation of oscillatory synchrony and the mechanism of action of antidepressant treatments. 2015 , 1344, 78-91	42
561	Hippocampal BDNF signaling restored with chronic asiaticoside treatment in depression-like mice. 2015 , 114, 62-9	22
560	A systematic review and meta-analysis of magnetic resonance imaging measurement of structural volumes in posttraumatic stress disorder. 2015 , 232, 1-33	225
559	An excitatory synapse hypothesis of depression. 2015 , 38, 279-94	156
558	Up-regulation of the GPR39 Zn ²⁺ -sensing receptor and CREB/BDNF/TrkB pathway after chronic but not acute antidepressant treatment in the frontal cortex of zinc-deficient mice. 2015 , 67, 1135-40	19
557	Effect of the Nicotinic $\alpha 4\beta 2$ -receptor Partial Agonist Varenicline on Non-invasive Brain Stimulation-Induced Neuroplasticity in the Human Motor Cortex. 2015 , 25, 3249-59	23

556	Brain-derived neurotrophic factor (BDNF) and its precursor (proBDNF) in genetically defined fear-induced aggression. 2015 , 290, 45-50	24
555	The hippocampus and TNF: Common links between chronic pain and depression. 2015 , 53, 139-59	114
554	Evaluation of TrkB and BDNF transcripts in prefrontal cortex, hippocampus, and striatum from subjects with schizophrenia, bipolar disorder, and major depressive disorder. 2015 , 77, 220-7	90
553	The BDNF gene Val66Met polymorphism as a modifier of psychiatric disorder susceptibility: progress and controversy. 2015 , 20, 916-30	173
552	Immune and neurotrophin stimulation by electroconvulsive therapy: is some inflammation needed after all?. 2015 , 5, e609	49
551	5-HT _{1A} receptors on mature dentate gyrus granule cells are critical for the antidepressant response. 2015 , 18, 1606-16	112
550	Repeated systemic administration of the nutraceutical alpha-linolenic acid exerts neuroprotective efficacy, an antidepressant effect and improves cognitive performance when given after soman exposure. 2015 , 51, 38-50	21
549	Neighborhood matters: divergent patterns of stress-induced plasticity across the brain. 2015 , 18, 1364-75	158
548	Control of Cell Survival in Adult Mammalian Neurogenesis. 2015 , 7,	20
547	The Impact of Chronic Early Administration of Psychostimulants on Brain Expression of BDNF and Other Neuroplasticity-Relevant Proteins. 2015 , 57, 231-42	17
546	Comparison of efficacy, safety and brain derived neurotrophic factor (BDNF) levels in patients of major depressive disorder, treated with fluoxetine and desvenlafaxine. 2015 , 18, 37-41	18
545	Neuroprotective effects of the monoamine oxidase inhibitor tranylcypromine and its amide derivatives against A β (1-42)-induced toxicity. 2015 , 764, 256-263	11
544	Botanicals for mood disorders with a focus on epilepsy. 2015 , 52, 319-28	3
543	The neurotrophin BDNF is involved in the development and prevention of stress-induced psychopathologies. 2015 , 9, 108-115	5
542	The antidepressant mechanism of action of vagus nerve stimulation: Evidence from preclinical studies. 2015 , 56, 26-34	49
541	Involvement of norepinephrine and serotonin system in antidepressant-like effects of hederagenin in the rat model of unpredictable chronic mild stress-induced depression. 2015 , 53, 368-77	20
540	Nimodipine activates TrkB neurotrophin receptors and induces neuroplastic and neuroprotective signaling events in the mouse hippocampus and prefrontal cortex. 2015 , 35, 189-96	20
539	Iron administration prevents BDNF decrease and depressive-like behavior following chronic stress. 2015 , 1596, 79-87	16

538	Psychophysiological correlates of cognitive deficits in family caregivers of patients with Alzheimer Disease. 2015 , 286, 371-82	36
537	Norepinephrine transporter knock-out alters expression of the genes connected with antidepressant drugs action. 2015 , 1594, 284-92	4
536	How does ketamine elicit a rapid antidepressant response?. 2015 , 20, 35-9	73
535	Integrating the monoamine, neurotrophin and cytokine hypotheses of depression--a central role for the serotonin transporter?. 2015 , 147, 1-11	99
534	Chronic amitriptyline treatment attenuates nigrostriatal degeneration and significantly alters trophic support in a rat model of parkinsonism. 2015 , 40, 874-83	19
533	Sex Differences in the Social Behavior Network and Mesolimbic Dopamine System. 2016 , 77-106	6
532	Modulations of Mammalian Brain Functions by Antidepressant Drugs: Role of Some Phytochemicals as Prospective Antidepressants. 2016 , 02,	1
531	A Brief Review on Epigenetic Aspects Involved in Depression. 2016 , 8,	1
530	Comorbidity Factors and Brain Mechanisms Linking Chronic Stress and Systemic Illness. 2016 , 2016, 5460732	39
529	Exposure to Early Life Stress Results in Epigenetic Changes in Neurotrophic Factor Gene Expression in a Parkinsonian Rat Model. 2016 , 2016, 6438783	16
528	Neuroprotective Role of Intermittent Hypobaric Hypoxia in Unpredictable Chronic Mild Stress Induced Depression in Rats. 2016 , 11, e0149309	32
527	Circuits Regulating Pleasure and Happiness-Mechanisms of Depression. 2016 , 10, 571	38
526	Regulation of Neurogenesis by Neurotrophins during Adulthood: Expected and Unexpected Roles. 2016 , 10, 26	120
525	Activin Signaling in the Pathogenesis and Therapy of Neuropsychiatric Diseases. 2016 , 9, 32	14
524	Neuroimaging of PTSD. 2016 , 291-318	5
523	Neurotransmitter, neurohormonal, and neuropeptid function in stress and PTSD. 2016 , 179-232	1
522	Association of brain-derived neurotrophic factor valine to methionine polymorphism with sexual dysfunction following selective serotonin reuptake inhibitor treatment in female patients with major depressive disorder. 2016 , 8, 260-268	
521	Effect of electroconvulsive seizures on cognitive flexibility. 2016 , 26, 899-910	10

520	Ginsenoside Rg1 reverses stress-induced depression-like behaviours and brain-derived neurotrophic factor expression within the prefrontal cortex. 2016 , 44, 1878-85	28
519	Chapter 11 Deep Brain Stimulation for Treatment-Resistant Depression. 2016 , 197-214	
518	Mice with Sort1 deficiency display normal cognition but elevated anxiety-like behavior. 2016 , 281, 99-108	19
517	The HDAC inhibitor SAHA improves depressive-like behavior of CRTCL1-deficient mice: Possible relevance for treatment-resistant depression. 2016 , 107, 111-121	54
516	Serum BDNF levels before and after the development of mood disorders: a case-control study in a population cohort. 2016 , 6, e782	23
515	Kaempferia parviflora extract ameliorates the cognitive impairments and the reduction in cell proliferation induced by valproic acid treatment in rats. 2016 , 206, 7-13	30
514	Electrical stimulation of the vmPFC serves as a remote control to affect VTA activity and improve depressive-like behavior. 2016 , 283, 255-63	17
513	Effects of novel small compounds targeting TrkB on neuronal cell survival and depression-like behavior. 2016 , 97, 42-8	12
512	Increased expression of endocytosis-Related proteins in rat hippocampus following 10-day electroconvulsive seizure treatment. 2016 , 624, 85-91	6
511	The absence of 5-HT receptors modulates depression- and anxiety-like responses and influences the response of fluoxetine in olfactory bulbectomised mice: Adaptive changes in hippocampal neuroplasticity markers and 5-HT autoreceptor. 2016 , 111, 47-58	37
510	BDNF isoforms: a round trip ticket between neurogenesis and serotonin?. 2016 , 138, 204-21	93
509	Social Inequalities and the Road to Allostatic Load: From Vulnerability to Resilience. 2016 , 1-54	12
508	Subchronic administration of ascorbic acid elicits antidepressant-like effect and modulates cell survival signaling pathways in mice. 2016 , 38, 50-56	16
507	Posttraumatic stress disorder: from neurobiology to clinical presentation. 2016 , 1-26	4
506	S-Ketamine Rapidly Reverses Synaptic and Vascular Deficits of Hippocampus in Genetic Animal Model of Depression. 2017 , 20, 247-256	19
505	Traumatic Stress From a Multilevel Developmental Psychopathology Perspective. 2016 , 1-39	2
504	Lrig1 is a cell-intrinsic modulator of hippocampal dendrite complexity and BDNF signaling. 2016 , 17, 601-16	29
503	ProBDNF Signaling Regulates Depression-Like Behaviors in Rodents under Chronic Stress. 2016 , 41, 2882-2892	66

502	Dual mechanisms of rapid expression of anxiety-related behavior in pilocarpine-treated epileptic mice. 2016 , 123, 55-67	14
501	BDNF Val66Met polymorphism and bipolar disorder in European populations: A risk association in case-control, family-based and GWAS studies. 2016 , 68, 218-233	49
500	Serotonin 1A and Serotonin 4 Receptors: Essential Mediators of the Neurogenic and Behavioral Actions of Antidepressants. 2016 , 22, 26-45	57
499	Structural Plasticity of the Hippocampus and Amygdala Induced by Electroconvulsive Therapy in Major Depression. 2016 , 79, 282-92	183
498	Pathogenesis of depression: Insights from human and rodent studies. 2016 , 321, 138-162	238
497	Mice lacking the serotonin 5-HT2B receptor as an animal model of resistance to selective serotonin reuptake inhibitors antidepressants. 2016 , 26, 265-279	28
496	BDNF in sleep, insomnia, and sleep deprivation. 2016 , 48, 42-51	107
495	Venlafaxine treatment after endothelin-1-induced cortical stroke modulates growth factor expression and reduces tissue damage in rats. 2016 , 107, 131-145	13
494	Beneficial effect of antidepressants against rotenone induced Parkinsonism like symptoms in rats. 2016 , 23, 123-34	32
493	The effects of ginsenoside Rg1 on chronic stress induced depression-like behaviors, BDNF expression and the phosphorylation of PKA and CREB in rats. 2016 , 322, 358-69	72
492	Epigenetic regulation of BDNF in the learned helplessness-induced animal model of depression. 2016 , 76, 101-10	29
491	Early life stress increases stress vulnerability through BDNF gene epigenetic changes in the rat hippocampus. 2016 , 105, 388-397	58
490	Remission of depression following electroconvulsive therapy (ECT) is associated with higher levels of brain-derived neurotrophic factor (BDNF). 2016 , 121, 263-9	18
489	Signaling pathways regulating Homer1a expression: implications for antidepressant therapy. 2016 , 397, 207-14	28
488	Western diet-induced anxiolytic effects in mice are associated with alterations in tryptophan metabolism. 2016 , 19, 337-345	10
487	The fatty acid amide hydrolase inhibitor URB597 modulates serotonin-dependent emotional behaviour, and serotonin1A and serotonin2A/C activity in the hippocampus. 2016 , 26, 578-90	21
486	The modulation of BDNF expression and signalling dissects the antidepressant from the reinforcing properties of ketamine: Effects of single infusion vs. chronic self-administration in rats. 2016 , 104, 22-30	24
485	NRSF and BDNF polymorphisms as biomarkers of cognitive dysfunction in adults with newly diagnosed epilepsy. 2016 , 54, 117-27	14

484	Prelimbic Stimulation Ameliorates Depressive-Like Behaviors and Increases Regional BDNF Expression in a Novel Drug-Resistant Animal Model of Depression. 2016 , 9, 243-50	20
483	Effects of ketamine administration on the phosphorylation levels of CREB and TrkB and on oxidative damage after infusion of MEK inhibitor. 2016 , 68, 177-84	14
482	BDNF - a key transducer of antidepressant effects. 2016 , 102, 72-9	460
481	Prenatal and Early Postnatal Exposure to Cigarette Smoke Decreases BDNF/TrkB Signaling and Increases Abnormal Behaviors Later in Life. 2016 , 19,	17
480	A pilot in vivo proton magnetic resonance spectroscopy study of amino acid neurotransmitter response to ketamine treatment of major depressive disorder. 2016 , 21, 320-7	89
479	Increased brain-derived neurotrophic factor (BDNF) protein concentrations in mice lacking brain serotonin. 2016 , 266, 281-4	20
478	Antidepressant drug action--From rapid changes on network function to network rewiring. 2016 , 64, 285-92	31
477	Kdm6b and Pmepa1 as Targets of Bioelectrically and Behaviorally Induced Activin A Signaling. 2016 , 53, 4210-4225	12
476	Consequences of brain-derived neurotrophic factor withdrawal in CNS neurons and implications in disease. 2017 , 97, 73-79	43
475	Is the Val66Met polymorphism of the brain-derived neurotrophic factor gene associated with panic disorder? A meta-analysis. 2017 , 9, e12228	8
474	The role of melatonin, neurokinin, neurotrophic tyrosine kinase and glucocorticoid receptors in antidepressant-like effect. 2017 , 69, 546-554	15
473	Repeated co-treatment with antidepressants and risperidone increases BDNF mRNA and protein levels in rats. 2017 , 69, 885-893	8
472	Rapid Acting Antidepressants in Chronic Stress Models: Molecular and Cellular Mechanisms. 2017 , 1,	41
471	New directions in the rational design of electrical and magnetic seizure therapies: individualized Low Amplitude Seizure Therapy (iLAST) and Magnetic Seizure Therapy (MST). 2017 , 29, 63-78	7
470	Neuronal plasticity and neurotrophic factors in drug responses. 2017 , 22, 1085-1095	109
469	The neuroprotective effect of focused ultrasound: New perspectives on an old tool. 2017 , 131, 199-206	7
468	Comparing sprint and endurance training on anxiety, depression and its relation with brain-derived neurotrophic factor in rats. 2017 , 329, 1-5	12
467	Effects of [Nphe, Arg, Lys] N/OFQ-NH (UFP-101), a potent NOP receptor antagonist, on molecular, cellular and behavioural alterations associated with chronic mild stress. 2017 , 31, 691-703	20

466	Administration of Huperzine A exerts antidepressant-like activity in a rat model of post-stroke depression. 2017 , 158, 32-38	14
465	Activation of Brain Indoleamine-2,3-dioxygenase Contributes to Depressive-Like Behavior Induced by an Intracerebroventricular Injection of Streptozotocin in Mice. 2017 , 42, 2982-2995	13
464	Vagal Nerve Stimulation for Treatment-Resistant Depression. 2017 , 14, 716-727	96
463	Resolving the contributions of anaesthesia, surgery, and nerve injury on brain derived neurotrophic factor expression in the medial prefrontal cortex of male rats in the CCI model of neuropathic pain. 2017 , 95, 2376-2390	5
462	Neuroprotective Effect of Modified Electroconvulsive Therapy for Schizophrenia: A Proton Magnetic Resonance Spectroscopy Study. 2017 , 205, 480-486	13
461	DL-3-n-butylphthalide induced neuroprotection, regenerative repair, functional recovery and psychological benefits following traumatic brain injury in mice. 2017 , 111, 82-92	37
460	Serotonin and neuroplasticity - Links between molecular, functional and structural pathophysiology in depression. 2017 , 77, 317-326	181
459	Hippocampal BDNF in physiological conditions and social isolation. 2017 , 28, 675-692	43
458	Comparison of Different Doses of Escitalopram in the Prophylaxis of Dementia in Patients with Depression and Moderate Cognitive Dysfunction in Chronic Cerebral Ischemia. 2017 , 47, 296-302	
457	Blockade of TrkB receptors in the nucleus accumbens prior to heterotypic stress alters corticotropin-releasing hormone (CRH), vesicular glutamate transporter 2 (vGlut2) and glucocorticoid receptor (GR) within the mesolimbic pathway. 2017 , 90, 98-112	13
456	Identifying fast-onset antidepressants using rodent models. 2017 , 22, 656-665	99
455	High frequency stimulation of the infralimbic cortex induces morphological changes in rat hippocampal neurons. 2017 , 10, 315-323	7
454	Tau Protein. 2017 ,	1
453	Anxiolytic effects of muscarinic acetylcholine receptors agonist oxotremorine in chronically stressed rats and related changes in BDNF and FGF2 levels in the hippocampus and prefrontal cortex. 2017 , 234, 559-573	27
452	Sertraline and venlafaxine improves motor performance and neurobehavioral deficit in quinolinic acid induced Huntington's like symptoms in rats: Possible neurotransmitters modulation. 2017 , 69, 306-313	14
451	Regulation of Neurotrophic Factors During Pathogenic Tau-Aggregation: A Detailed Protocol for Double-Labeling mRNA by In Situ Hybridization and Protein Epitopes by Immunohistochemistry. 2017 , 1523, 391-414	
450	Expression of BDNF and trkB in the hippocampus of a rat genetic model of vulnerability (Roman low-avoidance) and resistance (Roman high-avoidance) to stress-induced depression. 2017 , 7, e00861	25
449	Activated brain-derived neurotrophic factor/TrkB signaling in rat dorsal and ventral hippocampi following 10-day electroconvulsive seizure treatment. 2017 , 660, 45-50	10

448	Drug repurposing may generate novel approaches to treating depression. 2017 , 69, 1428-1436	18
447	Promoter IV-BDNF deficiency disturbs cholinergic gene expression of CHRNA5, CHRM2, and CHRM5: effects of drug and environmental treatments. 2017 , 143, 49-64	8
446	Brain-derived neurotrophic factor (BDNF) and neurotrophin 3 (NT3) levels in post-mortem brain tissue from patients with depression compared to healthy individuals'-a proof of concept study. 2017 , 46, 65-71	34
445	Nortriptyline inhibits aggregation and neurotoxicity of alpha-synuclein by enhancing reconfiguration of the monomeric form. 2017 , 106, 191-204	22
444	BDNF at the synapse: why location matters. 2017 , 22, 1370-1375	90
443	The β 2C-adrenoceptor antagonist, ORM-10921, exerts antidepressant-like effects in the Flinders Sensitive Line rat. 2017 , 28, 9-18	11
442	Adult hippocampal neurogenesis: Is it the alpha and omega of antidepressant action?. 2017 , 141, 86-99	37
441	The role of 5-HT receptors in depression. 2017 , 10, 28	185
440	Natural and synthetic bioactive inhibitors of glycogen synthase kinase. 2017 , 125, 464-477	49
439	The chronic mild stress (CMS) model of depression: History, evaluation and usage. 2017 , 6, 78-93	394
438	Differential expression of cytoskeletal regulatory factors in the adolescent prefrontal cortex: Implications for cortical development. 2017 , 95, 1123-1143	43
437	Hippocampal bone morphogenetic protein signaling mediates behavioral effects of antidepressant treatment. 2017 , 22, 910-919	31
436	Brain-derived neurotrophic factor in mood disorders and antidepressant treatments. 2017 , 97, 119-126	187
435	TrkB Signaling in Dorsal Raphe Nucleus is Essential for Antidepressant Efficacy and Normal Aggression Behavior. 2017 , 42, 886-894	27
434	Effects of Implantation of Cryopreserved Placental Explants on the Behavioral Indices and Morphological Characteristics of the Cerebral Structures in Senescent Mice. 2017 , 49, 363-371	1
433	S 47445 Produces Antidepressant- and Anxiolytic-Like Effects through Neurogenesis Dependent and Independent Mechanisms. 2017 , 8, 462	28
432	Therapeutic Potential of Selectively Targeting the β -Adrenoceptor in Cognition, Depression, and Schizophrenia-New Developments and Future Perspective. 2017 , 8, 144	34
431	Therapeutic Effect of Astroglia-like Mesenchymal Stem Cells Expressing Glutamate Transporter in a Genetic Rat Model of Depression. 2017 , 7, 2690-2703	24

430	Novel rapid-acting antidepressants: molecular and cellular signaling mechanisms. 2017 , 1,	5
429	3,5,6,7,8,3',4'-Heptamethoxyflavone Ameliorates Depressive-Like Behavior and Hippocampal Neurochemical Changes in Chronic Unpredictable Mild Stressed Mice by Regulating the Brain-Derived Neurotrophic Factor: Requirement for ERK Activation. 2017 , 18,	24
428	Integral Characterization of Defective BDNF/TrkB Signalling in Neurological and Psychiatric Disorders Leads the Way to New Therapies. 2017 , 18,	58
427	Reward Network Immediate Early Gene Expression in Mood Disorders. 2017 , 11, 77	20
426	Involvement of Normalized Glial Fibrillary Acidic Protein Expression in the Hippocampi in Antidepressant-Like Effects of Xiaoyaosan on Chronically Stressed Mice. 2017 , 2017, 1960584	17
425	Neural Plasticity Is Involved in Physiological Sleep, Depressive Sleep Disturbances, and Antidepressant Treatments. 2017 , 2017, 5870735	8
424	Exploring Serum Levels of Brain Derived Neurotrophic Factor and Nerve Growth Factor Across Glaucoma Stages. 2017 , 12, e0168565	36
423	Meta-analyses of comparative efficacy of antidepressant medications on peripheral BDNF concentration in patients with depression. 2017 , 12, e0172270	85
422	Mouse repeated electroconvulsive seizure (ECS) does not reverse social stress effects but does induce behavioral and hippocampal changes relevant to electroconvulsive therapy (ECT) side-effects in the treatment of depression. 2017 , 12, e0184603	12
421	Animal models for bipolar disorder: from bedside to the cage. 2017 , 5, 35	33
420	Effect of Fluoxetine on the Hippocampus of Wistar Albino Rats in Cold Restraint Stress Model. 2017 , 11, AF01-AF06	4
419	Effects of tianeptine on symptoms of fibromyalgia via BDNF signaling in a fibromyalgia animal model. 2017 , 21, 361-370	10
418	Need for medication to complement catecholamines in smoking cessation of hardcore smokers. 2017 , 13, 2419-2424	2
417	Antidepressants, sertraline and paroxetine, increase calcium influx and induce mitochondrial damage-mediated apoptosis of astrocytes. 2017 , 8, 115490-115502	19
416	Repeated treatment with nitric oxide synthase inhibitor attenuates learned helplessness development in rats and increases hippocampal BDNF expression. 2018 , 30, 127-136	7
415	Convergent Mechanisms Underlying Rapid Antidepressant Action. 2018 , 32, 197-227	92
414	Antidepressant action of BDNF requires and is mimicked by Gβi1/3 expression in the hippocampus. 2018 , 115, E3549-E3558	24
413	Juvenile cerebral ischemia reveals age-dependent BDNF-TrkB signaling changes: Novel mechanism of recovery and therapeutic intervention. 2018 , 38, 2223-2235	9

412	Beyond good and evil: A putative continuum-sorting hypothesis for the functional role of proBDNF/BDNF-propeptide/mBDNF in antidepressant treatment. 2018 , 90, 70-83	29
411	Electroconvulsive seizures influence dendritic spine morphology and BDNF expression in a neuroendocrine model of depression. 2018 , 11, 856-859	10
410	Association of BDNF Val66Met Polymorphism and Brain BDNF Levels with Major Depression and Suicide. 2018 , 21, 528-538	94
409	Disruption of lipid-raft localized Gβ ₁ /tubulin complexes by antidepressants: a unique feature of HDAC6 inhibitors, SSRI and tricyclic compounds. 2018 , 43, 1481-1491	20
408	Brain-Derived Neurotrophic Factor Prevents Depressive-Like Behaviors in Early-Symptomatic YAC128 Huntington's Disease Mice. 2018 , 55, 7201-7215	8
407	Targeting BDNF modulation by plant glycosides as a novel therapeutic strategy in the treatment of depression. 2018 , 196, 18-27	18
406	5-HT _{2A} Receptors and BDNF Regulation: Implications for Psychopathology. 2018 , 395-438	4
405	Effectiveness of memantine on depression-like behavior, memory deficits and brain mRNA levels of BDNF and TrkB in rats subjected to repeated unpredictable stress. 2018 , 70, 600-606	17
404	Hippocampal PPAR α is a novel therapeutic target for depression and mediates the antidepressant actions of fluoxetine in mice. 2018 , 175, 2968-2987	39
403	High altitude with monotonous environment has significant impact on mood and cognitive performance of acclimatized lowlanders: Possible role of altered serum BDNF and plasma homocysteine level. 2018 , 237, 94-103	6
402	BDNF signaling: Harnessing stress to battle mood disorder. 2018 , 115, 3742-3744	13
401	Effects on brain-derived neurotrophic factor signalling of chronic mild stress, chronic risperidone and acute intracranial dopamine receptor challenges. 2018 , 29, 537-542	1
400	Translational profiling of stress-induced neuroplasticity in the CA3 pyramidal neurons of BDNF Val66Met mice. 2018 , 23, 904-913	28
399	Neuroprotective Effects of Antidepressants via Upregulation of Neurotrophic Factors in the MPTP Model of Parkinson's Disease. 2018 , 55, 554-566	20
398	PRoneurotrophins and CONsequences. 2018 , 55, 2934-2951	25
397	Identification of a novel, fast-acting GABAergic antidepressant. 2018 , 23, 384-391	23
396	A longitudinal study of neurotrophic, oxidative, and inflammatory markers in first-onset depression in midlife women. 2018 , 268, 771-781	25
395	Serum brain-derived neurotrophic factor (BDNF) in sleep-disordered patients: relation to sleep stage N3 and rapid eye movement (REM) sleep across diagnostic entities. 2018 , 27, 73-77	22

394	The antidepressant-like activity of ellagic acid and its effect on hippocampal brain derived neurotrophic factor levels in mouse depression models. 2018 , 32, 2932-2935	9
393	Neural basis of major depressive disorder: Beyond monoamine hypothesis. 2018 , 72, 3-12	144
392	Sodium butyrate abolishes lipopolysaccharide-induced depression-like behaviors and hippocampal microglial activation in mice. 2018 , 1680, 13-38	81
391	Cytokine alterations in panic disorder: A systematic review. 2018 , 228, 91-96	40
390	Brain-derived neurotrophic factor in adjuvant-induced arthritis in rats. Relationship with inflammation and endothelial dysfunction. 2018 , 82, 249-254	10
389	Progress and promise for the MDMA drug development program. 2018 , 235, 561-571	46
388	VGF function in depression and antidepressant efficacy. 2018 , 23, 1632-1642	51
387	Stress, Trauma and Synaptic Plasticity. 2018 ,	2
386	Grey Matter Changes in the Brain Following Stress and Trauma. 2018 , 1-28	
385	Effect of Acute Stress on the Expression of BDNF, trkB, and PSA-NCAM in the Hippocampus of the Roman Rats: A Genetic Model of Vulnerability/Resistance to Stress-Induced Depression. 2018 , 19,	16
384	Epigenetic dysregulation of Oxtr in Tet1-deficient mice has implications for neuropsychiatric disorders. 2018 , 3,	13
383	Actions of Brain-Derived Neurotrophin Factor in the Neurogenesis and Neuronal Function, and Its Involvement in the Pathophysiology of Brain Diseases. 2018 , 19,	124
382	Epilepsy-Specific Citation Classics Revisited. 2018 , 18, 72-83	2
381	Pharmacological Manipulation of Critical Period Plasticity. 2018 ,	2
380	Anxiolytic- and Antidepressant-Like Effects of Fish Oil-Enriched Diet in Brain-Derived Neurotrophic Factor Deficient Mice. 2018 , 12, 974	11
379	The Neuroprotective Effects of Exercise: Maintaining a Healthy Brain Throughout Aging. 2018 , 4, 17-52	56
378	Chronic antidepressant-like effect of EMD386088, a partial 5-HT receptor agonist, in olfactory bulbectomy model may be connected with BDNF and/or CREB signalling pathway. 2018 , 70, 1047-1056	4
377	Brain-derived neurotrophic factor and epilepsy: a systematic review. 2018 , 72, 23-29	55

376	Molecular Imaging in Huntington's Disease. 2018 , 142, 289-333	4
375	Selective Depletion of CREB in Serotonergic Neurons Affects the Upregulation of Brain-Derived Neurotrophic Factor Evoked by Chronic Fluoxetine Treatment. 2018 , 12, 637	8
374	Inwardly Rectifying Potassium Channel Kir4.1 as a Novel Modulator of BDNF Expression in Astrocytes. 2018 , 19,	30
373	Exercise-induced brain-derived neurotrophic factor expression: Therapeutic implications for Alzheimer's dementia. 2018 , 48, 109-121	60
372	Social defeat stress before pregnancy induces depressive-like behaviours and cognitive deficits in adult male offspring: correlation with neurobiological changes. 2018 , 19, 61	14
371	Epigenetic Inheritance: Concepts, Mechanisms and Perspectives. 2018 , 11, 292	62
370	Co-Administration of Progesterone and Melatonin Attenuates Ischemia-Induced Hippocampal Damage in Rats. 2018 , 66, 251-260	9
369	The effect of exercise on resting concentrations of peripheral brain-derived neurotrophic factor (BDNF) in major depressive disorder: A meta-analysis. 2018 , 105, 123-131	20
368	Neurobiology of Suicide. 2018 , 3-21	1
367	BDNF plasma levels and genotype in depression and the response to electroconvulsive therapy. 2018 , 11, 1123-1131	25
366	The neurobiology of depression, ketamine and rapid-acting antidepressants: Is it glutamate inhibition or activation?. 2018 , 190, 148-158	103
365	iPlasticity: Induced juvenile-like plasticity in the adult brain as a mechanism of antidepressants. 2018 , 72, 633-653	30
364	Hippocampal mammalian target of rapamycin is implicated in stress-coping behavior induced by cannabidiol in the forced swim test. 2018 , 32, 922-931	12
363	The roles of valerenic acid on BDNF expression in the SH-SY5Y cell. 2018 , 26, 960-964	11
362	Neurotrophic factors and neuroplasticity pathways in the pathophysiology and treatment of depression. 2018 , 235, 2195-2220	104
361	Effects of vortioxetine and fluoxetine on the level of Brain Derived Neurotrophic Factors (BDNF) in the hippocampus of chronic unpredictable mild stress-induced depressive rats. 2018 , 142, 1-7	52
360	The Mechanism of Action of Vagus Nerve Stimulation in Treatment-Resistant Depression: Current Conceptualizations. 2018 , 41, 395-407	22
359	Effects of Monoamines and Antidepressants on Astrocyte Physiology: Implications for Monoamine Hypothesis of Depression. 2018 , 12, 1179069518789149	29

358	Subchronic administration of creatine produces antidepressant-like effect by modulating hippocampal signaling pathway mediated by FNDC5/BDNF/Akt in mice. 2018 , 104, 78-87	7
357	Brain serotonin critically contributes to the biological effects of electroconvulsive seizures. 2018 , 268, 861-864	4
356	Gene-based analysis of genes related to neurotrophic pathway suggests association of BDNF and VEGFA with antidepressant treatment-response in depressed patients. 2018 , 8, 6983	14
355	Ginsenoside Rg1 Prevents Chronic Stress-Induced Depression-Like Behaviors and Neuronal Structural Plasticity in Rats. 2018 , 48, 2470-2482	36
354	Volume of the Human Hippocampus and Clinical Response Following Electroconvulsive Therapy. 2018 , 84, 574-581	91
353	Biological and Behavioral Patterns of Post-Stroke Depression in Rats. 2018 , 45, 451-461	16
352	Anti-Depressant Fluoxetine Reveals its Therapeutic Effect Via Astrocytes. 2018 , 32, 72-83	53
351	Pathologic role of nitrenergic neurotransmission in mood disorders. 2019 , 173, 54-87	18
350	NMDAR-independent, cAMP-dependent antidepressant actions of ketamine. 2019 , 24, 1833-1843	74
349	Absence of Stress Response in Dorsal Raphe Nucleus in Modulator of Apoptosis 1-Deficient Mice. 2019 , 56, 2185-2201	2
348	Decoding the transcriptional programs activated by psychotropic drugs in the brain. 2019 , 18, e12511	5
347	Selective Knockdown of TASK3 Potassium Channel in Monoamine Neurons: a New Therapeutic Approach for Depression. 2019 , 56, 3038-3052	7
346	Sex differences in major depression and comorbidity of cardiometabolic disorders: impact of prenatal stress and immune exposures. 2019 , 44, 59-70	43
345	Oxytocin and Stress: Neural Mechanisms, Stress-Related Disorders, and Therapeutic Approaches. 2019 , 417, 1-10	33
344	Escalated Oxycodone Self-Administration Causes Differential Striatal mRNA Expression of FGFs and IEGs Following Abstinence-Associated Incubation of Oxycodone Craving. 2019 , 415, 173-183	19
343	Fluoxetine-induced plasticity in the visual cortex outlasts the duration of the naturally occurring critical period. 2019 , 50, 3663-3673	9
342	Assessment of genes involved in behavior, learning, memory, and synaptic plasticity following status epilepticus in rats. 2019 , 98, 101-109	3
341	Effects of Vitamin D in Long-Term Ovariectomized Rats Subjected to Chronic Unpredictable Mild Stress: BDNF, NT-3, and NT-4 Implications. 2019 , 11,	14

340	Ketamine-induced regulation of TrkB-GSK3 β signaling is accompanied by slow EEG oscillations and sedation but is independent of hydroxynorketamine metabolites. 2019 , 157, 107684	12
339	Pharmacological Treatment of Depression in Alzheimer's Disease: A Challenging Task. 2019 , 10, 1067	24
338	Xiaoyao Pills Prevent Lipopolysaccharide-Induced Depression by Inhibiting Inflammation and Protecting Nerves. 2019 , 10, 1324	8
337	Role of nociceptin/orphanin FQ and nociceptin opioid peptide receptor in depression and antidepressant effects of nociceptin opioid peptide receptor antagonists. 2019 , 23, 427-448	5
336	The effects of eicosapentaenoic acid dietary supplementation on behavioral parameters and expression of hippocampal brain-derived neurotrophic factor in an animal model of post-traumatic stress disorder. 2019 , 865, 172751	4
335	Antidepressant-like effect induced by P2X7 receptor blockade in FSL rats is associated with BDNF signalling activation. 2019 , 33, 1436-1446	10
334	Predictors of response to electroconvulsive therapy: A new role for tissue-type plasminogen activator and plasminogen activator inhibitor 1. 2019 , 29, S387-S388	0
333	Neuronal and behavioral plasticity: the role of serotonin and BDNF systems tandem. 2019 , 23, 227-239	20
332	Influence of Tacrolimus on Depressive-Like Behavior in Diabetic Rats Through Brain-Derived Neurotrophic Factor Regulation in the Hippocampus. 2019 , 36, 396-410	3
331	The role of NMDA receptor in neurobiology and treatment of major depressive disorder: Evidence from translational research. 2019 , 94, 109668	29
330	The influence of CaMKII and ERK phosphorylation on BDNF changes observed in mice selectively devoid of CREB in serotonergic or noradrenergic neurons. 2019 , 71, 753-761	4
329	BDNF pro-peptide: physiological mechanisms and implications for depression. 2019 , 377, 73-79	14
328	Monoaminergic system is implicated in the antidepressant-like effect of hyperoside and protocatechuic acid isolated from <i>Impatiens glandulifera</i> Royle in mice. 2019 , 128, 206-214	15
327	The Chinese Herbal Formula PAPZ Ameliorates Behavioral Abnormalities in Depressive Mice. 2019 , 11,	7
326	Activation of the TRKB receptor mediates the panicolytic-like effect of the NOS inhibitor aminoguanidine. 2019 , 93, 232-239	3
325	Rodent models of social stress and neuronal plasticity: Relevance to depressive-like disorders. 2019 , 369, 111900	30
324	Current understanding of bipolar disorder: Toward integration of biological basis and treatment strategies. 2019 , 73, 526-540	42
323	Neurobiology of rapid-acting antidepressants: convergent effects on GluA1-synaptic function. 2019 , 24, 1816-1832	67

322	Cerebrospinal fluid BDNF pro-peptide levels in major depressive disorder and schizophrenia. 2019 , 113, 190-198	21
321	Association between the novel seizure quality index for the outcome prediction in electroconvulsive therapy and brain-derived neurotrophic factor serum levels. 2019 , 704, 164-168	4
320	Strategies to Treat Chronic Pain and Strengthen Impaired Descending Noradrenergic Inhibitory System. 2019 , 20,	26
319	The Neurotrophic Hypothesis of Depression Revisited: New Insights and Therapeutic Implications. 2019 , 43-62	7
318	Molecular aspects of depression: A review from neurobiology to treatment. 2019 , 851, 99-121	42
317	The Knockdown of TREK-1 in Hippocampal Neurons Attenuate Lipopolysaccharide-Induced Depressive-Like Behavior in Mice. 2019 , 20,	9
316	Search for factors contributing to resistance to the electroconvulsive seizure treatment model using adrenocorticotrophic hormone-treated mice. 2019 , 186, 172767	3
315	Gene knockout animal models of depression, anxiety and obsessive compulsive disorders. 2019 , 29, 191-199	8
314	Brain-derived neurotrophic factor signaling mitigates the impact of acute social stress. 2019 , 148, 40-49	6
313	HOMA-IR increase after antidepressant treatment in depressed patients with the Met allele of the Val66Met BDNF genetic polymorphism. 2019 , 49, 2364-2369	0
312	Pharmacological Interventions to Enhance Stroke Recovery. 2019 , 185-197	
311	Neurotrophic and Antidepressant Actions of Brain-Derived Neurotrophic Factor Require Vascular Endothelial Growth Factor. 2019 , 86, 143-152	44
310	Variations in Hippocampal White Matter Diffusivity Differentiate Response to Electroconvulsive Therapy in Major Depression. 2019 , 4, 300-309	11
309	Chronic histamine 3 receptor antagonism alleviates depression like conditions in mice via modulation of brain-derived neurotrophic factor and hypothalamus-pituitary adrenal axis. 2019 , 101, 128-137	8
308	Dose-dependent effects of isoflurane on TrkB and GSK3 β signaling: Importance of burst suppression pattern. 2019 , 694, 29-33	7
307	Role of Neuronal VEGF Signaling in the Prefrontal Cortex in the Rapid Antidepressant Effects of Ketamine. 2019 , 176, 388-400	40
306	TrkB neurotrophin receptor at the core of antidepressant effects, but how?. 2019 , 377, 115-124	10
305	Medial Forebrain Bundle Deep Brain Stimulation Reverses Anhedonic-Like Behavior in a Chronic Model of Depression: Importance of BDNF and Inflammatory Cytokines. 2019 , 56, 4364-4380	19

304	Mindfulness-based program for stress reduction in infertile women: Randomized controlled trial. 2019 , 35, 49-58	22
303	Molecular Pharmacology and Neurobiology of Rapid-Acting Antidepressants. 2019 , 59, 213-236	59
302	Ketamine Enhances Visual Sensory Evoked Potential Long-term Potentiation in Patients With Major Depressive Disorder. 2020 , 5, 45-55	15
301	Ketamine-induced changes in plasma brain-derived neurotrophic factor (BDNF) levels are associated with the resting-state functional connectivity of the prefrontal cortex. 2020 , 21, 696-710	20
300	Pharmacotherapy with sertraline rescues brain development and behavior in a mouse model of CDKL5 deficiency disorder. 2020 , 167, 107746	5
299	Neuroprotective roles of neurotrophic factors in depression. 2020 , 125-144	3
298	Neurotrophic mechanisms underlying the rapid and sustained antidepressant actions of ketamine. 2020 , 188, 172837	55
297	Structural variation in the glycogen synthase kinase 3 β and brain-derived neurotrophic factor genes in Japanese patients with bipolar disorders. 2020 , 40, 46-51	2
296	The novel seizure quality index for the antidepressant outcome prediction in electroconvulsive therapy: association with biomarkers in the cerebrospinal fluid. 2020 , 270, 911-919	3
295	Neuroprotective roles of neurotrophic growth factors in mood disorders. 2020 , 145-172	
294	Orexin A injection into the ventral medial prefrontal cortex induces antidepressant-like effects: Possible involvement of local Orexin-1 and Trk receptors. 2020 , 395, 112866	2
293	The Influence of Stress on the Expression of Brain-Derived Neurotrophic Factor (BDNF) and Its Precursor proBDNF in Mice with Different Sensitivity of Serotonin 5-HT _{1A} Receptors. 2020 , 14, 262-267	
292	The role of brain-derived neurotrophic factor in neural circuit development and function. 2020 , 443-466	0
291	Peripheral Markers of Depression. 2020 , 9,	37
290	Transcutaneous vagal nerve stimulation blocks stress-induced activation of Interleukin-6 and interferon- γ in posttraumatic stress disorder: A double-blind, randomized, sham-controlled trial. 2020 , 9, 100138	7
289	2-Phenylethylamine (PEA) Ameliorates Corticosterone-Induced Depression-Like Phenotype via the BDNF/TrkB/CREB Signaling Pathway. 2020 , 21,	13
288	Hormonal Regulation of Mammalian Adult Neurogenesis: A Multifaceted Mechanism. 2020 , 10,	6
287	NMDA receptor partial agonist GLYX-13 alleviates chronic stress-induced depression-like behavior through enhancement of AMPA receptor function in the periaqueductal gray. 2020 , 178, 108269	6

286	Leptin regulates exon-specific transcription of the Bdnf gene via epigenetic modifications mediated by an AKT/p300 HAT cascade. 2021 , 26, 3701-3722	10
285	Antidepressants Promote and Prevent Cancers. 2020 , 38, 572-598	2
284	Blues in the Brain and Beyond: Molecular Bases of Major Depressive Disorder and Relative Pharmacological and Non-Pharmacological Treatments. 2020 , 11,	5
283	Application of Noninvasive Vagal Nerve Stimulation to Stress-Related Psychiatric Disorders. 2020 , 10,	17
282	Depression-like behaviors induced by defective PTPRT activity through dysregulated synaptic functions and neurogenesis. 2020 , 133,	3
281	Brain-Derived Neurotrophic Factor in the Cerebrospinal Fluid Increases During Electroconvulsive Therapy in Patients With Depression: A Preliminary Report. 2020 , 36, 193-197	3
280	Time-course of changes in key catecholaminergic receptors and trophic systems in rat brain after antidepressant administration. 2020 , 141, 104885	3
279	Antidepressant-Like Effects of Ethanol Extract of Ziziphus jujuba Mill Seeds in Mice. 2020 , 10, 7374	4
278	Brain-derived neurotrophic factor in 5-HT neurons regulates susceptibility to depression-related behaviors induced by subchronic unpredictable stress. 2020 , 126, 55-66	13
277	Antidepressant-Like Effects of CX717, a Positive Allosteric Modulator of AMPA Receptors. 2020 , 57, 3498-3507	6
276	Effects of long-term administration of Multi-Strain Probiotic on circulating levels of BDNF, NGF, IL-6 and mental health in patients with multiple sclerosis: a randomized, double-blind, placebo-controlled trial. 2020 , 1-12	16
275	Neonatal handling increases neurogenesis, BDNF and GR in the hippocampus favoring memory acquisition in rats. 2020 , 1745, 146921	1
274	Protective effects of butein on corticosterone-induced cytotoxicity in Neuro2A cells. 2020 , 8, 82-90	3
273	Programmed cell death 4 as an endogenous suppressor of BDNF translation is involved in stress-induced depression. 2021 , 26, 2316-2333	10
272	Impaired emotional response to stress in mice lacking galectin-1 or galectin-3. 2020 , 220, 112862	7
271	Sustained Ultrastructural Changes in Rat Hippocampal Formation After Repeated Electroconvulsive Seizures. 2020 , 23, 446-458	5
270	Encoding, Consolidation, and Renormalization in Depression: Synaptic Homeostasis, Plasticity, and Sleep Integrate Rapid Antidepressant Effects. 2020 , 72, 439-465	18
269	The role of eEF2 kinase in the rapid antidepressant actions of ketamine. 2020 , 89, 79-99	17

268	Serum BDNF Levels are Not Associated with the Antidepressant Effects of Nonconvulsive Electrotherapy. 2020 , 16, 1555-1560	1
267	Lack of antidepressant effects of burst-suppressing isoflurane anesthesia in adult male Wistar outbred rats subjected to chronic mild stress. 2020 , 15, e0235046	2
266	Confederates in the Attic: Posttraumatic Stress Disorder, Cardiovascular Disease, and the Return of Soldier's Heart. 2020 , 208, 171-180	2
265	Expression of 22 serotonin-related genes in rat brain after sub-acute serotonin depletion or reuptake inhibition. 2020 , 1-7	1
264	Hippocampal Neurogenesis Is Enhanced in Adult Tau Deficient Mice. 2020 , 9,	11
263	The Role of BDNF on Neural Plasticity in Depression. 2020 , 14, 82	60
262	Effects of endurance exercise and <i>Urtica dioica</i> on the functional, histological and molecular aspects of the hippocampus in STZ-Induced diabetic rats. 2020 , 256, 112801	11
261	A Critical Period for Prefrontal Network Configurations Underlying Psychiatric Disorders and Addiction. 2020 , 14, 51	5
260	The environment contributes more than genetics to smaller hippocampal volume in Posttraumatic Stress Disorder (PTSD). 2021 , 137, 579-588	7
259	Perisynaptic astrocytes as a potential target for novel antidepressant drugs. 2021 , 145, 60-68	5
258	Role of BDNF in the pathophysiology and treatment of depression: Activity-dependent effects distinguish rapid-acting antidepressants. 2021 , 53, 126-139	66
257	Prolonged ketamine infusion modulates limbic connectivity and induces sustained remission of treatment-resistant depression. 2021 , 238, 1157-1169	2
256	A Life Course Study on Traumatic Brain Injury and Physical and Emotional Trauma in Foster Children. 2021 , 2, 123-135	0
255	Monoamine Oxidase Inhibitors in Depressive Disorders. 2021 , 1-33	
254	Neurotoxicity in Depression. 2021 , 1-30	
253	Stress Responsiveness of BDNF/TrkB Signaling in the Neuroendocrine System and Future Implications. 2021 , 145-158	2
252	Enhancement of morphine-induced antinociception after electroconvulsive shock in mice. 2021 , 17, 1744806921992628	
251	Serotonergic neurons in the treatment of mood disorders: The dialogue with astrocytes. 2021 , 259, 197-228	2

250 Antidepressant Drugs. **2021**,

249 Intervention of Brain-Derived Neurotrophic Factor and Other Neurotrophins in Adult Neurogenesis. **2021**, 1331, 95-115 2

248 BDNF Val66Met polymorphism and resilience in major depressive disorder: the impact of cognitive psychotherapy. **2020**, 43, 22-28 6

247 The Interaction of Selective A1 and A2A Adenosine Receptor Antagonists with Magnesium and Zinc Ions in Mice: Behavioural, Biochemical and Molecular Studies. **2021**, 22, 2

246 Cannabidiol as a Potential Treatment for Anxiety and Mood Disorders: Molecular Targets and Epigenetic Insights from Preclinical Research. **2021**, 22, 14

245 Neuronal activity regulated pentraxin (narp) and GluA4 subunit of AMPA receptor may be targets for fluoxetine modulation. **2021**, 36, 711-722 1

244 How Antidepressant Drugs Affect the Antielectroshock Action of Antiseizure Drugs in Mice: A Critical Review. **2021**, 22, 0

243 Induction of Bdnf from promoter I following electroconvulsive seizures contributes to structural plasticity in neurons of the piriform cortex.

242 Downregulation of connexin43 potentiates noradrenaline-induced expression of brain-derived neurotrophic factor in primary cultured cortical astrocytes. **2021**, 236, 6777-6792 3

241 The functions of repressor element 1-silencing transcription factor in models of epileptogenesis and post-ischemia. **2021**, 36, 1135-1150 1

240 Overview of the Neuroprotective Effects of the MAO-Inhibiting Antidepressant Phenelzine. **2021**, 1 4

239 Plasma homocysteine concentrations and depression: A twin study. **2021**, 4, 100087-100087 0

238 Effects of Escitalopram and Relearning on Cortical and Subcortical Grey Matter in Healthy Humans.

237 The impact of external stress factors on hippocampus volume during antidepressant treatment. **2021**, 35, 92-98

236 Hippocampal Glycerol-3-Phosphate Acyltransferases 4 and BDNF in the Progress of Obesity-Induced Depression. **2021**, 12, 667773 3

235 Interaction between perineuronal nets and ketamine in antidepressant action.

234 Rapid-acting antidepressants and the regulation of TrkB neurotrophic signalling-Insights from ketamine, nitrous oxide, seizures and anaesthesia. **2021**, 129, 95-103 0

233 The advances of post-stroke depression: 2021 update. **2021**, 1 10

232	Striatal Shati/Nat8l-BDNF pathways determine the sensitivity to social defeat stress in mice through epigenetic regulation. 2021 , 46, 1594-1605	4
231	Natural Products for Neurodegeneration: Regulating Neurotrophic Signals. 2021 , 2021, 8820406	4
230	Synergistic Effect of the Long-Term Overexpression of Bcl-2 and BDNF Lentiviral in Cell Protecting against Death and Generating TH Positive and CHAT Positive Cells from MSC. 2021 , 22,	0
229	The Neurocircuitry of Posttraumatic Stress Disorder and Major Depression: Insights Into Overlapping and Distinct Circuit Dysfunction-A Tribute to Ron Duman. 2021 , 90, 109-117	6
228	Ronald S. Duman (1954-2020): In Memoriam. 2021 , 90, 72-73	
227	Acupuncture Treatment for Social Defeat Stress. 2021 , 15, 685433	0
226	Brain-Derived Neurotrophic Factor Signaling in Depression and Antidepressant Action. 2021 , 90, 128-136	31
225	Brain-derived neurotrophic factor in hematological malignancies: From detrimental to potentially beneficial. 2021 , 100871	0
224	Effects of Antidepressant Treatment on Neurotrophic Factors (BDNF and IGF-1) in Patients with Major Depressive Disorder (MDD). 2021 , 10,	6
223	Brain-heart connections in stress and cardiovascular disease: Implications for the cardiac patient. 2021 , 328, 74-82	3
222	Adult Neurogenesis and Antidepressant Treatment: The Surprise Finding by Ron Duman and the Field 20 Years Later. 2021 , 90, 96-101	6
221	Synergistic effects of combined therapy with transcranial photobiomodulation and enriched environment on depressive- and anxiety-like behaviors in a mice model of noise stress. 2021 , 1	3
220	A narrative review on invasive brain stimulation for treatment-resistant depression. 2021 ,	1
219	Physiological basis underlying antidepressant-induced activation of TrkB receptors.	
218	Pharmacologic agents directed at the treatment of pain associated with maladaptive neuronal plasticity. 2021 , 1-12	4
217	Mechanisms involved in neuroprotective effects of transcranial magnetic stimulation. 2021 ,	
216	mTOR Knockdown in the Infralimbic Cortex Evokes A Depressive-like State in Mouse. 2021 , 22,	7
215	Isotretinoin and neuropsychiatric side effects: Continued vigilance is needed. 2021 , 6, 100230	0

214	5-HT2B Receptors and Antidepressants. 2021 , 349-366	
213	Rationale for the development of noradrenaline reuptake inhibitors. 1998 , 13, S13-S19	0
212	Post-Traumatic Stress in Antisocial Youth: A Multifaceted Reality. 211-230	5
211	Regulation of Biogenic Amine Transporters. 2007 , 363-386	2
210	Activity-Dependent Regulation of Brain-derived neurotrophic factor Transcription. 155-173	2
209	Peripheral Biological Markers for Mood Disorders. 2009 , 121-149	1
208	Imaging in CNS Disease States: PTSD. 2010 , 339-360	7
207	Epilepsy and Seizures: Excitotoxicity or Excitotrophicity?. 2004 , 137-170	1
206	Role of Neurotoxicity in Depression. 2014 , 1567-1593	1
205	Glial Pathology in Major Psychiatric Disorders. 2002 , 49-73	7
204	A Role for CREB in Antidepressant Action. 1997 , 173-194	2
203	Glutamate and Depression. 2005 , 215-234	4
202	Biological Theories of Depression and Implications for Current and New Treatments. 2011 , 1-32	1
201	Galanin, galanin receptor subtypes and depression-like behaviour. 2010 , 102, 163-81	22
200	Depressive Disorders: Prevalence, Costs, and Theories. 2016 , 1-41	2
199	Brain Circuits Regulated by the 5-HT2A Receptor: Behavioural Consequences on Anxiety and Fear Memory. 2018 , 231-258	1
198	New Hypotheses to Guide Future Antidepressant Drug Development. 2004 , 519-563	2
197	Wirkungsmechanismen der EKT. 2013 , 181-199	1

196	Deep Brain Stimulation in Animal Models of Depression. 2012 , 103-112	1
195	The Dopamine D3 Receptor and Its Implication in Neuropsychiatry Disorders and Their Treatments. 2002 , 185-221	1
194	Post-traumatic Stress Disorder. 2001 , 1849-1891	1
193	Posttraumatische Belastungsstörung. 2000 , 59-136	2
192	Stress and BDNF Signal Transduction: Implications for Stress-Related Psychiatric Disorders. 1998 , 85-95	1
191	Depression and Manic-Depressive Illness. 2007 , 744-754	1
190	Gender and Antidepressants. 2004 , 860-868	3
189	Ketamine: The final frontier or another depressing end?. 2020 , 383, 112508	14
188	AP-1 controls the p11-dependent antidepressant response. 2020 , 25, 1364-1381	7
187	Synaptic plasticity and mood disorders.	5
186	Antidepressant-dependent mRNA changes in mouse associated with hippocampal neurogenesis in a mouse model of depression. 2012 , 22, 765-76	24
185	Tachykinins and Tachykinin Receptor Antagonists in Depression: Therapeutic Implications. 2011 , 350-357	7
184	CRE/CREB-driven up-regulation of gene expression by chronic social stress in CRE-luciferase transgenic mice: reversal by antidepressant treatment. 2007 , 2, e431	33
183	The roles of BDNF, pCREB and Wnt3a in the latent period preceding activation of progenitor cell mitosis in the adult dentate gyrus by fluoxetine. 2010 , 5, e13652	55
182	Stress leads to contrasting effects on the levels of brain derived neurotrophic factor in the hippocampus and amygdala. 2012 , 7, e30481	169
181	The interplay of stress and sleep impacts BDNF level. 2013 , 8, e76050	56
180	Exploring the impact of BDNF Val66Met genotype on serotonin transporter and serotonin-1A receptor binding. 2014 , 9, e106810	10
179	Alterations of BDNF and trkB mRNA expression in the 6-hydroxydopamine-induced model of preclinical stages of Parkinson's disease: an influence of chronic pramipexole in rats. 2015 , 10, e0117698	20

178	Brain-Derived Neurotrophic Factor and Antidepressive Effect of Electroconvulsive Therapy: Systematic Review and Meta-Analyses of the Preclinical and Clinical Literature. 2015 , 10, e0141564	68
177	Study of Adipose-Derived Mesenchymal Stem Cells Transduced with Lentiviral Vector Carrying the Brain-Derived Neurotrophic Factor Gene. 2020 , 13, 386-393	1
176	Role of Phytochemicals in Neurotrophins Mediated Regulation of Alzheimer's Disease. 2017 , 7,	3
175	Depression induces poor prognosis associates with the down-regulation brain derived neurotrophic factor of serum in advanced small cell lung cancer. 2016 , 7, 85975-85986	16
174	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017 , 8, 113258-113268	18
173	Candidate genes for antidepressant response to selective serotonin reuptake inhibitors. 2005 , 1, 17-35	22
172	Glycogen synthase kinase-3 (GSK3) in psychiatric diseases and therapeutic interventions. 2006 , 7, 1421-34	286
171	Combining Growth Factor and Stem Cell Therapy for Stroke Rehabilitation, A Review. 2020 , 21, 781-791	5
170	N-3 (omega-3) polyunsaturated Fatty acids in the pathophysiology and treatment of depression: pre-clinical evidence. 2013 , 12, 450-9	32
169	Induction of neuronal tolerance by electroconvulsive shock in rats subjected to forebrain ischemia. 2005 , 52, 153-60	5
168	Abnormalities in Catecholamines and the Pathophysiology of Bipolar Disorder. 2007 , 33-66	2
167	Hippocampal Mechanisms Linking Chronic Pain and Depression. 2006 , 2, 15-32	2
166	Enhancing synaptic plasticity and cellular resilience to develop novel, improved treatments for mood disorders. 2002 , 4, 73-92	7
165	Cellular plasticity and resilience and the pathophysiology of severe mood disorders. 2004 , 6, 217-25	7
164	Neural plasticity: consequences of stress and actions of antidepressant treatment. 2004 , 6, 157-69	50
163	Nonpharmacological, somatic treatments of depression: electroconvulsive therapy and novel brain stimulation modalities. 2006 , 8, 241-58	21
162	Traumatic stress: effects on the brain. 2006 , 8, 445-61	287
161	Electroconvulsive therapy and its different indications. 2008 , 10, 105-17	80

160	The neurotrophic and neuroprotective effects of psychotropic agents. 2009 , 11, 333-48	83
159	Neuronal damage and protection in the pathophysiology and treatment of psychiatric illness: stress and depression. 2009 , 11, 239-55	128
158	Stem cell approaches in psychiatry--challenges and opportunities. 2009 , 11, 397-404	2
157	Disorders of memory and plasticity in psychiatric disease. 2013 , 15, 455-63	50
156	Molecular mechanism of noradrenaline during the stress-induced major depressive disorder. 2018 , 13, 1159-1169	33
155	Decreased mRNA and Protein Expression of BDNF, NGF, and their Receptors in the Hippocampus from Suicide: An Analysis in Human Postmortem Brain. 2013 , 6, 1-11	39
154	Toxic stress, inflammation and symptomatology of chronic complications in diabetes. 2015 , 6, 554-65	24
153	Effects of BDNF polymorphisms on antidepressant action. 2010 , 7, 236-42	40
152	Epigenetic regulation of BDNF gene in response to stress. 2010 , 7, 251-6	77
151	Evidence for Association between the Brain-Derived Neurotrophic Factor Gene and Panic Disorder: A Novel Haplotype Analysis. 2015 , 12, 112-7	16
150	7,8-Dihydroxyflavone, a Tropomyosin-Kinase Related Receptor B Agonist, Produces Fast-Onset Antidepressant-Like Effects in Rats Exposed to Chronic Mild Stress. 2016 , 13, 531-540	16
149	Neuroplasticity and the Biological Role of Brain Derived Neurotrophic Factor in the Pathophysiology and Management of Depression. 2020 , 12, e11396	5
148	Association of the Brain-derived Neurotrophic Factor Gene and Clinical Features of Bipolar Disorder in Korea. 2012 , 10, 163-7	11
147	Therapeutic modalities for treatment resistant depression: focus on vagal nerve stimulation and ketamine. 2014 , 12, 83-93	26
146	Psychedelics and Other Psychoplastogens for Treating Mental Illness. 2021 , 12, 727117	7
145	Literatur. 2000 , 192-251	
144	Early Disruption of Corticolimbic Circuitry as a Model of Schizophrenia. 2000 , 259-274	
143	Neurobiology of Affective Disorders. 2001 , 1637-1647	

142 Lithium and Signal Transduction. **2002**, 435-437

141 Neurobiologische Grundlagen. **2002**, 1-77

140 Signaling through Gz. **2003**, 601-604

1

139 Regulation of Neural Stem Cells in the Adult Mammalian Brain. **2003**, 219-256

138 Pre-protachykinin and Tachykinin Receptor Knockout Mice. **2004**, 297-340

137 Biological Theories of Depression and Implications for Current and New Treatments. **2004**, 1-32

2

136 Wissenschaftliche Grundlagen der EKT. **2004**, 43-150

135 Factores neurotróficos y fisiopatología de las psicosis Esquizofrénicas. **2005**, 12, 69-81

134 Targeting the Dopamine D 3 Receptor for Treatment of Nicotine Dependence. **2006**, 199-212

133 5-Hydroxytryptamine in the Central Nervous System. **2008**, 171-212

132 Sustained Expression of Neuritin mRNA After Repeated Electroconvulsive Stimulations in the Rat Hippocampal Formation. **2009**, 18, 62

0

131 Understanding the neurobiology of bipolar depression. **2009**, 77-94

1

130 Phosphatidylinositol 3-Kinase/Glycogen Synthase Kinase and Mitogen-Activated Protein Kinase Signalling Cascades in Neuronal Cell Survival: What the Neurotrophins Have Taught Us and Implications For Neuropsychiatric Disorders. **2010**, 135-164

129 Neural Mechanisms of Antidepressant / Anxiolytic Properties of Physical Exercise. **2010**, 37, 133-140

2

128 Neurotrophic Factors as Novel Therapeutic Targets.

127 - GeneEnvironment Interaction and Suicidal Behavior. **2012**, 222-239

126 Encyclopedia of Psychopharmacology. **2014**, 1-5

125 Mecanismos de acción en la estimulación magnética transcraneal. **2014**, 21-30

- 124 Molecular Strategies to Novel Antidepressant Discovery. **1997**, 235-250
- 123 Molekulare Mechanismen der Depressionstherapie. **1999**, 273-318 3
- 122 Alteration of Brain-Derived Neurotrophic Factor Levels in Panic Disorder. **2015**, 54, 482
- 121 [Comparison of different doses of escitalopram in the prevention of dementia in patients with depression and moderate cognitive dysfunction associated with chronic brain ischemia]. **2015**, 115, 53-60
- 120 References. **2015**, 310-326
- 119 Traumatic Stress from a Multiple-Levels-of-Analysis Perspective. 656-676 0
- 118 The Role of Arrestins in the Neuroprotective Effects of Antidepressant Drugs. **2016**, 793-804
- 117 Antidepressant Drugs and Phosphodiesterases. **2016**, 805-823
- 116 Silent Synapse Activation in Epilepsy. **2016**, 5,
- 115 Stress and the Dynamic Fear Memory: Synaptic Cellular Bases and Their Implication for Psychiatry Disorders. **2017**, 221-237
- 114 Association of BDNF Val66Met Polymorphism and Brain BDNF levels with Major Depression and Suicide.
- 113 Electrical stimulation of the retina: aspects arising from retinal noise. **2018**, 8,
- 112 Cysteamine Potentiates the Anti-Depressive Effects of Venlafaxine in Corticosterone-Induced Anxiety/Depression Mouse Model: Effect on Brain-Derived Neurotrophic Factor and Tropomyosin-Related Kinase B. **2018**, 8, 0
- 111 Activation of the TRKB receptor mediates the panicolytic-like effect of NOS inhibitor aminoguanidine.
- 110 Effect of venlafaxine on hippocampal BDNF levels in depression-induced rats. **2018**, 10, 766-775
- 109 Antidepressant pharmacotherapy and poststroke motor rehabilitation: A review of neurophysiologic mechanisms and clinical relevance. **2019**, 5, 62-67 5
- 108 Thermoregulatory Fear of Harm Mood Disorder: In Depth Exploration of a Unique Juvenile-Onset Phenotype That Provides a Parsimonious Clinical Description of Certain Youths with Highly Comorbid Treatment Refractory Psychiatric Disorders. **2019**,
- 107 A gene-based analysis of variants in the Brain-derived Neurotrophic Factor gene with psychological distress in a Taiwanese population. **2019**, 33, 33 1

106	A Role for Gβγ in regulating seizure susceptibility.	0
105	The Role of Brain-Derived Neurotrophic Factor in Mediating the Action of Antidepressants in the Treatment of Depression. 2019 , 74, 20-28	0
104	New Pharmacological Interventions in Bipolar Disorder. 2021 , 48, 303-324	1
103	Brain-Derived Neurotrophic Factor Up-Regulation by the Methanol Extract of Foxtail Millet in Human Peripheral Cells. 2020 , 66, 284-288	0
102	Effect of Central Administration of Brain-Derived Neurotrophic Factor (BDNF) on Behavior and Brain Monoamine Metabolism in New Recombinant Mouse Lines Differing by 5-HT Receptor Functionality. 2021 , 22,	1
101	Molekulare Aspekte antidepressiver Therapien: Signaltransduktionskaskaden und Gentranskriptionsmechanismen. 2005 , 535-542	
100	Decoding the Genetics and Underlying Mechanisms of Mood Disorders Sevilla D. Detera-Wadleigh and Takeo Yoshikawa. 2009 , 1-50	
99	Adaptive Cognitive Modeling of Electroconvulsive Treatment (ECT). 2021 , 1-11	
98	Molecular and Cellular Mechanisms Regulating Quiescence and Division of Hippocampal Stem Cells. 2020 , 14, 329-346	
97	Neuroprotective effects of antidepressant and mood stabilizing drugs. 2002 , 27, 8-9	33
96	The neurobiology of treatment response to antidepressants and mood stabilizing medications. 2002 , 27, 260-5	24
95	Implications of adult hippocampal neurogenesis in antidepressant action. 2004 , 29, 196-205	130
94	Antidepressants upregulate messenger RNA levels of the neuroprotective enzyme superoxide dismutase (SOD1). 2000 , 25, 43-7	32
93	Antidepressant use during pregnancy. 2001 , 26, 17-9	0
92	Electroconvulsive shock enhances striatal dopamine D1 and D3 receptor binding and improves motor performance in 6-OHDA-lesioned rats. 2007 , 32, 193-202	24
91	Amine oxidases and their inhibitors: what can they tell us about neuroprotection and the development of drugs for neuropsychiatric disorders?. 2007 , 32, 313-5	17
90	A neuroplasticity hypothesis of chronic stress in the basolateral amygdala. 2013 , 86, 117-25	31
89	Daily running promotes spatial learning and memory in rats. 2007 , 6, 429-33	6

88	Stress, epigenetics, and alcoholism. 2012 , 34, 495-505	19
87	Effect of exercise on learning, memory and levels of epinephrine in rats' hippocampus. 2003 , 2, 106-9	22
86	Genetic and epigenetic regulation of the brain-derived neurotrophic factor in the central nervous system. 2014 , 87, 173-86	25
85	Effect of Chronic Restraint Stress on HPA Axis Activity and Expression of BDNF and Trkb in the Hippocampus of Pregnant Rats: Possible Contribution in Depression during Pregnancy and Postpartum Period. 2014 , 5, 131-7	33
84	Role of brain-derived neurotrophic factor in the molecular neurobiology of major depressive disorder. 2017 , 4, 20-30	3
83	Brain-wide cellular mapping of acute stress-induced activation in male and female mice. 2021 , 35, e22041	0
82	The brain targeted delivery of programmed cell death 4 specific siRNA protects mice from CRS-induced depressive behavior. 2021 , 12, 1077	0
81	MTORC1 signaling as a biomarker in major depressive disorder and its pharmacological modulation by novel rapid-acting antidepressants. 2021 , 11, 20451253211036814	0
80	BDNF signaling in context: From synaptic regulation to psychiatric disorders.. 2021 ,	11
79	Mechanisms of Ketamine and its Metabolites as Antidepressants.. 2021 , 114892	7
78	Analysis of Antidepressant-like Effects and Action Mechanisms of GSB-106, a Small Molecule, Affecting the TrkB Signaling.. 2021 , 22,	0
77	Brain-derived neurotrophic factor and inflammation in depression: Pathogenic partners in crime?. 2022 , 12, 77-97	3
76	Glial Purinergic Signals and Psychiatric Disorders.. 2021 , 15, 822614	1
75	Examining the Use of Antidepressants for Adolescents with Depression/Anxiety Who Regularly Use Cannabis: A Narrative Review.. 2022 , 19,	1
74	Depression, Estrogens, and Neuroinflammation: A Preclinical Review of Ketamine Treatment for Mood Disorders in Women.. 2021 , 12, 797577	1
73	Vagus nerve stimulation: An update on a novel treatment for treatment-resistant depression.. 2022 , 434, 120171	1
72	The neuropeptide cyclopropylglycine produces antidepressant-like effect and enhances gene expression in the mice cortex.. 2022 , 2698811211069101	0
71	Probiotic supplementation alleviates absence seizures and anxiety- and depression-like behavior in WAG/Rij rat by increasing neurotrophic factors and decreasing proinflammatory cytokines.. 2022 , 128, 108588	2

- 70 Effects of a in the Hippocampus on Behavior, the Serotonin System, and BDNF.. **2021**, 22, ○
- 69 Association of Serum BDNF Level and Val66Met Polymorphism with Response to Treatment in Patients of Major Depressive Disease: A Step Towards Personalized Therapy.
- 68 Recent advances in understanding depressive disorder: Possible relevance to brain stimulation therapies.. **2022**, 270, 123-147
- 67 The Medial Prefrontal Cortex (mPFC) and Addictions. **2022**, 1-16
- 66 Excitation and Inhibition Imbalance in Rett Syndrome.. **2022**, 16, 825063 2
- 65 Electroconvulsive therapy for super refractory status epilepticus in pregnancy: case report and review of literature.. **2022**, 1-11
- 64 Neuroanatomical Correlates of Mild-to-Moderate Depression: Memory Ability Mediates the Association Between Gray Matter Volume and Antidepressant Treatment Outcome.. **2022**, 16, 872228
- 63 Induction of Bdnf from promoter I following electroconvulsive seizures contributes to structural plasticity in neurons of the piriform cortex.. **2022**, 15, 427-433 1
- 62 Novel Insights Into the Neurobiology of the Antidepressant Response From Ketamine Research: A Mini Review.. **2021**, 15, 759466 ○
- 61 Image_1.tif. **2019**,
- 60 Image_2.tif. **2019**,
- 59 Data_Sheet_1.xlsx. **2018**,
- 58 Image_1.TIF. **2018**,
- 57 Image_1.tif. **2018**,
- 56 Table_1.DOCX. **2018**,
- 55 Impact of stress on inhibitory neuronal circuits, our tribute to Bruce McEwen. **2022**, 19, 100460
- 54 Female Carriers of the Met Allele of the BDNF Val66Met Polymorphism Develop Weaker Fear Memories in a Fear-Potentiated Startle Paradigm. **2022**, 12, 211-235
- 53 The intersection of astrocytes and the endocannabinoid system in the lateral habenula: on the fast-track to novel rapid-acting antidepressants.. **2022**, ○

- 52 Antidepressant effects of acupuncture in a murine model: regulation of neurotrophic factors.. **2022**, 9645284221085279
- 51 The Role of Psychopharmacology in Mental Health Prevention. **2022**, 53-74
- 50 Pro-cognitive effect of acute imipramine administration correlates with direct interaction of BDNF with its receptor, TrkB **2022**, 1789, 147948 ○
- 49 Association of serum BDNF level and Val66Met polymorphism with response to treatment in patients of major depressive disease: A step towards personalized therapy. **2022**, 430, 113931
- 48 Advances in Depression and Brain-Derived Neurotrophic Factor. **2022**, 12, 323-334
- 47 Sorting Through the Extensive and Confusing Roles of Sortilin in Metabolic Disease. **2022**, 100243 1
- 46 The Relationship Among BDNF Val66Met Polymorphism, Plasma BDNF Level, and Trait Anxiety in Chinese Patients With Panic Disorder. 13, ○
- 45 Metabolomic profiling relates tianeptine effectiveness with hippocampal GABA, myo-inositol, cholesterol, and fatty acid metabolism restoration in socially isolated rats. ○
- 44 Breaking Mental Barriers Promotes Recovery After Spinal Cord Injury. 15,
- 43 SUMOylation and Major Depressive Disorder. **2022**, 23, 8023 ○
- 42 Loureirin C and Xanthoceraside Prevent Abnormal Behaviors Associated with Downregulation of Brain Derived Neurotrophic Factor and AKT/mTOR/CREB Signaling in the Prefrontal Cortex Induced by Chronic Corticosterone Exposure in Mice. 1
- 41 BDNF-related mutations in major depressive disorder: a systematic review. 1-61 ○
- 40 Antidepressant-like effects of trophic factor receptor signaling. 15,
- 39 Ginseng total saponins and Fuzi total alkaloids exert antidepressant-like effects in ovariectomized mice through BDNF-mTORC1, autophagy and peripheral metabolic pathways. **2022**, 107, 154425 ○
- 38 Regulation of adult-born and mature neurons in stress response and antidepressant action in the dentate gyrus of the hippocampus. **2022**, ○
- 37 Plasticity of synapses and reward circuit function in the genesis and treatment of depression. ○
- 36 Survival and Neurogenesis-Promoting Effects of the Co-Overexpression of BCLXL and BDNF Genes on Wharton's Jelly-Derived Mesenchymal Stem Cells. **2022**, 12, 1406 ○
- 35 The role of brain derived neurotrophic factor in central nervous system. 14, 1

34	Participation of the Serotonergic System and Brain-Derived Neurotrophic Factor in the Antidepressant-like Effect of Flavonoids. 2022 , 23, 10896	0
33	Non-Pharmacological Therapeutic Options for the Treatment of Alzheimer's Disease. 2022 , 23, 11037	2
32	The Antidepressant-like Activity, Effects on Recognition Memory Deficits, Bioavailability, and Safety after Chronic Administration of New Dual-Acting Small Compounds Targeting Neuropsychiatric Symptoms in Dementia. 2022 , 23, 11452	0
31	Microbiota-Gut-Brain Axis Regulation of Adult Hippocampal Neurogenesis. 2022 , 1-23	3
30	The Medial Prefrontal Cortex (mPFC) and Addictions. 2022 , 459-474	0
29	<i>Boophone disticha</i> attenuates five day repeated forced swim-induced stress and adult hippocampal neurogenesis impairment in male Balb/c mice. 2022 ,	0
28	BDNF receptor TrkB as the mediator of the antidepressant drug action. 15,	3
27	Monoamine Oxidase Inhibitors in Depressive Disorders. 2022 , 1347-1379	0
26	On the role of serotonin 5-HT1A receptor in autistic-like behavior: Cross talk of 5-HT and BDNF systems. 2023 , 438, 114168	0
25	Potential of Heterogeneous Compounds as Antidepressants: A Narrative Review. 2022 , 23, 13776	0
24	Intricate role of sleep deprivation in modulating depression: focusing on BDNF, VEGF, serotonin, cortisol, and TNF- α .	0
23	Role of neurotrophic and growth factors in the rapid and sustained antidepressant actions of ketamine. 2023 , 224, 109335	0
22	Role of the mesolimbic dopamine pathway in the antidepressant effects of ketamine. 2023 , 225, 109374	1
21	Increased left dorsolateral prefrontal cortex density following escitalopram intake during relearning: a randomized, placebo-controlled trial in healthy humans. 2022 , 12, 204512532211320	0
20	Neurotrophic Factors. 2022 , 203-215	0
19	BDNF as a Mediator of Antidepressant Response: Recent Advances and Lifestyle Interactions. 2022 , 23, 14445	1
18	Electroconvulsive Stimulation in Rats Induces Alterations in the Hippocampal miRNome: Translational Implications for Depression.	0
17	Alcohol Withdrawal and the Associated Mood Disorders: A Review. 2022 , 23, 14912	0

- 16 Rapid-acting antidepressants targeting modulation of the glutamatergic system: clinical and preclinical evidence and mechanisms. **2022**, 35, e100922
- 15 Brain-Derived Neurotrophic Factor (BDNF) as an Indicator for Effects of Cognitive Behavioral Therapy (CBT): A Systematic Review. **2023**, 11, 27
- 14 Putative roles for homeostatic plasticity in epileptogenesis.
- 13 Canalization and plasticity in psychopathology. **2023**, 226, 109398
- 12 Chronic escitalopram in healthy volunteers has specific effects on reinforcement sensitivity: a double-blind, placebo-controlled semi-randomised study.
- 11 Bridging rapid and sustained antidepressant effects of ketamine. **2023**, 29, 364-375
- 10 Neurotoxicity in Depression. **2022**, 2085-2114
- 9 Serum BDNF levels are involved in the diagnosis and treatment response in patients with PD. **2023**, 327, 31-37
- 8 Mood and behavior regulation: interaction of lithium and dopaminergic system.
- 7 Discovering the Potential Mechanisms of Medicinal Mushrooms Antidepressant Activity: A Review. **2023**, 12, 623
- 6 TRKB interaction with PSD95 is associated with latency of fluoxetine and 2R,6R-hydroxynorketamine. **2023**, 57, 1215-1224
- 5 In Silico Exploration of Metabolically Active Peptides as Potential Therapeutic Agents against Amyotrophic Lateral Sclerosis. **2023**, 24, 5828
- 4 The Melanocortin System: A Promising Target for the Development of New Antidepressant Drugs. **2023**, 24, 6664
- 3 Sleep reactivity to stress and insomnia: sleep measures and molecular markers. **2023**, 29, 91-99
- 2 Exploring the Therapeutic Effect of Neurotrophins and Neuropeptides in Neurodegenerative Diseases: at a Glance.
- 1 Unveiling behavioral and molecular neuroadaptations related to the antidepressant action of cannabidiol in the unpredictable chronic mild stress model. 14,