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Decreased serum brain-derived neurotrophic factor levels in major depressed patients

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#	Paper	IF	Citations
1006	Brain-derived neurotrophic factor (BDNF) in stress and affective disorders. 2002 , 7, 519		37
1005	Levels of serum brain-derived neurotrophic factor in primates. 2003 , 44, 167-9		11
1004	Modeling depression with transgenic mice: the neurotrophin hypothesis revisited. 2003 , 3, 263-269		4
1003	Effects of chronic exercise and imipramine on mRNA for BDNF after olfactory bulbectomy in rat. 2003 , 974, 228-35		61
1002	Association study of a brain-derived neurotrophic-factor genetic polymorphism and major depressive disorders, symptomatology, and antidepressant response. 2003 , 123B, 19-22		165
1001	Molecular correlates of impaired prefrontal plasticity in response to chronic stress. 2003 , 85, 1312-23		85
1000	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
999	Decreased levels of serum brain-derived neurotrophic factor in female patients with eating disorders. 2003 , 54, 485-90		128
998	Neurotransmitters, neurosteroids and neurotrophins: new models of the pathophysiology and treatment of depression. 2003 , 4, 98-102		20
997	Alterations of serum levels of brain-derived neurotrophic factor (BDNF) in depressed patients with or without antidepressants. 2003 , 54, 70-5		887
996	Attention-deficit hyperactivity disorder and brain-derived neurotrophic factor: a speculative hypothesis. 2003 , 60, 849-51		32
995	Brain-derived neurotrophic factor: a bridge between major depression and Alzheimer's disease?. 2003 , 61, 110-3		49
994	Association study of a brain-derived neurotrophic-factor genetic polymorphism and mood disorders, age of onset and suicidal behavior. 2003 , 48, 186-9		175
993	Social anxiety disorder. 2003, 4, 103-10		2
992	Altered gene expression of brain-derived neurotrophic factor and receptor tyrosine kinase B in postmortem brain of suicide subjects. 2003 , 60, 804-15		643
991	The role of estrogen in mood disorders in women. 2003 , 15, 280-90		95
990	Current World Literature. 2003 , 16, 89-119		

989 Current World Literature. **2003**, 16, 233-260

988	BDNF serum concentrations in healthy volunteers are associated with depression-related personality traits. 2004 , 29, 795-8	184
987	Drug-induced decrease of protein kinase a activity reveals alteration in BDNF expression of bipolar affective disorder. 2004 , 29, 805-12	27
986	Trends in the development of new antidepressants. Is there a light at the end of the tunnel?. 2004 , 11, 925-43	138
985	Neurotrophic factors and CNS disorders: findings in rodent models of depression and schizophrenia. 2004 , 146, 151-65	90
984	Association analysis of brain-derived neurotrophic factor Val66Met polymorphisms with Alzheimer's disease and age of onset. 2004 , 49, 10-2	63
983	Invited review: the evolution of antidepressant mechanisms. 2004, 18, 1-21	127
982	In search of a depressed mouse: utility of models for studying depression-related behavior in genetically modified mice. 2004 , 9, 326-57	493
981	Physiology of BDNF: focus on hypothalamic function. 2004 , 25, 77-107	254
980	The cAMP-dependent protein kinase A and brain-derived neurotrophic factor expression in lymphoblast cells of bipolar affective disorder. 2004 , 79, 187-92	31
979	Post-stress changes in BDNF and Bcl-2 immunoreactivities in hippocampal neurons: effect of chronic administration of olanzapine. 2004 , 1025, 194-202	60
978	BDNF and COMT polymorphisms: relation to memory phenotypes in young adults with childhood-onset mood disorder. 2004 , 5, 181-92	36
977	Neurotrophin effects on neuroblastoma cells: correlation with trk and p75NTR expression and influence of Trk receptor bodies. 2004 , 66, 101-10	21
976	State of the art of the neurotrophin hypothesis in psychiatric disorders: implications and limitations. 2004 , 111, 387-411	104
975	Association study of brain-derived neurotrophic factor in adults with a history of childhood onset mood disorder. 2004 , 131B, 16-9	86
974	Future antidepressants: what is in the pipeline and what is missing?. 2004 , 18, 705-32	36
973	Association analysis of brain-derived neurotrophic factor (BDNF) gene Val66Met polymorphism in schizophrenia and bipolar affective disorder. 2004 , 5, 215-20	79
972	Critical role of brain-derived neurotrophic factor in mood disorders. 2004 , 45, 104-14	373

971	Lymphocytes as a neural probe: potential for studying psychiatric disorders. 2004 , 28, 559-76	280
970	Fluoxetine-induced change in rat brain expression of brain-derived neurotrophic factor varies depending on length of treatment. 2004 , 128, 597-604	194
969	Is mania caused by overactivity of central brain-derived neurotrophic factor?. 2004, 62, 19-22	39
968	Down-regulation of the Trk-B signal pathway: the possible pathogenesis of major depression. 2004 , 62, 215-8	26
967	Opposite changes in the serum brain-derived neurotrophic factor in anorexia nervosa and obesity. 2004 , 66, 744-8	88
966	Is there a role for the endocannabinoid system in the etiology and treatment of melancholic depression?. 2005 , 16, 333-52	147
965	BDNF in schizophrenia, depression and corresponding animal models. 2005 , 10, 345-52	434
964	Brain-derived neurotrophic factor variants are associated with childhood-onset mood disorder: confirmation in a Hungarian sample. 2005 , 10, 861-7	100
963	Remission and recovery in depression treatment. 2005 , 65, 335-343	8
962	Association study of neurotrophic tyrosine kinase receptor type 2 (NTRK2) and childhood-onset mood disorders. 2005 , 132B, 90-5	21
961	Association of a functional BDNF polymorphism and anxiety-related personality traits. 2005, 180, 95-9	214
960	The Flinders Sensitive Line rat: a selectively bred putative animal model of depression. 2005, 29, 739-59	304
959	Mutant mouse models of depression: candidate genes and current mouse lines. 2005, 29, 805-28	95
958	Effect of treatment on serum brain-derived neurotrophic factor levels in depressed patients. 2005 , 255, 381-6	270
957	Semax, an ACTH(4-10) analogue with nootropic properties, activates dopaminergic and serotoninergic brain systems in rodents. 2005 , 30, 1493-500	18
956	The Role of Transcription Factors in the Biology of Depression. 2005 , 823-854	2
955	The Concept of Dysregulated Signal Transduction and Gene Expression in the Pathophysiology of Mood Disorders. 2005 , 1, 227-254	3
954	Involvement of neurotrophins and their receptors in spondyloarthritis synovitis: relation to inflammation and response to treatment. 2005 , 64, 1542-9	35

(2006-2005)

953	Effects of tryptophan depletion on serum levels of brain-derived neurotrophic factor in unmedicated patients with remitted depression and healthy subjects. 2005 , 162, 805-7	44
952	Regulation of brain-derived neurotrophic factor (BDNF) during sleep apnoea treatment. 2005 , 60, 688-92	23
951	Circulating brain-derived neurotrophic factor is decreased in women with anorexia and bulimia nervosa but not in women with binge-eating disorder: relationships to co-morbid depression, psychopathology and hormonal variables. 2005 , 35, 897-905	93
950	Partial normalization of serum brain-derived neurotrophic factor in remitted patients after a major depressive episode. 2005 , 51, 234-8	157
949	Recent findings on the genetic basis of bipolar disorder. 2005 , 28, 481-98, ix	16
948	Simultaneous measurement of 25 inflammatory markers and neurotrophins in neonatal dried blood spots by immunoassay with xMAP technology. 2005 , 51, 1854-66	236
947	Neurotrophin levels in postmortem brains of suicide victims and the effects of antemortem diagnosis and psychotropic drugs. 2005 , 136, 29-37	426
946	Neurotrophins in clinical diagnostics: pathophysiology and laboratory investigation. 2005 , 352, 49-74	51
945	The effect of chronic antidepressant treatment on serum brain-derived neurotrophic factor levels in depressed patients: a preliminary study. 2005 , 29, 261-5	236
944	The impact of age, weight and gender on BDNF levels in human platelets and plasma. 2005 , 26, 115-23	593
943	The exercise-induced expression of BDNF within the hippocampus varies across life-span. 2005 , 26, 511-20	203
942	Neurotrophic factors and regulation of mood: role of exercise, diet and metabolism. 2005 , 26 Suppl 1, 88-93	111
0.47	Low brain-derived neurotrophic factor (BDNF) levels in serum of depressed patients probably	
941	results from lowered platelet BDNF release unrelated to platelet reactivity. 2005 , 57, 1068-72	464
940		255
	results from lowered platelet BDNF release unrelated to platelet reactivity. 2005 , 57, 1068-72 Evidence for a relationship between genetic variants at the brain-derived neurotrophic factor	
940	results from lowered platelet BDNF release unrelated to platelet reactivity. 2005 , 57, 1068-72 Evidence for a relationship between genetic variants at the brain-derived neurotrophic factor (BDNF) locus and major depression. 2005 , 58, 307-14	255
940	results from lowered platelet BDNF release unrelated to platelet reactivity. 2005, 57, 1068-72 Evidence for a relationship between genetic variants at the brain-derived neurotrophic factor (BDNF) locus and major depression. 2005, 58, 307-14 Suicide brain is associated with decreased expression of neurotrophins. 2005, 58, 315-24	² 55

935	Electroconvulsive Therapy (ECT) increases serum Brain Derived Neurotrophic Factor (BDNF) in drug resistant depressed patients. 2006 , 16, 620-4	131
934	Brain-derived neurotrophic factor and autoantibodies to neural antigens in sera of children with autistic spectrum disorders, Landau-Kleffner syndrome, and epilepsy. 2006 , 59, 354-63	227
933	Neurotrophin levels and behaviour in BALB/c mice: impact of intermittent exposure to individual housing and wheel running. 2006 , 167, 1-8	29
932	Beneficial effects of exercise and its molecular mechanisms on depression in rats. 2006 , 168, 47-55	171
931	Nitric oxide synthesis is required for exercise-induced increases in hippocampal BDNF and phosphatidylinositol 3' kinase expression. 2006 , 68, 257-68	41
930	Serum brain-derived neurotrophic factor is decreased in bipolar disorder during depressive and manic episodes. 2006 , 398, 215-9	311
929	Brain-derived neurotrophic factor (BDNF) changes in the serum of depressed women. 2006 , 30, 1256-60	159
928	No change between the serum brain-derived neurotrophic factor in female patients with anorexia nervosa before and after partial weight recovery. 2006 , 30, 1117-21	32
927	The Val66Met polymorphism of the brain-derived neurotrophic-factor gene is associated with geriatric depression. 2006 , 27, 1834-7	201
926	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
925	[Depression and BDNF]. 2006 , 127, 201-4	6
924	Clinical relevance of the neurotrophins and their receptors. 2006 , 110, 175-91	217
923	Gender-Dependent Modulation of Brain Monoamines and Anxiety-Like Behaviors in Mice with Genetic Serotonin Transporter and BDNF Deficiencies. 2006 , 1	
922	Successful treatment for obsessive-compulsive disorder with addition of low-dose risperidone to fluvoxamine: implications for plasma levels of catecholamine metabolites and serum brain-derived neurotrophic factor levels. 2006 , 60, 389-93	25
921	Brain-derived neurotrophic factor in the brain of Xenopus laevis may act as a pituitary neurohormone together with mesotocin. 2006 , 18, 454-65	10
920	ERK MAP kinase signaling in post-mortem brain of suicide subjects: differential regulation of upstream Raf kinases Raf-1 and B-Raf. 2006 , 11, 86-98	103
919	Gender-dependent modulation of brain monoamines and anxiety-like behaviors in mice with genetic serotonin transporter and BDNF deficiencies. 2006 , 26, 755-80	84
918	Implication of increased NRSF/REST binding activity in the mechanism of ethanol inhibition of neuronal differentiation. 2006 , 113, 283-93	28

(2007-2006)

917	Compulsive exercise acutely upregulates rat hippocampal brain-derived neurotrophic factor. 2006 , 113, 803-11	116
916	[Brain-derived neurotrophic factor: from nerve growth factor to modulator of brain plasticity in cognitive processes and psychiatric diseases]. 2006 , 77, 523-37	21
915	Cyclic AMP response element binding protein and brain-derived neurotrophic factor: molecules that modulate our mood?. 2006 , 31, 423-34	97
914	Effect of repetitive transcranial magnetic stimulation on serum brain derived neurotrophic factor in drug resistant depressed patients. 2006 , 91, 83-6	118
913	Association study of BDNF and CNTF polymorphism to depression in non-demented subjects of the "VITA" study. 2006 , 96, 111-6	20
912	Chronic stress induces upregulation of brain-derived neurotrophic factor (BDNF) mRNA and integrin alpha5 expression in the rat pineal gland. 2006 , 1086, 27-34	20
911	Biphasic change in BDNF gene expression following antidepressant drug treatment explained by differential transcript regulation. 2006 , 1106, 12-20	56
910	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
909	Maternal serum concentrations of BDNF and depression in the perinatal period. 2006, 31, 388-94	83
908	Effect of risperidone on plasma catecholamine metabolites and brain-derived neurotrophic factor in patients with bipolar disorders. 2006 , 21, 433-8	41
907	Transmission distortion of BDNF variants to bipolar disorder type I patients from a South American population isolate. 2006 , 141B, 435-9	20
906	Serum brain-derived neurotrophic factor concentrations in lean and overweight children and adolescents. 2006 , 91, 3548-52	87
905	High-frequency repetitive transcranial magnetic stimulation improves refractory depression by influencing catecholamine and brain-derived neurotrophic factors. 2006 , 39, 52-9	112
904	Neurochemistry of the nucleus accumbens and its relevance to depression and antidepressant action in rodents. 2006 , 4, 277-91	168
903	A genotype-endophenotype-phenotype path model of depressed mood: integrating cognitive and emotional markers. 2007 , 6, 75-104	29
902	Neurogenetics of Psychiatric Disorders. 2007,	
901	Chronic heroin and cocaine abuse is associated with decreased serum concentrations of the nerve growth factor and brain-derived neurotrophic factor. 2007 , 21, 820-5	93
900	Candidate genes, pathways and mechanisms for alcoholism: an expanded convergent functional genomics approach. 2007 , 7, 222-56	80

899	The effect of acute exercise on serum brain-derived neurotrophic factor levels and cognitive function. 2007 , 39, 728-34	555
898	Stress and disease: is being female a predisposing factor?. 2007 , 27, 11851-5	124
897	Serum BDNF levels in suicide attempters related to psychosocial stressors: a comparative study with depression. 2007 , 56, 93-7	57
896	Blood levels of brain-derived neurotrophic factor correlate with several psychopathological symptoms in anorexia nervosa patients. 2007 , 56, 185-90	25
895	Changes in brain-derived neurotrophic factor following treatment with mifepristone in bipolar disorder and schizophrenia. 2007 , 41, 321-6	35
894	Neurobiology and Treatment of Depression. 2007,	
893	Neurotrophic Factors in Etiology and Treatment of Mood Disorders. 2007,	0
892	The role of neurotrophic factors in adult hippocampal neurogenesis, antidepressant treatments and animal models of depressive-like behavior. 2007 , 18, 391-418	522
891	Brain-Derived Neurotrophic Factor and Major Depression. 2007 , 42, 59-66	
890	Psychopharm Review: CME QUIZ. 2007 , 42, 66	
889	Targeting neurotrophic/growth factor expression and signaling for antidepressant drug development. 2007 , 6, 151-60	48
888	The brain-derived neurotrophic factor rs6265 (Val66Met) polymorphism and depression in Mexican-Americans. 2007 , 18, 1291-3	71
887	Parent-of-origin effects in attention-deficit hyperactivity disorder. <i>Psychiatry Research</i> , 2007 , 149, 1-9	56
88 ₇		56 195
,	Parent-of-origin effects in attention-deficit hyperactivity disorder. <i>Psychiatry Research</i> , 2007 , 149, 1-9 9.9	
886	Parent-of-origin effects in attention-deficit hyperactivity disorder. <i>Psychiatry Research</i> , 2007 , 149, 1-9 9.9 Low plasma BDNF is associated with suicidal behavior in major depression. 2007 , 31, 78-85 Serum brain-derived neurotrophic factor level in dysthymia: a comparative study with major	195
886 885	Parent-of-origin effects in attention-deficit hyperactivity disorder. <i>Psychiatry Research</i> , 2007 , 149, 1-9 9.9 Low plasma BDNF is associated with suicidal behavior in major depression. 2007 , 31, 78-85 Serum brain-derived neurotrophic factor level in dysthymia: a comparative study with major depressive disorder. 2007 , 31, 1023-6 Effects of paroxetine or milnacipran on serum brain-derived neurotrophic factor in depressed	195 48

(2007-2007)

881	Measurements of brain-derived neurotrophic factor: methodological aspects and demographical data. 2007 , 73, 143-9	160
880	Glatiramer acetate could be a potential antidepressant through its neuroprotective and anti-inflammatory effects. 2007 , 69, 145-8	19
879	Consensus paper of the WFSBP Task Force on Biological Markers: biological markers in depression. 2007 , 8, 141-74	175
878	Intracellular signaling pathways pave roads to recovery for mood disorders. 2007 , 39, 531-44	49
877	Influence of endogenous and exogenous sex hormones on plasma brain-derived neurotrophic factor. 2007 , 22, 995-1002	175
876	Allelic differences in the brain-derived neurotrophic factor Val66Met polymorphism in late-life depression. 2007 , 15, 850-7	69
875	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
874	Insulin resistance and self-rated symptoms of depression in Swedish women with risk factors for diabetes: the Women's Health in the Lund Area study. 2007 , 56, 825-9	33
873	Decreased plasma brain derived neurotrophic factor levels in unmedicated bipolar patients during manic episode. 2007 , 61, 142-4	177
872	A role for MAP kinase signaling in behavioral models of depression and antidepressant treatment. 2007 , 61, 661-70	271
871	Brain-derived neurotrophic factor Val66Met and psychiatric disorders: meta-analysis of case-control studies confirm association to substance-related disorders, eating disorders, and schizophrenia. 2007 , 61, 911-22	338
870	The Val66Met polymorphism of the brain-derived neurotrophic factor gene is associated with psychotic feature and suicidal behavior in Japanese major depressive patients. 2007 , 144B, 1003-6	62
869	Social isolation increases number of newly proliferated cells in hippocampus in female flinders sensitive line rats. 2007 , 17, 1193-200	21
868	Is it time to reassess the BDNF hypothesis of depression?. 2007 , 12, 1079-88	317
867	Traumatic life events in bipolar disorder: impact on BDNF levels and psychopathology. 2007 , 9 Suppl 1, 128-35	112
866	Correlation between immune and neuronal parameters and stress perception in allergic asthmatics. 2008 , 38, 283-90	26
865	Reduced brain-derived neurotrophic factor is associated with a loss of serotonergic innervation in the hippocampus of aging mice. 2007 , 6, 482-90	56
864	Altered brain-derived neurotrophic factor blood levels and gene variability are associated with anorexia and bulimia. 2007 , 6, 706-16	67

863	Decreased plasma BDNF level in depressive patients. 2007, 101, 239-44	228
862	Neuroactive steroids modulate HPA axis activity and cerebral brain-derived neurotrophic factor (BDNF) protein levels in adult male rats. 2007 , 32, 1062-78	90
861	No association between the BDNF Val66Met polymorphism and mood status in a non-clinical community sample of 7389 older adults. 2007 , 41, 404-9	66
860	Increased BDNF serum concentration in fibromyalgia with or without depression or antidepressants. 2007 , 41, 600-5	79
859	Role of BDNF in bipolar and unipolar disorder: clinical and theoretical implications. 2007, 41, 979-90	236
858	Brain-derived neurotrophic factor (BDNF) and type 2 diabetes. 2007 , 50, 431-8	463
857	Corticosteroid-serotonin interactions in the neurobiological mechanisms of stress-related disorders. 2008 , 32, 1174-84	253
856	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
855	Plasma concentrations of brain-derived neurotrophic factor in patients undergoing minor surgery: a randomized controlled trial. 2008 , 33, 1325-31	12
854	Association study of theta EEG asymmetry and brain-derived neurotrophic factor gene variants in childhood-onset mood disorder. 2008 , 10, 343-55	11
853	Involvement of pituitary adenylate cyclase activating polypeptide (PACAP) and its receptors in the mechanism of antidepressant action. 2008 , 36, 330-8	35
852	Antidepressant-like activity of zinc: further behavioral and molecular evidence. 2008, 115, 1621-8	95
851	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
850	Genetic association study of BDNF in depression: finding from two cohort studies and a meta-analysis. 2008 , 147B, 814-21	72
849	Stress, depression, and neuroplasticity: a convergence of mechanisms. 2008 , 33, 88-109	1242
848	Brain foods: the effects of nutrients on brain function. 2008 , 9, 568-78	716
847	BDNF and the diseased nervous system: a delicate balance between adaptive and pathological processes of gene regulation. 2008 , 105, 1-17	120
846	Volumetric neuroimaging investigations in mood disorders: bipolar disorder versus major depressive disorder. 2008 , 10, 1-37	222

(2008-2008)

8	845	Decreased levels of serum brain-derived neurotrophic factor in both depressed and euthymic patients with unipolar depression and in euthymic patients with bipolar I and II disorders. 2008 , 10, 95-100	121
8	844	Neurobiology of addiction. An integrative review. 2008 , 75, 266-322	276
8	843	Plasma and serum brain-derived neurotrophic factor (BDNF) in depressed patients during 1 year of antidepressant treatments. 2008 , 105, 279-83	160
8	842	Whole blood BDNF levels in healthy twins discordant for affective disorder: association to life events and neuroticism. 2008 , 108, 165-9	28
8	841	Depression in Parkinson's disease: a double-blind, randomized, placebo-controlled pilot study of omega-3 fatty-acid supplementation. 2008 , 111, 351-9	133
8	840	Serum brain-derived neurotrophic factor levels in patients with major depression: effects of antidepressants. 2008 , 42, 521-5	125
8	839	Altered expression of neurotrophic factors in patients with major depression. 2008, 42, 1145-53	139
8	838	Brain-derived neurotrophic factor and its receptor tropomyosin-related kinase B in the mechanism of action of antidepressant therapies. 2008 , 117, 30-51	150
8	837	Ethanol-BDNF interactions: still more questions than answers. 2008 , 118, 36-57	112
8	836	A systematic review and meta-analysis of clinical studies on major depression and BDNF levels: implications for the role of neuroplasticity in depression. 2008 , 11, 1169-80	644
8	835	BDNF gene: functional Val66Met polymorphism in mood disorders and schizophrenia. 2008 , 9, 1589-93	81
8	834	Frontolimbic serotonin 2A receptor binding in healthy subjects is associated with personality risk factors for affective disorder. 2008 , 63, 569-76	177
8	833	Serum brain-derived neurotrophic factor, depression, and antidepressant medications: meta-analyses and implications. 2008 , 64, 527-32	891
8	832	Brain-derived neurotrophic factor and tyrosine kinase B receptor signalling in post-mortem brain of teenage suicide victims. 2008 , 11, 1047-61	133
8	831	Variations in the transcriptome of Alzheimer's disease reveal molecular networks involved in cardiovascular diseases. 2008 , 9, R148	78
8	830	Brain-derived neurotrophic factor gene expression in pediatric bipolar disorder: effects of treatment and clinical response. 2008 , 47, 1077-85	78
8	829	Blood level of brain-derived neurotrophic factor mRNA is progressively reduced in rodent models of Huntington's disease: restoration by the neuroprotective compound CEP-1347. 2008 , 39, 1-7	45
8	828	Influence of exercise on serum brain-derived neurotrophic factor concentrations in healthy human subjects. 2008 , 431, 62-5	184

827	Decreased serum brain-derived neurotrophic factor in trained men. 2008 , 437, 29-32	68
826	BDNF is a novel marker of cognitive function in ageing women: the DR's EXTRA Study. 2008 , 90, 596-603	237
825	Acute administration of ketamine induces antidepressant-like effects in the forced swimming test and increases BDNF levels in the rat hippocampus. 2008 , 32, 140-4	321
824	Stress at work alters serum brain-derived neurotrophic factor (BDNF) levels and plasma 3-methoxy-4-hydroxyphenylglycol (MHPG) levels in healthy volunteers: BDNF and MHPG as possible biological markers of mental stress?. 2008 , 32, 679-85	68
823	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
822	Investigation of serum BDNF levels in drug-naive patients with schizophrenia. 2008, 32, 1308-11	89
821	The role of BDNF and HPA axis in the neurobiology of burnout syndrome. 2008, 32, 1459-65	47
820	The BDNF Val66Met polymorphism affects amygdala activity in response to emotional stimuli: evidence from a genetic imaging study. 2008 , 42, 1554-9	98
819	Acute tryptophan depletion does not alter central or plasma brain-derived neurotrophic factor in the rat. 2008 , 18, 317-22	9
818	When blue turns to grey: do stress and depression accelerate cell aging?. 2008, 9, 2-5	19
818 817	When blue turns to grey: do stress and depression accelerate cell aging?. 2008, 9, 2-5 Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008, 40, 336-42	19
817		
817	Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008 , 40, 336-42	31
817	Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008 , 40, 336-42 Reelin Glycoprotein. 2008 , Plasma brain-derived neurotrophic factor as a peripheral marker for the action mechanism of	31
817 816 815	Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008, 40, 336-42 Reelin Glycoprotein. 2008, Plasma brain-derived neurotrophic factor as a peripheral marker for the action mechanism of antidepressants. 2008, 57, 194-9 A brain-derived neurotrophic factor (BDNF) haplotype is associated with antidepressant treatment	31 6 100
817 816 815	Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008, 40, 336-42 Reelin Glycoprotein. 2008, Plasma brain-derived neurotrophic factor as a peripheral marker for the action mechanism of antidepressants. 2008, 57, 194-9 A brain-derived neurotrophic factor (BDNF) haplotype is associated with antidepressant treatment outcome in mood disorders. 2008, 8, 101-12 Serum concentrations of nerve growth factor and brain-derived neurotrophic factor in depressed	31 6 100 68
817 816 815 814 813	Molecular assessment of depression from mRNAs in the peripheral leukocytes. 2008, 40, 336-42 Reelin Glycoprotein. 2008, Plasma brain-derived neurotrophic factor as a peripheral marker for the action mechanism of antidepressants. 2008, 57, 194-9 A brain-derived neurotrophic factor (BDNF) haplotype is associated with antidepressant treatment outcome in mood disorders. 2008, 8, 101-12 Serum concentrations of nerve growth factor and brain-derived neurotrophic factor in depressed patients before and after antidepressant treatment. 2008, 41, 66-71	31 6 100 68 95

(2009-2008)

809	Evidence of association between brain-derived neurotrophic factor gene and bipolar disorder. 2008 , 18, 267-74	47
808	Alterations in Neural Structures as Risk Factors for Depression. 2008, 37-61	
807	Adenylyl cyclase-cyclicAMP signaling in mood disorders: role of the crucial phosphorylating enzyme protein kinase A. 2008 , 4, 161-76	59
806	[Electroconvulsive therapy in major depression: current aspects]. 2009, 31 Suppl 1, S26-33	13
805	Ethnic differences in brain-derived neurotrophic factor Val66Met polymorphism in Croatian and Korean healthy participants. 2009 , 50, 43-8	68
804	Brain-derived neurotrophic factor: role in depression and suicide. 2009 , 5, 433-49	210
803	Early adversity and 5-HTT/BDNF genes: new evidence of gene-environment interactions on depressive symptoms in a general population. 2009 , 39, 1425-32	209
802	The BDNF Val66Met polymorphism impacts parahippocampal and amygdala volume in healthy humans: incremental support for a genetic risk factor for depression. 2009 , 39, 1831-9	132
801	When top-down meets bottom-up: auditory training enhances verbal memory in schizophrenia. 2009 , 35, 1132-41	153
800	High serum levels of leptin are associated with post-stroke depression. 2009 , 39, 1201-9	65
799	Edward F. Adolph distinguished lecture: muscle as an endocrine organ: IL-6 and other myokines. 2009 , 107, 1006-14	163
798	Neuropsychiatric disease and Toxoplasma gondii infection. 2009 , 16, 122-33	136
797	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
796	Changes in plasma levels of BDNF and NGF reveal a gender-selective vulnerability to early adversity in rhesus macaques. 2009 , 34, 172-180	55
795	The 3beta-hydroxysteroid dehydrogenase inhibitor trilostane shows antidepressant properties in mice. 2009 , 34, 644-59	18
794	The BDNF Val66Met polymorphism: relation to familiar risk of affective disorder, BDNF levels and salivary cortisol. 2009 , 34, 1380-9	43
793	The NGF saga: from animal models of psychosocial stress to stress-related psychopathology. 2009 , 30, 379-95	113

791	Variation in brain-derived neurotrophic factor (BDNF) gene is associated with symptoms of depression. 2009 , 115, 215-9	70
790	Brain derived neurotrophic factor Val66Met polymorphism, the five factor model of personality and hippocampal volume: Implications for depressive illness. 2009 , 30, 1246-56	72
789	Serum levels of brain-derived neurotrophic factor in comorbidity of depression and alcohol dependence. 2009 , 24, 409-13	33
788	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	4 ⁰
787	A proteomic analysis of the ventral hippocampus of rats subjected to maternal separation and escitalopram treatment. 2009 , 24, 569-86	39
786	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
785	Genetic and non-genetic influences on the development of co-occurring alcohol problem use and internalizing symptomatology in adolescence: a review. 2009 , 104, 1100-21	70
7 ⁸ 4	Evidence for a release of brain-derived neurotrophic factor from the brain during exercise. 2009 , 94, 1062-9	559
783	Role of exercise-induced brain-derived neurotrophic factor production in the regulation of energy homeostasis in mammals. 2009 , 94, 1153-60	165
7 ⁸ 2	The diseasome of physical inactivityand the role of myokines in musclefat cross talk. 2009 , 587, 5559-68	400
781	Interactions between BDNF Val66Met polymorphism and early life stress predict brain and arousal pathways to syndromal depression and anxiety. 2009 , 14, 681-95	430
78o	Lack of association between BDNF Val66Met gene polymorphism and late-onset depression in a Chinese Han population. 2009 , 21, 186-90	3
779	Kynurenine metabolites and inflammation markers in depressed patients treated with fluoxetine or counselling. 2009 , 36, 425-35	43
778	Brain-derived neurotrophic factor predicts mortality risk in older women. 2009 , 57, 1447-52	56
777	Bipolar and major depressive disorder: neuroimaging the developmental-degenerative divide. 2009 , 33, 699-771	383
776	Early life stress as a risk factor for mental health: role of neurotrophins from rodents to non-human primates. 2009 , 33, 573-85	170
775	Psychiatric vulnerability: suggestions from animal models and role of neurotrophins. 2009, 33, 525-36	61
774	Brain-derived neurotrophic factor, stress and depression: a minireview. 2009 , 78, 267-9	72

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773	major depression. 2009 , 80, 158-62		66
77²	Neuropeptides in depression: role of VGF. 2009 , 197, 262-78		69
771	Role of BDNF Val66Met functional polymorphism in Alzheimer's disease-related depression. 2009 , 30, 1406-12		62
770	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
769	Family-based association study between brain-derived neurotrophic factor gene and major depressive disorder of Chinese descent. <i>Psychiatry Research</i> , 2009 , 169, 169-72	9.9	14
768	The acute response of plasma brain-derived neurotrophic factor as a result of exercise in major depressive disorder. <i>Psychiatry Research</i> , 2009 , 169, 244-8	9.9	85
767	Effects of fluoxetine and venlafaxine on serum brain derived neurotrophic factor levels in depressed patients. 2009 , 33, 281-5		62
766	Reduced platelet BDNF level in patients with major depression. 2009 , 33, 849-53		90
765	Brain-derived neurotrophic factor plasma levels in patients suffering from post-traumatic stress disorder. 2009 , 33, 899-902		104
764	Peony glycosides produce antidepressant-like action in mice exposed to chronic unpredictable mild stress: effects on hypothalamic-pituitary-adrenal function and brain-derived neurotrophic factor. 2009 , 33, 1211-6		96
763	Acute harmine administration induces antidepressive-like effects and increases BDNF levels in the rat hippocampus. 2009 , 33, 1425-30		84
762	BDNF downregulates 5-HT(2A) receptor protein levels in hippocampal cultures. 2009 , 55, 697-702		25
761	Brain-derived neurotrophic factor serum levels before and after treatment for acute mania. 2009 , 452, 111-3		109
760	Neurotrophin receptor activation and expression in human postmortem brain: effect of suicide. 2009 , 65, 319-28		85
759	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
758	A brain-derived neurotrophic factor haplotype is associated with therapeutic response in obsessive-compulsive disorder. 2009 , 66, 674-80		33
757	Epigenetics in suicide and depression. 2009 , 66, 812-3		25
756	Brain-derived neurotrophic factor in patients with normal-tension glaucoma. 2009 , 80, 635-8		44

755	Daily variation of brain-derived neurotrophic factor and cortisol in women with normal menstrual cycles, undergoing oral contraception and in postmenopause. 2009 , 24, 2303-9	84
754	Low serum BDNF and food intake regulation: a possible new explanation of the pathophysiology of eating disorders. 2009 , 33, 312-6	46
753	P.2.a.004 A comparative study on alexithymia in depressive, somatoform, anxiety, and psychotic disorders among Koreans. 2009 , 19, S362-S363	
752	P.2.a.005 Serum BDNF levels correlate with hippocampal volumes in first episode, medication-free depressed patients. 2009 , 19, S363	
751	Influences of chronic venlafaxine, olanzapine and nicotine on the hippocampal and cortical concentrations of brain-derived neurotrophic factor (BDNF). 2009 , 61, 1017-23	54
750	The role of pharmacogenetics in the treatment of depression and anxiety disorders. 2009 , 24, 277-88	51
749	Reduced peripheral brain-derived neurotrophic factor mRNA levels are normalized by antidepressant treatment. 2010 , 13, 103-8	77
748	Peripheral brain-derived neurotrophic factor (BDNF) as a biomarker for affective disorders?. 2010 , 13, 1-4	47
747	Paroxetine increases brain-derived neurotrophic factor in postmenopausal women. 2010 , 17, 338-43	14
746	Sleep pathologies in depression and the clinical utility of polysomnography. 2010 , 55, 413-21	24
745	Expression and Role of the BDNF Receptor-TrkB in Rat Adrenal Gland under Acute Immobilization Stress. 2010 , 43, 139-47	22
744	Genetics of Bipolar Disorder. 2010 , 110-123	6
743	BDNF genotype moderates the relation between physical activity and depressive symptoms. 2010 , 29, 130-3	75
742	Inverse correlation of brain and blood BDNF levels in a genetic rat model of depression. 2010 , 13, 563-72	73
741	[Molecular biological aspects of neuroplasticity: approaches for treating tinnitus and hearing disorders]. 2010 , 58, 973-82	4
740	Correlation of serum BDNF levels with hippocampal volumes in first episode, medication-free depressed patients. 2010 , 260, 527-33	51
739	Genetic association of the interaction between the BDNF and GSK3B genes and major depressive disorder in a Chinese population. 2010 , 117, 393-401	38
738	Chronic administration of harmine elicits antidepressant-like effects and increases BDNF levels in rat hippocampus. 2010 , 117, 1131-7	60

737	Depressive-like parameters in sepsis survivor rats. 2010 , 17, 279-86	24
736	Mechanisms and applications of theta-burst rTMS on the human motor cortex. 2010 , 22, 294-306	143
735	Increased plasma levels of brain derived neurotrophic factor (BDNF) in patients with fibromyalgia. 2010 , 35, 830-4	46
734	Serotonergic functioning as measured by the loudness dependence of auditory evoked potentials is related to a haplotype in the brain-derived neurotrophic factor (BDNF) gene. 2010 , 44, 541-6	21
733	Nerve growth factor (NGF) has novel antidepressant-like properties in rats. 2010 , 94, 553-60	33
732	A preliminary association study between brain-derived neurotrophic factor (BDNF) haplotype and late-onset depression in mainland Chinese. 2010 , 120, 165-9	14
731	Electroconvulsive therapy-induced persistent retrograde amnesia: could it be minimised by ketamine or other pharmacological approaches?. 2010 , 126, 39-45	24
730	BDNF val66met polymorphism, white matter abnormalities and remission of geriatric depression. 2010 , 125, 262-8	82
729	Gene therapy in Alzheimer's disease - potential for disease modification. 2010 , 14, 741-57	45
728	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
727	Antidepressants are a rational complementary therapy for the treatment of Alzheimer's disease. 2010 , 5, 10	36
726	Meta-analysis of the BDNF Val66Met polymorphism in major depressive disorder: effects of gender and ethnicity. 2010 , 15, 260-71	341
725	Brain-derived neurotrophic factor as a biomarker for mood disorders: an historical overview and future directions. 2010 , 64, 341-57	281
724	Evolving refractory major depressive disorder diagnostic and treatment paradigms: toward closed-loop therapeutics. 2010 , 3, 7	24
723	The roles of BDNF in the pathophysiology of major depression and in antidepressant treatment. 2010 , 7, 231-5	289
722	Modeling SERT IBDNF interactions in brain disorders: single BDNF gene allele exacerbates brain monoamine deficiencies and increases stress abnormalities in serotonin transporter knock-out mice. 270-287	
721	Exercise treatment for bipolar disorder: potential mechanisms of action mediated through increased neurogenesis and decreased allostatic load. 2010 , 79, 87-96	44
720	Exercise-induced normalization of decreased BDNF serum concentration in elderly women with remitted major depression. 2010 , 13, 595-602	123

719	Peripheral BDNF produces antidepressant-like effects in cellular and behavioral models. 2010 , 35, 2378-91	287
718	The level of serum brain-derived neurotrophic factor is associated with the therapeutic efficacy of modified electroconvulsive therapy in Chinese patients with depression. 2010 , 26, 121-5	44
717	Altered production of brain-derived neurotrophic factor by peripheral blood immune cells in multiple sclerosis. 2010 , 16, 1178-88	25
716	Serum brain-derived neurotrophic factor in euthymic bipolar patients on prophylactic lithium therapy. 2010 , 62, 229-34	48
715	Decreased serum BDNF levels in patients with epileptic and psychogenic nonepileptic seizures. 2010 , 75, 1285-91	65
714	Behavioral Neuroscience of Drug Addiction. 2010 ,	1
713	Circulating levels of brain-derived neurotrophic factor: correlation with mood, cognition and motor function. 2010 , 4, 871-87	116
712	Endurance training enhances BDNF release from the human brain. 2010 , 298, R372-7	290
711	The role of exercise-induced myokines in muscle homeostasis and the defense against chronic diseases. 2010 , 2010, 520258	227
710	Changes of serum brain-derived neurotrophic factor in children with obstructive sleep apnoea-hypopnoea syndrome following adenotonsillectomy. 2010 , 38, 1942-51	13
709	Behavioural and neuroplastic effects of the new-generation antidepressant agomelatine compared to fluoxetine in glucocorticoid receptor-impaired mice. 2010 , 13, 759-74	89
708	Functional interactions between steroid hormones and neurotrophin BDNF. 2010 , 1, 133-43	54
707	Serum and plasma BDNF levels in major depression: a replication study and meta-analyses. 2010 , 11, 763-73	306
706	Neural substrates of psychostimulant withdrawal-induced anhedonia. 2010 , 3, 119-78	85
705	Decreased BDNF levels in CSF of drug-naive first-episode psychotic subjects: correlation with plasma BDNF and psychopathology. 2010 , 13, 535-9	185
704	Effects of SYJN, a Chinese herbal formula, on chronic unpredictable stress-induced changes in behavior and brain BDNF in rats. 2010 , 128, 336-41	29
703	The effect of depression, BDNF gene val66met polymorphism and gender on serum BDNF levels. 2010 , 81, 61-5	91
702	Effects of beta-carboline harmine on behavioral and physiological parameters observed in the chronic mild stress model: further evidence of antidepressant properties. 2010 , 81, 491-6	66

(2011-2010)

701	Neurochemical and behavioural effects of acute and chronic memantine administration in rats: Further support for NMDA as a new pharmacological target for the treatment of depression?. 2010 , 81, 585-9		87
700	Sensorimotor modulation of mood and depression: an integrative review. 2010 , 207, 249-64		53
699	Long-term treatment with peony glycosides reverses chronic unpredictable mild stress-induced depressive-like behavior via increasing expression of neurotrophins in rat brain. 2010 , 210, 171-7		79
698	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
697	Higher serum tropomyosin-related kinase B protein level in major depression. 2010 , 34, 610-2		11
696	Brain-derived neurotrophic factor gene and protein expression in pediatric and adult depressed subjects. 2010 , 34, 645-51		92
695	Behavioral and neurobiological consequences of prolonged glucocorticoid exposure in rats: relevance to depression. 2010 , 34, 777-90		181
694	Serum brain-derived neurotrophic factor predicts responses to escitalopram in chronic posttraumatic stress disorder. 2010 , 34, 1279-84		34
693	Differential regulation of neurotrophin S100B and BDNF in two rat models of depression. 2010 , 34, 1433-	9	54
692	Effect of antidepressants on brain-derived neurotrophic factor (BDNF) release from platelets in the rats. 2010 , 34, 1450-4		42
691	The BDNF Val66Met polymorphism and anxiety: support for animal knock-in studies from a genetic association study in humans. <i>Psychiatry Research</i> , 2010 , 179, 86-90	.9	99
690	Perimenopausal Postpartum Depression After Conception by Assisted Reproductive Technology. 2010 , 51, 345-348		1
689	Beneficial Effects of Tianeptine on Hippocampus-Dependent Long-Term Memory and Stress-Induced Alterations of Brain Structure and Function. 2010 , 3, 3143-3166		6
688	Neuroplasticity - exercise-induced response of peripheral brain-derived neurotrophic factor: a systematic review of experimental studies in human subjects. 2010 , 40, 765-801		503
687	The epigenetics of suicide: explaining the biological effects of early life environmental adversity. 2010 , 14, 291-310		49
686	Role of brain-derived neurotrophic factor in the aetiology of depression: implications for pharmacological treatment. 2010 , 24, 1-7		87
685	Volumetric MRI studies of the hippocampus in major depressive disorder: Meanings of inconsistency and directions for future research. 2010 , 11, 19-35		43
684	Brain-derived neurotrophic factor in human saliva: ELISA optimization and biological correlates. 2011 , 32, 18-30		19

683	Proteomic investigation of epigenetics in neuropsychiatric disorders: a missing link between genetics and behavior?. 2011 , 10, 58-65	20
682	Neuroimaging in geriatric psychiatry: integrative research as the next frontier. 2011 , 19, 1-3	2
681	Supplementation with eicosapentaenoic omega-3 fatty acid does not influence serum brain-derived neurotrophic factor in diabetes mellitus patients with major depression: a randomized controlled pilot study. 2011 , 63, 219-23	28
680	Depressive symptoms following interferon-therapy: mediated by immune-induced reductions in brain-derived neurotrophic factor?. 2011 , 14, 247-53	41
679	Molecular Basis of Health and Disease. 2011 ,	27
678	Translating potential biomarker candidates for schizophrenia and depression to animal models of psychiatric disorders. 2011 , 11, 721-33	11
677	BDNF gene polymorphisms are associated with Alzheimer's disease-related depression and antidepressant response. 2011 , 26, 523-30	33
676	Muscles and their myokines. 2011 , 214, 337-46	404
675	Depression and Alzheimer's disease: is stress the initiating factor in a common neuropathological cascade?. 2011 , 23, 177-93	69
674	Rapid antidepressant changes with sleep deprivation in major depressive disorder are associated with changes in vascular endothelial growth factor (VEGF): a pilot study. 2011 , 86, 129-33	32
673	Effects of BDNF polymorphisms on brain function and behavior in health and disease. 2011 , 86, 287-97	86
672	Exercise-induced myokines and their role in chronic diseases. 2011 , 25, 811-6	223
671	The G-712A polymorphism of brain-derived neurotrophic factor is associated with major depression but not schizophrenia. 2011 , 489, 34-7	27
670	Olanzapine plus fluoxetine treatment increases Nt-3 protein levels in the rat prefrontal cortex. 2011 , 497, 99-103	12
669	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
668	Pain, sensory function, and neurogenic inflammatory response in young women with low mood. 2011 , 70, 241-9	6
667	The prefrontal-limbic network in depression: Modulation by hypothalamus, basal ganglia and midbrain. 2011 , 93, 468-87	55
666	Sympathetic influence on cerebral blood flow and metabolism during exercise in humans. 2011 , 95, 406-26	73

665	Animal models of depression and anxiety: What do they tell us about human condition?. 2011, 35, 1357	7-75	96
664	The brain-derived neurotrophic factor (BDNF) polymorphism Val66Met is associated with neither serum BDNF level nor response to selective serotonin reuptake inhibitors in depressed Japanese patients. 2011 , 35, 1022-5		53
663	Serum BDNF levels before treatment predict SSRI response in depression. 2011 , 35, 1623-30		108
662	The functional BDNF Val66Met polymorphism affects functions of pre-attentive visual sensory memory processes. 2011 , 60, 467-71		26
661	Mecamylamine attenuates dexamethasone-induced anxiety-like behavior in association with brain derived neurotrophic factor upregulation in rat brains. 2011 , 61, 276-82		19
660	Propofol pretreatment increases antidepressant-like effects induced by acute administration of ketamine in rats receiving forced swimming test. <i>Psychiatry Research</i> , 2011 , 185, 248-53	9.9	24
659	Relationships between stress, social adaptation, personality traits, brain-derived neurotrophic factor and 3-methoxy-4-hydroxyphenylglycol plasma concentrations in employees at a publishing company in Japan. <i>Psychiatry Research</i> , 2011 , 186, 326-32	9.9	26
658	The role of NGF and IL-2 serum level in assisting the diagnosis in first episode schizophrenia. <i>Psychiatry Research</i> , 2011 , 189, 72-6	9.9	38
657	Serum brain-derived neurotrophic factor and glucocorticoid receptor levels in lymphocytes as markers of antidepressant response in major depressive patients: a pilot study. <i>Psychiatry Research</i> , 2011 , 189, 239-45	9.9	34
656	[Can we identify biomarkers in bipolar depression? From imaging to biology]. 2011 , 37 Suppl 3, S185-90)	1
656 655	[Can we identify biomarkers in bipolar depression? From imaging to biology]. 2011 , 37 Suppl 3, S185-90 Thegenetic basis of child and adolescent anxiety. 161-178)	9
)	
655	Thegenetic basis of child and adolescent anxiety. 161-178 Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with)	9
655 654	Thegenetic basis of child and adolescent anxiety. 161-178 Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. 2011, 2, 73 Interaction between CRHR1 and BDNF genes increases the risk of recurrent major depressive		9
655 654 653	Thegenetic basis of child and adolescent anxiety. 161-178 Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. 2011, 2, 73 Interaction between CRHR1 and BDNF genes increases the risk of recurrent major depressive disorder in Chinese population. 2011, 6, e28733		9 62 27
655654653652	Thegenetic basis of child and adolescent anxiety. 161-178 Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. 2011, 2, 73 Interaction between CRHR1 and BDNF genes increases the risk of recurrent major depressive disorder in Chinese population. 2011, 6, e28733 Brain-derived neurotrophic factor as a biomarker in primary open-angle glaucoma. 2011, 88, 80-5 Gastrodiae Rhizoma (tifi m) a review of biological activity and antidepressant mechanisms. 2011,		9 62 27 45
655 654 653 652	Thegenetic basis of child and adolescent anxiety. 161-178 Neurosteroids reduce social isolation-induced behavioral deficits: a proposed link with neurosteroid-mediated upregulation of BDNF expression. 2011, 2, 73 Interaction between CRHR1 and BDNF genes increases the risk of recurrent major depressive disorder in Chinese population. 2011, 6, e28733 Brain-derived neurotrophic factor as a biomarker in primary open-angle glaucoma. 2011, 88, 80-5 Gastrodiae Rhizoma (tili m) a review of biological activity and antidepressant mechanisms. 2011, 1, 31-40 How Can Stress Alter Emotional Balance Through Its Interaction with the Serotonergic System?.		9 62 27 45

647	The GABAergic deficit hypothesis of major depressive disorder. 2011 , 16, 383-406	515
646	Serum levels of brain-derived neurotrophic factor in major depressive disorder: state-trait issues, clinical features and pharmacological treatment. 2011 , 16, 1088-95	313
645	Decreased serum BDNF levels in major depressive patients. 2011 , 17, 84-88	6
644	Plasma brain-derived neurotrophic factor concentrations in children and adolescents. 2011 , 45, 205-11	44
643	Effects of serum Brain Derived Neurotrophic Factor on exercise augmentation treatment of depression. 2011 , 45, 1301-6	63
642	Determinants of serum brain-derived neurotrophic factor. 2011 , 36, 228-39	206
641	Brain-derived neurotrophic factor plasma variation during the different phases of the menstrual cycle in women with premenstrual syndrome. 2011 , 36, 523-30	57
640	A novel BDNF polymorphism affects plasma protein levels in interaction with early adversity in rhesus macaques. 2011 , 36, 372-9	15
639	Strain differences in the neurochemical response to chronic restraint stress in the rat: relevance to depression. 2011 , 97, 690-9	63
638	Alcohol induced depressive-like behavior is associated with a reduction in hippocampal BDNF. 2011 , 100, 253-8	55
637	Brain-derived neurotrophic factor and serotonin transporter gene-linked promoter region genes alter serum levels of brain-derived neurotrophic factor in humans. 2011 , 128, 299-304	35
636	Correlations between brain-derived neurotrophic factor and clinical symptoms in medicated patients with major depression. 2011 , 135, 332-5	46
635	[Frailty: a phenotype under review]. 2011 , 25 Suppl 2, 51-8	11
634	Genetic association of the Phosphoinositide-3 kinase in schizophrenia and bipolar disorder and interaction with a BDNF gene polymorphism. 2011 , 1, 119-24	19
633	Functional biomarkers of depression: diagnosis, treatment, and pathophysiology. 2011 , 36, 2375-94	305
632	[Epigenetic mechanisms in major depression]. 2011 , 82, 1431-2, 1434-8	2
631	Changes in plasma and platelet BDNF levels induced by S-citalopram in major depression. 2011 , 216, 1-8	50
630	Low serum BDNF may indicate the development of PSD in patients with acute ischemic stroke. 2011 , 26, 495-502	62

629	neurotrophic factor levels in patients with major depressive disorder. 2011 , 26, 194-200	15
628	Altering BDNF expression by genetics and/or environment: impact for emotional and depression-like behaviour in laboratory mice. 2011 , 35, 599-611	89
627	The neurotrophins and their role in Alzheimer's disease. 2011 , 9, 559-73	100
626	The role of the PACAP signaling system in depression. 2011 , 17, 990-1001	22
625	Promoting adult hippocampal neurogenesis: a novel strategy for antidepressant drug screening. 2011 , 18, 4359-67	18
624	Decreased serum brain-derived neurotrophic factor (BDNF) is associated with post-stroke depression but not with BDNF gene Val66Met polymorphism. 2011 , 49, 185-9	52
623	Symptom dimensional approach and BDNF in unmedicated obsessive-compulsive patients: an exploratory study. 2011 , 16, 179-89	15
622	The recent understanding of the neurotrophin's role in skeletal muscle adaptation. 2011 , 2011, 201696	70
621	Selectively bred rodents as models of depression and anxiety. 2012 , 12, 139-87	34
620	Examination of Org 26576, an AMPA receptor positive allosteric modulator, in patients diagnosed with major depressive disorder: an exploratory, randomized, double-blind, placebo-controlled trial. 2012 , 26, 1525-39	54
619	A standardized chinese herbal decoction, kai-xin-san, restores decreased levels of neurotransmitters and neurotrophic factors in the brain of chronic stress-induced depressive rats. 2012 , 2012, 149256	31
618	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
617	On communication between gut microbes and the brain. 2012 , 28, 557-62	90
616	Serum levels of brain-derived neurotrophic factor (BDNF), BDNF gene Val66Met polymorphism, or plasma catecholamine metabolites, and response to mirtazapine in Japanese patients with major depressive disorder (MDD). 2012 , 17, 155-63	34
615	Interaction between the BDNF gene Val/66/Met polymorphism and morning cortisol levels as a predictor of depression in adult women. 2012 , 201, 313-9	21
614	Serum brain-derived neurotrophic factor, vascular endothelial growth factor and leptin levels in patients with a diagnosis of severe major depressive disorder with melancholic features. 2012 , 2, 65-74	36
613	Plasma biomarkers of depressive symptoms in older adults. 2012 , 2, e65	39
612	Serum protein levels of brain-derived neurotrophic factor and tropomyosin-related kinase B in bipolar disorder: effects of mood stabilizers. 2012 , 65, 65-9	16

611	Altered balance of proteolytic isoforms of pro-brain-derived neurotrophic factor in autism. 2012 , 71, 289-97		68
610	Role of stress-related brain-derived neurotrophic factor (BDNF) in the rat submandibular gland. 2012 , 45, 261-7		15
609	Decreased levels of brain-derived neurotrophic factor in the remitted state of unipolar depressive disorder. 2012 , 126, 157-64		11
608	Epigenetic alterations related to early-life stressful events. 2012 , 24, 255-65		8
607	Dynamic changes in DNA methylation of stress-associated genes (OXTR, BDNF) after acute psychosocial stress. 2012 , 2, e150		180
606	Upregulated mRNA levels of SERT, NET, MAOB, and BDNF in various brain regions of ovariectomized rats exposed to chronic aversive stimuli. 2013 , 375, 49-58		13
605	Brain-derived neurotrophic factor gene polymorphisms, neurotransmitter levels, and depressive symptoms in an elderly population. 2012 , 34, 1529-41		16
604	Recovery of low plasma BDNF over the course of treatment among patients with bulimia nervosa. <i>Psychiatry Research</i> , 2012 , 198, 448-51	9.9	9
603	Decreased plasma brain-derived neurotrophic factor levels in institutionalized elderly with depressive disorder. 2012 , 13, 434-7		22
602	Serum brain-derived neurotrophic factor: determinants and relationship with depressive symptoms in a community population of middle-aged and elderly people. 2012 , 13, 39-47		80
601	[Clinical Applications of Peripheral Markers of Response in Antidepressant Treatment: Neurotrophins and Cytokines]. 2012 , 41, 165-84		1
600	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
599	Sleep homeostasis and depression: studies with the rat clomipramine model of depression. 2012 , 212, 149-58		20
598	Neuroprotective and neurogenesis agent for treating bipolar II disorder: add-on memantine to mood stabilizer works. 2012 , 79, 280-3		9
597	Do levels of brain-derived neurotrophic factor (BDNF) in plasma correlate with psychopathology in healthy subjects?. 2012 , 512, 72-7		10
596	Depression, the Val66Met polymorphism, age, and gender influence the serum BDNF level. 2012 , 46, 1118-25		54
595	Cognitive functions and serum levels of brain-derived neurotrophic factor in patients with major depressive disorder. 2012 , 88, 454-9		50
594	Reprint of: Effects of BDNF polymorphisms on brain function and behavior in health and disease. 2012 , 88, 406-17		3

(2012-2012)

593	Curcumin produces antidepressant effects via activating MAPK/ERK-dependent brain-derived neurotrophic factor expression in the amygdala of mice. 2012 , 235, 67-72	69
592	Variant brain-derived neurotrophic factor (Valine66Methionine) polymorphism contributes to developmental and estrous stage-specific expression of anxiety-like behavior in female mice. 2012 , 72, 499-504	72
591	Divergent effects of lithium and sodium valproate on brain-derived neurotrophic factor (BDNF) production in human astrocytoma cells at therapeutic concentrations. 2012 , 39, 17-22	18
590	Altered serum content of brain-derived neurotrophic factor isoforms in multiple sclerosis. 2012 , 320, 161-5	19
589	Influence of BDNF variants on diagnosis and response to treatment in patients with major depression, bipolar disorder and schizophrenia. 2012 , 65, 1-11	46
588	Gender specific associations of serum levels of brain-derived neurotrophic factor in anxiety. 2012 , 13, 535-43	40
587	Functional Neuroimaging in Exercise and Sport Sciences. 2012 ,	10
586	Brain-derived neurotrophic factor and exercise in fibromyalgia syndrome patients: a mini review. 2012 , 32, 2593-9	34
585	Vagal nerve stimulation rapidly activates brain-derived neurotrophic factor receptor TrkB in rat brain. 2012 , 7, e34844	57
584	Plasma brain-derived neurotrophic factor levels predict the clinical outcome of depression treatment in a naturalistic study. 2012 , 7, e39212	53
583	Effects of electroconvulsive therapy and repetitive transcranial magnetic stimulation on serum brain-derived neurotrophic factor levels in patients with depression. 2012 , 3, 12	51
582	Analysis of genetic polymorphisms of brain-derived neurotrophic factor and methylenetetrahydrofolate reductase in depressed patients in a Slovak (Caucasian) population. 2012 , 31, 415-22	12
581	Post-Myocardial Infarction Depression. 2012,	1
580	Phytochemicals as Antidepressants: The Involvement of Serotonin Receptor Function, Stress Resistance and Neurogenesis. 2012 ,	2
579	Thegenetics of major depression. 212-229	
578	Memory mood congruency phenomenon in bipolar I disorder and major depression disorder patients. 2012 , 45, 856-61	3
577	Imipramine treatment reverses depressive-like behavior in alloxan-diabetic rats. 2012 , 28, 139-44	22
576	The brain-derived neurotrophic-factor (BDNF) val66met polymorphism is associated with geriatric depression: a meta-analysis. 2012 , 159B, 560-6	44

575	Duration of last depressive episode may influence serum BDNF levels in remitted patients with major depression. 2012 , 29, 775-9	10
574	[The development of depression: the role of brain-derived neurotrophic factor]. 2012, 83, 869-77	7
573	Negative affectivity moderated by BDNF and stress response. 2012 , 136, 767-74	25
572	From depressive symptoms to depression in people with epilepsy: contribution of physical exercise to improve this picture. 2012 , 99, 1-13	23
571	Serum brain-derived neurotrophic factor level in relation to illness severity and episode duration in patients with major depression. 2012 , 46, 285-9	36
57°	Lamotrigine treatment reverses depressive-like behavior and alters BDNF levels in the brains of maternally deprived adult rats. 2012 , 101, 348-53	23
569	Brain Derived Neurotrophic Factor: a novel neurotrophin involved in psychiatric and neurological disorders. 2012 , 134, 116-24	94
568	Brain-derived neurotrophic factor in post-partum depressive mothers. 2012 , 37, 583-7	31
567	The neuroprogressive nature of major depressive disorder: pathways to disease evolution and resistance, and therapeutic implications. 2013 , 18, 595-606	338
566	Voices from within: gut microbes and the CNS. 2013 , 70, 55-69	233
566 565	Voices from within: gut microbes and the CNS. 2013 , 70, 55-69 The Role of Neurotrophins in Major Depressive Disorder. 2013 , 4, 46-58	² 33
565	The Role of Neurotrophins in Major Depressive Disorder. 2013 , 4, 46-58	74
565 564	The Role of Neurotrophins in Major Depressive Disorder. 2013 , 4, 46-58 Virginia Woolf and Neuropsychiatry. 2013 ,	74
565564563	The Role of Neurotrophins in Major Depressive Disorder. 2013, 4, 46-58 Virginia Woolf and Neuropsychiatry. 2013, Luteal serum BDNF and HSP70 levels in women with premenstrual dysphoric disorder. 2013, 263, 685-93 Brain-derived neurotrophic factor in neuroimmunology: lessons learned from multiple sclerosis	74 3 8
565564563562	The Role of Neurotrophins in Major Depressive Disorder. 2013, 4, 46-58 Virginia Woolf and Neuropsychiatry. 2013, Luteal serum BDNF and HSP70 levels in women with premenstrual dysphoric disorder. 2013, 263, 685-93 Brain-derived neurotrophic factor in neuroimmunology: lessons learned from multiple sclerosis patients and experimental autoimmune encephalomyelitis models. 2013, 61, 95-105 Serum neurotrophic factors in adolescent depression: gender difference and correlation with	74 3 8 27
565564563562561	The Role of Neurotrophins in Major Depressive Disorder. 2013, 4, 46-58 Virginia Woolf and Neuropsychiatry. 2013, Luteal serum BDNF and HSP70 levels in women with premenstrual dysphoric disorder. 2013, 263, 685-93 Brain-derived neurotrophic factor in neuroimmunology: lessons learned from multiple sclerosis patients and experimental autoimmune encephalomyelitis models. 2013, 61, 95-105 Serum neurotrophic factors in adolescent depression: gender difference and correlation with clinical severity. 2013, 150, 415-23 Honokiol reverses depressive-like behavior and decrease in brain BDNF levels induced by chronic	74 3 8 27 49

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557	symptoms in elderly womena randomized clinical trial. 2013 , 94, 1443-50		51
556	Mechanisms and pathways underlying the therapeutic effect of transcranial magnetic stimulation. 2013 , 24, 507-25		16
555	Association between plasma brain-derived neurotrophic factor levels and personality traits in healthy Japanese subjects. <i>Psychiatry Research</i> , 2013 , 210, 220-3	9.9	9
554	Type II pyrethroid deltamethrin produces antidepressant-like effects in mice. 2013, 257, 182-8		15
553	Modeling of the hypothalamic-pituitary-adrenal axis-mediated interaction between the serotonin regulation pathway and the stress response using a Boolean approximation: a novel study of depression. 2013 , 10, 59		13
552	Functional Val66Met polymorphism of Brain-derived neurotrophic factor in type 2 diabetes with depression in Han Chinese subjects. 2013 , 9, 34		22
551	Role of epigenetics in Rett syndrome. 2013 , 5, 583-92		16
550	Prognostic Significance of Blood Brain-Derived Neurotrophic Factor (BDNF) in the Treatment of Various Functional and Organic Nervous System Diseases with Adaptol. 2013 , 43, 869-873		
549	Response to psychotherapy in borderline personality disorder and methylation status of the BDNF gene. 2013 , 3, e207		223
548	Brain-derived neurotrophic factor gene variants and Alzheimer disease: an association study in an Alzheimer disease Italian population. 2013 , 16, 57-66		17
547	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
546	Brain-derived neurotrophic factor and its relation to leptin in obese children before and after weight loss. 2013 , 62, 226-34		49
545	Potential therapeutic uses of mecamylamine and its stereoisomers. 2013 , 108, 28-43		31
544	Neotrofin reverses the effects of chronic unpredictable mild stress on behavior via regulating BDNF, PSD-95 and synaptophysin expression in rat. 2013 , 253, 48-53		39
543	Depressed Adolescents Treated with Exercise (DATE): A pilot randomized controlled trial to test feasibility and establish preliminary effect sizes. 2013 , 6, 119-119		57
542	Additional ECT increases BDNF-levels in patients suffering from major depressive disorders compared to patients treated with citalopram only. 2013 , 47, 908-15		57
541	Serum level of brain-derived neurotrophic factor in fibromyalgia syndrome correlates with depression but not anxiety. 2013 , 62, 281-6		24
540	Maternal generalized anxiety disorder during pregnancy and fetal brain development: a comparative study on cord blood brain-derived neurotrophic factor levels. 2013 , 75, 346-50		27

539	Decreased serum brain-derived neurotrophic factor levels are correlated with exercise intolerance in patients with heart failure. 2013 , 168, e142-4	30
538	How olfaction disorders can cause depression? The role of habenular degeneration. 2013 , 240, 63-9	36
537	Stress effects on BDNF expression: effects of age, sex, and form of stress. 2013 , 239, 149-56	118
536	Concomitant BDNF and sleep slow wave changes indicate ketamine-induced plasticity in major depressive disorder. 2013 , 16, 301-11	141
535	Antidepressant-like effect of flaxseed secoisolariciresinol diglycoside in ovariectomized mice subjected to unpredictable chronic stress. 2013 , 28, 77-84	22
534	Steroid hormones and BDNF. 2013 , 239, 271-9	102
533	Upregulation of blood proBDNF and its receptors in major depression. 2013, 150, 776-84	95
532	Involvement of brain-derived neurotrophic factor in late-life depression. 2013 , 21, 433-49	50
531	Molecular mechanisms of depression: perspectives on new treatment strategies. 2013, 31, 761-77	238
530	Effects of inhaled (S)-linalool on hypothalamic gene expression in rats under restraint stress. 2013 , 77, 2413-8	6
529	[Nature meets nurture: the importance of epigenetics for the aetiology of psychiatric diseases]. 2013 , 81, 368-80	4
528	Antidepressants and anti-inflammatory drugs differentially reduce the release of NGF and BDNF from rat platelets. 2013 , 46, 29-34	26
527	Positive therapeutic and neurotropic effects of yoga in depression: A comparative study. 2013 , 55, S400-4	50
526	Effect of BDNF Val66Met and serotonin transporter 5-HTTLPR polymorphisms on psychopathological characteristics in a sample of university students. 2013 , 23, 188-97	5
525	Rapid and Sensitive Detection of Brain-Derived Neurotrophic Factor with a Plasmonic Chip. 2013 , 52, 06GK01	6
524	Electroconvulsive therapy improves clinical manifestation with plasma BDNF levels unchanged in treatment-resistant depression patients. 2013 , 68, 110-5	23
523	Changes of serum concentrations of brain-derived neurotrophic factor (BDNF) during treatment with venlafaxine and mirtazapine: role of medication and response to treatment. 2013 , 46, 54-8	42
522	Antidepressant therapy in epilepsy: can treating the comorbidities affect the underlying disorder?. 2013 , 168, 1531-54	64

(2014-2013)

521	Captodiamine, a putative antidepressant, enhances hypothalamic BDNF expression in vivo by synergistic 5-HT2c receptor antagonism and sigma-1 receptor agonism. 2013 , 27, 930-9	13
520	Decreased plasma concentrations of brain-derived neurotrophic factor (BDNF) in patients with functional hypothalamic amenorrhea. 2013 , 29, 817-20	9
519	Age-modulated association between prefrontal NAA and the BDNF gene. 2013, 16, 1185-93	4
518	Single-nucleotide polymorphisms in TrkB and risk for depression: findings from the women's interagency HIV study. 2013 , 64, 138-41	10
517	Skeletal muscle: an endocrine organ. 2013 , 10, 11-4	91
516	Depression im Kindesalter als Psychosomatose der Emotionsregulierung. 2013 , 62, 793-812	1
515	Alterations of serum levels of BDNF-related miRNAs in patients with depression. 2013, 8, e63648	117
514	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
513	Interplay between pro-inflammatory cytokines and growth factors in depressive illnesses. 2013, 7, 68	64
512	The neural plasticity theory of depression: assessing the roles of adult neurogenesis and PSA-NCAM within the hippocampus. 2013 , 2013, 805497	104
511	Neurobiology of major depressive disorder. 2013 , 2013, 873278	69
510	Biological Markers and Genetic Factors of Major Depressive Disorder. 2013 ,	
509	Long-Term Adaptive Changes Induced by Antidepressants: From Conventional to Novel Therapies. 2013 ,	
508	Effects of fluoxetine on brain-derived neurotrophic factor serum concentration and cognition in patients with vascular dementia. 2014 , 9, 411-8	26
507	Decreased plasma brain-derived neurotrophic factor and vascular endothelial growth factor concentrations during military training. 2014 , 9, e89455	25
506	Involvement of the BDNF gene in loneliness in adolescence: a report of opposite gene effects in boys and girls. 2014 , 9, e92768	8
505	The Brain Derived Neurotrophic Factor and Personality. 2014 , 2014, 1-15	12
504	A large, cross-sectional observational study of serum BDNF, cognitive function, and mild cognitive impairment in the elderly. 2014 , 6, 69	96

503	Relationships between brain-derived neurotrophic factor, clinical symptoms, and decision-making in chronic schizophrenia: data from the Iowa Gambling Task. 2014 , 8, 417	18
502	BDNF–TrkB signaling as a therapeutic target in neuropsychiatric disorders. 2014 , 61	1
501	Alteration in brain-derived neurotrophic factor (BDNF) after treatment of mice with herbal mixture containing Euphoria longana, Houttuynia cordata and Dioscorea japonica. 2014 , 22, 77	6
500	Brain-derived neurotrophic factor as a suicide factor in mental disorders. 2014 , 26, 356-63	22
499	Cognitive function and plasma BDNF levels among manganese-exposed smelters. 2014 , 71, 189-94	26
498	Serum brain-derived neurotrophic factor levels in epilepsy. 2014 , 21, 57-64	28
497	The Biological Actions and Mechanisms of Brain-Derived Neurotrophic Factor in Healthy and Disordered Brains. 2014 , 05, 183-195	4
496	The Association of BDNF Val66Met Polymorphism With Trait Anxiety in Panic Disorder. 2014 , 26, 344-51	5
495	Can BDNF and IL-2 be indicators for the diagnosis in schizophrenic patients with depressive symptoms?. 2014 , 26, 291-7	9
494	ECT: its brain enabling effects: a review of electroconvulsive therapy-induced structural brain plasticity. 2014 , 30, 143-51	89
493	Maternal prenatal anxiety and child brain-derived neurotrophic factor (BDNF) genotype: effects on internalizing symptoms from 4 to 15 years of age. 2014 , 26, 1255-66	40
492	A possible link between food and mood: dietary impact on gut microbiota and behavior in BALB/c mice. 2014 , 9, e103398	103
491	EB and major depression: a review. 2014 , 26, 178-85	15
490	Effects of deep repetitive transcranial magnetic stimulation on brain-derived neurotrophic factor serum concentration in healthy volunteers. 2014 , 69, 112-9	7
489	Blood levels of brain derived neurotrophic factor in women with bipolar disorder and healthy control women. 2014 , 156, 214-8	12
488	Serum BDNF concentrations as peripheral manifestations of depression: evidence from a systematic review and meta-analyses on 179 associations (N=9484). 2014 , 19, 791-800	42 0
487	Synaptic regulation of affective behaviors; role of BDNF. 2014 , 76 Pt C, 684-95	72
486	High baseline BDNF serum levels and early psychopathological improvement are predictive of treatment outcome in major depression. 2014 , 231, 2955-65	49

485	2D-DIGE proteome analysis on the platelet proteins of patients with major depression. 2014 , 12, 1	35
484	MicroRNA expression profile and functional analysis reveal that miR-206 is a critical novel gene for the expression of BDNF induced by ketamine. 2014 , 16, 594-605	44
483	Brain-derived neurotrophic factor signalling mediates the antidepressant-like effect of piperine in chronically stressed mice. 2014 , 261, 140-5	66
482	Effect of cognitive training on the expression of brain-derived neurotrophic factor in lymphocytes of mild cognitive impairment patients. 2014 , 17, 235-8	10
481	GSK3DCREB, and BDNF in peripheral blood of patients with Alzheimer's disease and depression. 2014 , 50, 83-93	93
480	The neurobiological bases of memory formation: from physiological conditions to psychopathology. 2014 , 47, 347-56	26
479	Effects of curcumin on chronic, unpredictable, mild, stress-induced depressive-like behaviour and structural plasticity in the lateral amygdala of rats. 2014 , 17, 793-806	76
478	Association of foetal APGAR and maternal brain derived neurotropic factor levels in postpartum depression. 2014 , 11, 82-3	4
477	Phencyclidine rapidly decreases neuronal mRNA of brain-derived neurotrophic factor. 2014 , 68, 257-65	10
476	Advancements of Mass Spectrometry in Biomedical Research. 2014,	4
476 475	Advancements of Mass Spectrometry in Biomedical Research. 2014, Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014, 740, 337-45	73
	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like	
475	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014 , 740, 337-45 Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder.	73
475 474	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014 , 740, 337-45 Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder. 2014 , 57, 117-24	73
475 474 473	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014, 740, 337-45 Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder. 2014, 57, 117-24 Depressive symptoms and cognitive performance in older adults. 2014, 57, 149-56 Antidepressants that inhibit both serotonin and norepinephrine reuptake impair long-term	73 33 71
475 474 473 472	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014, 740, 337-45 Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder. 2014, 57, 117-24 Depressive symptoms and cognitive performance in older adults. 2014, 57, 149-56 Antidepressants that inhibit both serotonin and norepinephrine reuptake impair long-term potentiation in hippocampus. 2014, 231, 4429-41 What keeps a body moving? The brain-derived neurotrophic factor val66met polymorphism and	73 33 71 11
475 474 473 472 471	Protective effect of mangiferin against lipopolysaccharide-induced depressive and anxiety-like behaviour in mice. 2014, 740, 337-45 Electroconvulsive therapy and aerobic exercise training increased BDNF and ameliorated depressive symptoms in patients suffering from treatment-resistant major depressive disorder. 2014, 57, 117-24 Depressive symptoms and cognitive performance in older adults. 2014, 57, 149-56 Antidepressants that inhibit both serotonin and norepinephrine reuptake impair long-term potentiation in hippocampus. 2014, 231, 4429-41 What keeps a body moving? The brain-derived neurotrophic factor val66met polymorphism and intrinsic motivation to exercise in humans. 2014, 37, 1180-92	73 33 71 11 20

467	BDNF in late-life depression: effect of SSRI usage and interaction with childhood abuse. 2014 , 43, 81-9	13
466	Interaction between serum BDNF and aerobic fitness predicts recognition memory in healthy young adults. 2014 , 259, 302-12	63
465	Multiplex immunoassay analysis of plasma shows prominent upregulation of growth factor activity pathways linked to GSK3Isignaling in bipolar patients. 2014 , 156, 139-43	27
464	Effects of lithium and valproic acid on BDNF protein and gene expression in an in vitro human neuron-like model of degeneration. 2014 , 28, 964-72	18
463	Effects of electroconvulsive therapy on serum levels of brain-derived neurotrophic factor and nerve growth factor in treatment resistant major depression. 2014 , 104, 82-7	31
462	The Effects of 12 Weeks Regular Aerobic Exercise on Brain-derived Neurotrophic Factor and Inflammatory Factors in Juvenile Obesity and Type 2 Diabetes Mellitus. 2014 , 26, 1199-204	40
461	New insight in expression, transport, and secretion of brain-derived neurotrophic factor: Implications in brain-related diseases. 2014 , 5, 409-28	111
460	Early-life adversity and adolescent depression: mechanisms involving the ventral striatum. 2015 , 20, 337-45	31
459	NCAM-deficient mice show prominent abnormalities in serotonergic and BDNF systems in brain - Restoration by chronic amitriptyline. 2015 , 25, 2394-403	7
458	Blunted behavioral and molecular responses to chronic mild stress in adult rats with experience of infancy maternal separation. 2015 , 235, 81-7	14
457	Molecular, Biochemical, and Physiological Basis of Beneficial Actions of Exercise. 2015 , 183-204	
456	Exercise, Neuroplasticity, and Growth Factors in Adolescence. 2015 , 323-337	1
455	Peripheral brain-derived neurotrophic factor (BDNF) as a biomarker in bipolar disorder: a meta-analysis of 52 studies. 2015 , 13, 289	176
454	The relationship between brain-derived neurotrophic factor and cognitive functions in alcohol-dependent patients: a preliminary study. 2015 , 14, 30	4
453	Epigenetic alterations following early postnatal stress: a review on novel aetiological mechanisms of common psychiatric disorders. 2015 , 7, 122	96
452	Association between BDNF levels and suicidal behaviour: a systematic review and meta-analysis. 2015 , 4, 187	27
451	Subchronic administration of riparin III induces antidepressive-like effects and increases BDNF levels in the mouse hippocampus. 2015 , 29, 394-403	25
450	Serum BDNF: A Potential Biomarker for Major Depressive Disorder and Antidepressant Response Prediction. 2015 , 04,	3

(2015-2015)

449	Pilot Study and Review: Physiological Differences in BDNF, a Potential Biomarker in Males and Females with Autistic Disorder. 2015 , 3, 19-26	10
448	Bridging the Gap between Genes and Behavior: Brain-Derived Neurotrophic Factor and the mTOR Pathway in Idiopathic Autism. 2015 , 05,	4
447	DNA methylation and single nucleotide variants in the brain-derived neurotrophic factor (BDNF) and oxytocin receptor (OXTR) genes are associated with anxiety/depression in older women. 2015 , 6, 230	56
446	Research on the Pathological Mechanism and Drug Treatment Mechanism of Depression. 2015 , 13, 514-23	49
445	Association of serum BDNF concentration with high-intensity interval training. 2015, 64, 227-232	2
444	A Review of Biomarkers in Mood and Psychotic Disorders: A Dissection of Clinical vs. Preclinical Correlates. 2015 , 13, 324-68	61
443	Riluzole stimulates BDNF release from human platelets. 2015 , 2015, 189307	18
442	Neuroplasticity underlying the comorbidity of pain and depression. 2015 , 2015, 504691	118
441	Neurotrophic Factors and Major Depressive Disorder. 2015 ,	2
440	. 2015,	4
439	. 2015, Different Mechanisms Between Melancholic and Atypical Depression. 2015,	3
439	Different Mechanisms Between Melancholic and Atypical Depression. 2015 , Brain-derived neurotrophic factor in sera of breastfed epileptic infants and in breastmilk of their	3
439	Different Mechanisms Between Melancholic and Atypical Depression. 2015, Brain-derived neurotrophic factor in sera of breastfed epileptic infants and in breastmilk of their mothers. 2015, 10, 277-82	3
439 438 437	Different Mechanisms Between Melancholic and Atypical Depression. 2015, Brain-derived neurotrophic factor in sera of breastfed epileptic infants and in breastmilk of their mothers. 2015, 10, 277-82 Neurotrophic factors in depression in response to treatment. 2015, 183, 287-94	3 10 36
439 438 437 436	Different Mechanisms Between Melancholic and Atypical Depression. 2015, Brain-derived neurotrophic factor in sera of breastfed epileptic infants and in breastmilk of their mothers. 2015, 10, 277-82 Neurotrophic factors in depression in response to treatment. 2015, 183, 287-94 Schizophrenia and Depression Co-Morbidity: What We have Learned from Animal Models. 2015, 6, 13 Genetic association of the transcription of neuroplasticity-related genes and variation in	3 10 36 38
439 438 437 436 435	Different Mechanisms Between Melancholic and Atypical Depression. 2015, Brain-derived neurotrophic factor in sera of breastfed epileptic infants and in breastmilk of their mothers. 2015, 10, 277-82 Neurotrophic factors in depression in response to treatment. 2015, 183, 287-94 Schizophrenia and Depression Co-Morbidity: What We have Learned from Animal Models. 2015, 6, 13 Genetic association of the transcription of neuroplasticity-related genes and variation in stress-coping style. 2015, 5, e00360 Effect of Deep Intramuscular Stimulation and Transcranial Magnetic Stimulation on	3 10 36 38 12

431	Optimizing the Exercise Prescription for Depression: The Search for Biomarkers of Response. 2015 , 4, 43-47		18
430	Serum brain-derived neurotropic factor level predicts adverse clinical outcomes in patients with heart failure. 2015 , 21, 300-6		21
429	Diverse glial cell line-derived neurotrophic factor (GDNF) support between mania and schizophrenia: a comparative study in four major psychiatric disorders. 2015 , 30, 198-204		32
428	Dietary DHA during development affects depression-like behaviors and biomarkers that emerge after puberty in adolescent rats. 2015 , 56, 151-66		31
427	Meta-analyses of structural regional cerebral effects in type 1 and type 2 diabetes. 2015 , 9, 651-62		77
426	New hypothesis and treatment targets of depression: an integrated view of key findings. 2015 , 31, 61-7	4	50
425	From microRNA target validation to therapy: lessons learned from studies on BDNF. 2015 , 72, 1779-94		23
424	Focus on ECT seizure quality: serum BDNF as a peripheral biomarker in depressed patients. 2015 , 265, 227-32		48
423	Mechanisms linking depression co-morbid with obesity: An approach for serotonergic type 3 receptor antagonist as novel therapeutic intervention. 2015 , 17, 3-9		10
422	Serum pro-BDNF/BDNF as a treatment biomarker for response to docosahexaenoic acid in traumatized people vulnerable to developing psychological distress: a randomized controlled trial. 2015 , 5, e596		24
421	Transcranial focused ultrasound as a possible treatment for major depression. 2015 , 84, 381-3		30
420	Protective effect of young green barley leaf (Hordeum vulgare L.) on restraint stress-induced decrease in hippocampal brain-derived neurotrophic factor in mice. 2015 , 11, S86-92		12
419	Doxorubicin and cyclophosphamide treatment produces anxiety-like behavior and spatial cognition impairment in rats: Possible involvement of hippocampal neurogenesis via brain-derived neurotrophic factor and cyclin D1 regulation. 2015 , 292, 184-93		52
418	Prolonged hyperglycemia & hyperinsulinemia increases BDNF mRNA expression in the posterior ventromedial hypothalamus and the dorsomedial hypothalamus of fed female rats. 2015 , 303, 422-32		5
417	Serum brain-derived neurotrophic factor levels in relation to comorbid depression and cytokine levels in Nepalese men with alcohol-use disorders. 2015 , 49, 471-8		18
416	Increased levels of vascular endothelial growth factor in patients with major depressive disorder: A meta-analysis. 2015 , 25, 1622-30		32
415	Zinc monotherapy increases serum brain-derived neurotrophic factor (BDNF) levels and decreases depressive symptoms in overweight or obese subjects: a double-blind, randomized, placebo-controlled trial. 2015 , 18, 162-8		60
414	Electroconvulsive therapy improves clinical manifestations of treatment-resistant depression without changing serum BDNF levels. <i>Psychiatry Research</i> , 2015 , 227, 171-8	9.9	22

413	An excitatory synapse hypothesis of depression. 2015 , 38, 279-94		156
412	Serum brain-derived neurotrophic factor levels and personality traits in patients with major depression. 2015 , 15, 33		10
411	Association of decreased serum brain-derived neurotrophic factor (BDNF) concentrations in early pregnancy with antepartum depression. 2015 , 15, 43		35
410	Serum brain-derived neurotrophic factor differences between the luteal and follicular phases in premenstrual dysphoric disorder. 2015 , 37, 266-72		10
409	BDNF Val66Met polymorphism and hippocampal volume in neuropsychiatric disorders: A systematic review and meta-analysis. 2015 , 55, 107-18		98
408	The mechanisms by which antidepressants may reduce coronary heart disease risk. 2015 , 15, 82		8
407	Skeletal muscle as an endocrine organ: PGC-1∄myokines and exercise. 2015 , 80, 115-125		223
406	Associations between Dietary Pattern and Depression in Korean Adolescent Girls. 2015 , 28, 533-7		72
405	The antidepressant mechanism of action of vagus nerve stimulation: Evidence from preclinical studies. 2015 , 56, 26-34		49
404	Increased serum levels of sortilin are associated with depression and correlated with BDNF and VEGF. 2015 , 5, e677		34
403	Brain-derived neurotrophic factor correlates with functional and cognitive impairment in non-disabled older individuals. 2015 , 72, 129-37		15
402	Plasma brain-derived neurotrophic factor levels in patients suffering from post-traumatic stress disorder. <i>Psychiatry Research</i> , 2015 , 229, 365-9	9.9	13
401	The organization of the stress system and its dysregulation in depressive illness. 2015 , 20, 32-47		361
400	Predicting change in symptoms of depression during the transition to university: the roles of BDNF and working memory capacity. 2015 , 15, 95-103		10
399	Brain-derived neurotrophic factor plasma levels: relationship with dementia and diabetes in the elderly population. 2015 , 70, 294-302		40
398	Serum brain-derived neurotrophic factor level in elderly women depression: a community-based study. 2015 , 56, 109-16		8
397	Essential elements in depression and anxiety. Part II. 2015 , 67, 187-94		55
396	Peripheral brain-derived neurotrophic factor in schizophrenia and the role of antipsychotics: meta-analysis and implications. 2015 , 20, 1108-19		158

395	High-flavonoid intake induces cognitive improvements linked to changes in serum brain-derived neurotrophic factor: Two randomised, controlled trials. 2016 , 4, 81-93		61
394	Molecular Mechanisms of Depression. 2016 , 143-178		5
393	Are the changes in the peripheral brain-derived neurotrophic factor levels due to platelet activation?. 2016 , 6, 84-101		76
392	The impact of exercise training on basal BDNF in athletic adolescents. 2016 , 28, 3066-3069		11
391	Neuroprotective Role of Intermittent Hypobaric Hypoxia in Unpredictable Chronic Mild Stress Induced Depression in Rats. 2016 , 11, e0149309		32
390	Animal Models of Maternal Immune Activation in Depression Research. 2016 , 14, 688-704		30
389	A Lack of Correlation between Brain-Derived Neurotrophic Factor Serum Level and Verbal Memory Performance in Healthy Polish Population. 2016 , 10, 39		2
388	Long Non-coding RNA in Neurons: New Players in Early Response to BDNF Stimulation. 2016 , 9, 15		9
387	Influence of BclI C/G (rs41423247) on hippocampal shape and white matter integrity of the parahippocampal cingulum in major depressive disorder. 2016 , 72, 147-55		10
386	Elevated Brain-Derived Neurotrophic Factor Correlates Negatively with Severity and Duration of Major Depressive Episodes. 2016 , 29, 24-31		20
385	Depression in multiple sclerosis: effect of brain derived neurotrophic factor Val66Met polymorphism and disease perception. 2016 , 23, 630-40		8
384	Epigenetics and the glucocorticoid receptor: A review of the implications in depression. <i>Psychiatry Research</i> , 2016 , 242, 349-356	9.9	40
383	Ginsenoside Rg1 reverses stress-induced depression-like behaviours and brain-derived neurotrophic factor expression within the prefrontal cortex. 2016 , 44, 1878-85		28
382	Peripheral brain-derived neurotrophic factor in autism spectrum disorder: a systematic review and meta-analysis. 2016 , 6, 31241		37
381	Parental life events cause behavioral difference among offspring: Adult pre-gestational restraint stress reduces anxiety across generations. 2016 , 6, 39497		18
380	Serum brain-derived neurotrophic factor (BDNF) concentrations in pregnant women with post-traumatic stress disorder and comorbid depression. 2016 , 19, 979-986		9
379	Age-related differences in plasma BDNF levels after prolonged bed rest. 2016 , 120, 1118-23		13
378	Serum cortisol and BDNF in patients with major depression-effect of yoga. 2016 , 28, 273-8		53

377	Mice with Sort1 deficiency display normal cognition but elevated anxiety-like behavior. 2016, 281, 99-10	8	19
376	The correlation between perceived social support, cortisol and brain derived neurotrophic factor levels in healthy women. <i>Psychiatry Research</i> , 2016 , 239, 149-53	9.9	6
375	Protective effects of resveratrol on aging-induced cognitive impairment in rats. 2016 , 131, 131-6		59
374	Molecular mechanism linking BDNF/TrkB signaling with the NMDA receptor in memory: the role of Girdin in the CNS. 2016 , 27, 481-90		13
373	Serum BDNF concentration after delivery is associated with development of postpartum depression: A 3-month follow up study. 2016 , 200, 25-30		17
372	Serum BDNF levels before and after the development of mood disorders: a case-control study in a population cohort. 2016 , 6, e782		23
371	Gender differences in platelet brain derived neurotrophic factor in patients with cardiovascular disease and depression. 2016 , 78, 72-7		6
370	Synaptic alterations associated with depression and schizophrenia: potential as a therapeutic target. 2016 , 20, 1195-207		22
369	Repetitive transcranial magnetic stimulation for treatment resistant depression: Re-establishing connections. 2016 , 127, 3394-3405		37
368	Whole-genome expression analysis reveals genes associated with treatment response to escitalopram in major depression. 2016 , 26, 1475-1483		14
367	Clinical correlates of plasma brain-derived neurotrophic factor in post-traumatic stress disorder spectrum after a natural disaster. <i>Psychiatry Research</i> , 2016 , 244, 165-70	9.9	16
366	Activation of CRHR1 receptors regulates social and depressive-like behaviors and expression of BDNF and TrkB in mesocorticolimbic regions following global cerebral ischemia. 2016 , 284, 84-97		12
365	The human BDNF gene: peripheral gene expression and protein levels as biomarkers for psychiatric disorders. 2016 , 6, e958		105
364	Seeking an objective diagnosis of depression. 2016 , 10, 861-75		22
363	BDNF-GSK-3ECatenin Pathway in the mPFC Is Involved in Antidepressant-Like Effects of Morinda officinalis Oligosaccharides in Rats. 2017 , 20, 83-93		32
362	Serum Brain-Derived Neurotrophic Factors in Taiwanese Patients with Drug-Nalle First-Episode Major Depressive Disorder: Effects of Antidepressants. 2017 , 20, 213-218		21
361	Association of peripheral BDNF level with cognition, attention and behavior in preschool children. 2016 , 10, 10		30
360	Biological underpinnings of psychogenic nonepileptic seizures: directions for future research. 2016 , 37, 1033-8		12

359	Differences in Cognitive Outcomes After ECT Depending on BDNF and COMT Polymorphisms. 2016 , 32, 243-250	6
358	BDNF in sleep, insomnia, and sleep deprivation. 2016 , 48, 42-51	107
357	Stress-Related Immune Markers in Depression: Implications for Treatment. 2016 , 19,	39
356	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
355	Remission of depression following electroconvulsive therapy (ECT) is associated with higher levels of brain-derived neurotrophic factor (BDNF). 2016 , 121, 263-9	18
354	Electroconvulsive therapy (ECT) and aerobic exercise training (AET) increased plasma BDNF and ameliorated depressive symptoms in patients suffering from major depressive disorder. 2016 , 76, 1-8	27
353	Role of trophic factors GDNF, IGF-1 and VEGF in major depressive disorder: A comprehensive review of human studies. 2016 , 197, 9-20	87
352	Effects of phenytoin and lamotrigine treatment on serum BDNF levels in offsprings of epileptic rats. 2016 , 56, 1-8	11
351	Microglial dysfunction connects depression and Alzheimer's disease. 2016 , 55, 151-165	65
350	Prenatal and Early Postnatal Exposure to Cigarette Smoke Decreases BDNF/TrkB Signaling and Increases Abnormal Behaviors Later in Life. 2016 , 19,	17
349	Preliminary Associations Between Brain-Derived Neurotrophic Factor, Memory Impairment, Functional Cognition, and Depressive Symptoms Following Severe TBI. 2016 , 30, 419-30	39
348	Additive clinical value of serum brain-derived neurotrophic factor for prediction of chronic heart failure outcome. 2016 , 31, 535-44	23
347	Role of calcium, glutamate and NMDA in major depression and therapeutic application. 2016 , 64, 325-33	78
346	Identification of Relationships Between Interleukin 15 mRNA and Brain-Derived Neurotrophic Factor II mRNA Levels With Formal Components of Temperament in Asthmatic Patients. 2017 , 54, 1733-1744	6
345	Effects of moderate treadmill exercise and fluoxetine on behavioural and cognitive deficits, hypothalamic-pituitary-adrenal axis dysfunction and alternations in hippocampal BDNF and mRNA expression of apoptosis - related proteins in a rat model of post-traumatic stress disorder. 2017 ,	48
344	139, 165-178 The role of melatonin, neurokinin, neurotrophic tyrosine kinase and glucocorticoid receptors in antidepressant-like effect. 2017 , 69, 546-554	15
343	Brain-derived neurotrophic factor (BDNF) plasma concentration in patients diagnosed with premature ovarian insufficiency (POI). 2017 , 33, 413-417	3
342	Environmental enrichment ameliorates chronic immobilisation stress-induced spatial learning deficits and restores the expression of BDNF, VEGF, GFAP and glucocorticoid receptors. 2017 , 76, 88-100	51

341	Dietary zinc and iron intake and risk of depression: A meta-analysis. <i>Psychiatry Research</i> , 2017 , 251, 41-479.9	72
340	The effect of acute exercise on blood concentrations of brain-derived neurotrophic factor in healthy adults: a meta-analysis. 2017 , 46, 1635-1646	135
339	MiR-140/BDNF axis regulates normal human astrocyte proliferation and LPS-induced IL-6 and TNF-⊞ secretion. 2017 , 91, 899-905	26
338	Mast cells in neuroinflammation and brain disorders. 2017 , 79, 119-133	106
337	Determinants of Blood Brain-Derived Neurotrophic Factor Blood Levels in Patients with Alcohol Use Disorder. 2017 , 41, 1280-1287	13
336	Releasing Mechanism of Neurotrophic Factors via Polysialic Acid. 2017 , 104, 89-112	12
335	BDNF rescues prefrontal dysfunction elicited by pyramidal neuron-specific DTNBP1 deletion in vivo. 2017 , 9, 117-131	9
334	Association of Val66Met polymorphism at brain derived neurotrophic factor gene with depression among Chinese adolescents after Wenchuan earthquake: An 18months longitudinal study. 2017 , 179, 16-22	7
333	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
332	Transfection of primary brain capillary endothelial cells for protein synthesis and secretion of recombinant erythropoietin: a strategy to enable protein delivery to the brain. 2017 , 74, 2467-2485	9
331	The serum protein levels of the tPA-BDNF pathway are implicated in depression and antidepressant treatment. 2017 , 7, e1079	67
330	Illness severity and biomarkers in depression: Using a unidimensional rating scale to examine BDNF. 2017 , 75, 46-52	12
329	A biological perspective on differences and similarities between burnout and depression. 2017 , 73, 112-122	22
328	Injection of Anti-proBDNF in Anterior Cingulate Cortex (ACC) Reverses Chronic Stress-Induced Adverse Mood Behaviors in Mice. 2017 , 31, 298-308	23
327	Predicting postoperative brain function from the blood: is there a role for biomarkers?. 2017 , 119, 291-293	4
326	Mechanisms of action and clinical efficacy of NMDA receptor modulators in mood disorders. 2017 , 80, 555-572	26
325	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
324	The effect of childhood trauma on serum BDNF in bipolar depression is modulated by the serotonin promoter genotype. 2017 , 656, 177-181	12

323	Combined serum levels of multiple proteins in tPA-BDNF pathway may aid the diagnosis of five mental disorders. 2017 , 7, 6871	18
322	Effects of deficiency on emotional-like behaviors in mice under chronic immobilization stress. 2017 , 7, e00831	7
321	Towards a Unified Understanding of Lithium Action in Basic Biology and its Significance for Applied Biology. 2017 , 250, 587-604	53
320	Association analysis between mitogen-activated protein/extracellular signal-regulated kinase (MEK) gene polymorphisms and depressive disorder in the Han Chinese population. 2017 , 222, 120-125	4
319	Effect of co-administration of memantine and sertraline on the antidepressant-like activity and brain-derived neurotrophic factor (BDNF) levels in the rat brain. 2017 , 128, 29-33	23
318	Obstructive sleep apnea and its controversial effects on cognition. 2017 , 39, 659-669	13
317	ProBDNF/p75NTR/sortilin pathway is activated in peripheral blood of patients with alcohol dependence. 2018 , 7, 2	13
316	Epigenetics in pervasive developmental disorders: translational aspects. 2017 , 93-106	
315	Neuropeptide VGF Promotes Maturation of Hippocampal Dendrites That Is Reduced by Single Nucleotide Polymorphisms. 2017 , 18,	18
314	Molecular analysis of the mouse brain exposed to chronic mild stress: The influence of hepatocyte nuclear factor 4\text{B} n physiological homeostasis. 2017 , 16, 301-309	2
313	Association of Brain-Derived Neurotrophic Factor and Vitamin D with Depression and Obesity: A Population-Based Study. 2017 , 76, 171-181	16
312	Meta-analyses of comparative efficacy of antidepressant medications on peripheral BDNF concentration in patients with depression. 2017 , 12, e0172270	85
311	Computerized cognitive training and brain derived neurotrophic factor during bed rest: mechanisms to protect individual during acute stress. 2017 , 9, 393-407	10
310	A narrative literature review of depression following traumatic brain injury: prevalence, impact, and management challenges. 2017 , 10, 175-186	38
309	Study on Social Isolation as a Risk Factor in Development of Alzheimer Disease in Rats. 2017, 06,	7
308	Association of BDNF Val66Met Polymorphism and Brain BDNF Levels with Major Depression and Suicide. 2018 , 21, 528-538	94
307	Integrated analysis of the genetic basis of suicidal behavior: what has been shown by structural genetic studies so far. 2018 , 28, 31-37	6
306	Plasticity after pediatric cochlear implantation: Implication from changes in peripheral plasma level of BDNF and auditory nerve responses. 2018 , 105, 103-110	2

(2018-2018)

305	a chronic social defeat stress model. 2018 , 215, 132-139	23
304	BDNF/TrkB Pathway Mediates the Antidepressant-Like Role of HS in CUMS-Exposed Rats by Inhibition of Hippocampal ER Stress. 2018 , 20, 252-261	23
303	Brain-derived neutrophic factor in adolescents smoking waterpipe: The Irbid TRY. 2018 , 67, 14-18	10
302	Brain-derived neurotrophic factor secreted by the cerebral endothelium: A new actor of brain function?. 2018 , 38, 935-949	28
301	Type A monoamine oxidase and serotonin are coordinately involved in depressive disorders: from neurotransmitter imbalance to impaired neurogenesis. 2018 , 125, 53-66	60
300	A longitudinal study of neurotrophic, oxidative, and inflammatory markers in first-onset depression in midlife women. 2018 , 268, 771-781	25
299	Sonic hedgehog, Wnt, and brain-derived neurotrophic factor cell signaling pathway crosstalk: potential therapy for depression. 2018 , 96, 53-62	22
298	Neural basis of major depressive disorder: Beyond monoamine hypothesis. 2018 , 72, 3-12	144
297	Regulation of the kynurenine metabolism pathway by Xiaoyao San and the underlying effect in the hippocampus of the depressed rat. 2018 , 214, 13-21	24
296	N-3 PUFA diet enrichment prevents amyloid beta-induced depressive-like phenotype. 2018 , 129, 526-534	17
295	Saffron in the treatment of depression, anxiety and other mental disorders: Current evidence and potential mechanisms of action. 2018 , 227, 330-337	73
294	Measuring and Validating the Levels of Brain-Derived Neurotrophic Factor in Human Serum. 2018 , 5,	58
293	Serum markers related to depression: A systematic review. 2018 , 6, 30-42	1
292	Assessment of brain-derived neurotrophic factor and osteopontin in a healthy pediatric population. 2018 , 7, 1849454418806136	2
291	Systems Biology Understanding of the Effects of Lithium on Affective and Neurodegenerative Disorders. 2018 , 12, 933	6
2 90	Association between brain-derived neurotrophic factor gene polymorphisms and fibromyalgia in a Korean population: a multicenter study. 2018 , 20, 220	4
289	Exercise-induced brain-derived neurotrophic factor expression: Therapeutic implications for Alzheimer's dementia. 2018 , 48, 109-121	60
288	Antidepressant-Like Effects of Low- and High-Molecular Weight FGF-2 on Chronic Unpredictable Mild Stress Mice. 2018 , 11, 377	19

287	Fellutamide B Synthetic Path Intermediates with in Vitro Neuroactive Function Shows Mood-Elevating Effect in Stress-Induced Zebrafish Model. 2018 , 3, 10534-10544	1
286	Dehydroepiandrosterone (DHEA) and DHEA Sulfate: Roles in Brain Function and Disease. 2018,	1
285	[Circadian rhythms and depression]. 2018 , 86, 308-318	3
284	May nesfatin-1 be a state marker in major depressive disorder with suicidal ideation?. <i>Psychiatry Research</i> , 2018 , 267, 272-276	8
283	Association of serum BDNF levels and the BDNF Val66Met polymorphism with the sleep pattern in healthy young adults. 2018 , 13, e0199765	6
282	Neurotrophic factors and neuroplasticity pathways in the pathophysiology and treatment of depression. 2018 , 235, 2195-2220	104
281	System biology approach intersecting diet and cell metabolism with pathogenesis of brain disorders. 2018 , 169, 76-90	9
280	The Mechanism of Action of Vagus Nerve Stimulation in Treatment-Resistant Depression: Current Conceptualizations. 2018 , 41, 395-407	22
279	Serial Changes of Cytokines in Children with Cerebral Palsy Who Received Intravenous Granulocyte-colony Stimulating Factor Followed by Autologous Mobilized Peripheral Blood Mononuclear Cells. 2018 , 33, e102	6
278	Naringenin protects against oxido-inflammatory aberrations and altered tryptophan metabolism in olfactory bulbectomized-mice model of depression. 2018 , 355, 257-268	34
277	Ginsenoside Rg1 Prevents Chronic Stress-Induced Depression-Like Behaviors and Neuronal Structural Plasticity in Rats. 2018 , 48, 2470-2482	36
276	The effects of repeated antibiotic administration to juvenile BALB/c mice on the microbiota status and animal behavior at the adult age. 2018 , 4, e00644	29
275	An Update on Promising Biomarkers in Schizophrenia. 2018 , 16, 153-163	7
274	Chlorogenic Acid from Hawthorn Berry (Crataegus pinnatifida Fruit) Prevents Stress Hormone-Induced Depressive Behavior, through Monoamine Oxidase B-Reactive Oxygen Species Signaling in Hippocampal Astrocytes of Mice. 2018 , 62, e1800029	23
273	Brain-Derived Neurotrophic Factor in Brain Disorders: Focus on Neuroinflammation. 2019 , 56, 3295-3312	206
272	Minocycline ameliorates depressive behaviors and neuro-immune dysfunction induced by chronic unpredictable mild stress in the rat. 2019 , 356, 348-357	61
271	Associations between inflammatory and neurological markers with quality of life and well-being in older adults. 2019 , 125, 110662	5
270	Effect of Maternal Depression on Brain-derived Neurotrophic Factor Levels in Fetal Cord Blood. 2019 , 17, 308-313	2

269	Photobiomodulation for depression in animal models. 2019 , 189-205	O
268	Dose-dependent relationships between chronic arsenic exposure and cognitive impairment and serum brain-derived neurotrophic factor. 2019 , 131, 105029	21
267	Protein Biomarkers in Major Depressive Disorder: An Update. 2019 , 1140, 585-600	2
266	Effect of continuous positive airway pressure on inflammatory, antioxidant, and depression biomarkers in women with obstructive sleep apnea: a randomized controlled trial. 2019 , 42,	20
265	Bipolar Disorder: Its Etiology and How to Model in Rodents. 2019 , 2011, 61-77	8
264	The Effect of Tai Chi Chuan on Negative Emotions in Non-Clinical Populations: A Meta-Analysis and Systematic Review. 2019 , 16,	15
263	Effects of a short residential thermal spa program to prevent work-related stress/burnout on stress biomarkers: the ThermStress proof of concept study. 2019 , 47, 5130-5145	3
262	Efficacy of ginkgo biloba extract as augmentation of venlafaxine in treating post-stroke depression. 2019 , 15, 2551-2557	8
261	Efficacy of electroacupuncture combined with probiotics for depression and chronic diarrhea in patients and effect on serum inflammatory cytokines, NE and BDNF. 2019 , 18, 3470-3474	3
260	Hormonal Status and Cognitivo-Emotional Profile in Real-Life Patients With Neuropathic Pain: A Case Control Study. 2019 , 19, 703-714	2
259	Influence of Tacrolimus on Depressive-Like Behavior in Diabetic Rats Through Brain-Derived Neurotrophic Factor Regulation in the Hippocampus. 2019 , 36, 396-410	3
258	Molecular programs underlying differences in the expression of mood disorders in males and females. 2019 , 1719, 89-103	5
257	Decreased BDNF in female but not male rats after exposure to stress: a sex-sensitive rat model of stress?. 2019 , 22, 581-591	4
256	Differential Neuroplastic Changes in Fibromyalgia and Depression Indexed by Up-Regulation of Motor Cortex Inhibition and Disinhibition of the Descending Pain System: An Exploratory Study. 2019 , 13, 138	15
255	Protective effect of liquiritin on corticosterone-induced neurotoxicity in PC12 cells. 2019 , 17, 2013	3
254	Possible Molecular Mediators Involved and Mechanistic Insight into Fibromyalgia and Associated Co-morbidities. 2019 , 44, 1517-1532	24
253	5-HTT independent effects of fluoxetine on neuroplasticity. 2019 , 9, 6311	19
252	Chronic tinnitus and BDNF/GDNF CpG promoter methylations: a case-control study. 2019 , 46, 3929-3936	6

251	Enriched environment alleviates stress-induced dry-eye through the BDNF axis. 2019 , 9, 3422	7
250	Mechanisms underpinning AMP-activated protein kinase-related effects on behavior and hippocampal neurogenesis in an animal model of depression. 2019 , 150, 121-133	39
249	An 8 week prospective study on the relationship between major depressive episode and serum brain derived neurotrophic factor in a Nigerian tertiary hospital. 2019 , 32, 42-47	
248	The Potential Role of Learning Capacity in Cognitive Behavior Therapy for Depression: A Systematic Review of the Evidence and Future Directions for Improving Therapeutic Learning. 2019 , 7, 668-692	23
247	Brain-derived neurotrophic factor (BDNF) and bipolar disorder. <i>Psychiatry Research</i> , 2019 , 274, 395-399 9.9	19
246	Accuracy of brain-derived neurotrophic factor levels for differentiating between Taiwanese patients with major depressive disorder or schizophrenia and healthy controls. 2019 , 14, e0212373	4
245	Prognostic effect of serum BDNF levels in late-life depression: Moderated by childhood trauma and SSRI usage?. 2019 , 103, 276-283	4
244	Intracellular Signaling Pathways Implicated in the Pathophysiology of Depression. 2019 , 97-109	2
243	Novel Neuromodulatory Approaches for Depression: Neurobiological Mechanisms. 2019, 347-360	1
242	Stress management in obesity during a thermal spa residential programme (ObesiStress): protocol for a randomised controlled trial study. 2019 , 9, e027058	4
241	Involvement of the hippocampus in chronic pain and depression. 2019 , 5, 288-298	6
240	Assessment of psychiatric and behavioral adverse effects of antiepileptic drugs monotherapy: Could they have a neuroendocrine correlation in persons with epilepsy?. 2019 , 100, 106439	5
239	Evaluating the effect of BDNF Val66Met polymorphism on complex formation with HAP1 and Sortilin1 via structural modeling. 2019 , 78, 282-289	2
238	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
237	Post-stroke depression and cognitive impairment: Study design and preliminary findings in a Brazilian prospective stroke cohort (EMMA study). 2019 , 245, 72-81	18
236	Circulating Levels of Brain-Derived Neurotrophic Factor and History of Suicide Attempts in Women. 2019 , 49, 54-63	4
235	The relationship between dietary quality, serum brain-derived neurotrophic factor (BDNF) level, and the Val66met polymorphism in predicting depression. 2019 , 22, 513-521	10
234	Acute exposure to low-level light at night is sufficient to induce neurological changes and depressive-like behavior. 2020 , 25, 1080-1093	24

(2020-2020)

233	Towards a comprehensive etiopathogenetic and pathophysiological theory of multiple sclerosis. 2020 , 130, 279-300	9
232	Pharmacogenetics of anxiety disorders. 2020 , 726, 134443	1
231	Chronic cannabis use and circulating biomarkers of neural health, stress, and inflammation in physically active individuals. 2020 , 45, 258-263	11
230	Association between reduced serum BDNF levels and insomnia with short sleep duration among female hospital nurses. 2020 , 68, 167-172	6
229	Cinnamomum tamala as an adjuvant therapy in the treatment of major depressive disorder: A double-blind, randomized, placebo-controlled clinical trial with placebo control. 2020 , 7, 141-147	1
228	Neuroprotective roles of neurotrophic growth factors in mood disorders. 2020 , 145-172	
227	Lithium - Pharmacological and Toxicological Aspects: The Current State of the Art. 2020 , 27, 337-351	16
226	Peripheral Markers of Depression. 2020 , 9,	37
225	Dysregulation of the orexinergic system: A potential neuropeptide target in depression. 2020 , 118, 384-396	5
224	Crosstalk between the microbiota-gut-brain axis and depression. 2020 , 6, e04097	32
223	The Diagnostic Value of the Combination of Serum Brain-Derived Neurotrophic Factor and Insulin-Like Growth Factor-1 for Major Depressive Disorder Diagnosis and Treatment Efficacy. 2020 , 11, 800	5
222	Continuous environmental enrichment and aerobic exercise improves spatial memory: focus on rat hippocampal BDNF and NGF. 2020 , 16, 121-128	1
221	Connecting Mind-Body Therapy-Mediated Effects to Pathological Features of Alzheimer's Disease. 2021 , 82, S65-S90	2
220	Is there a relationship between morphological and functional platelet changes and depressive disorder?. 2020 , 1-34	O
219	Antidepressants Promote and Prevent Cancers. 2020 , 38, 572-598	2
218	Factors affecting stability of plasma brain-derived neurotrophic factor. 2020 , 10, 20232	2
217	Exploring the effectiveness of a specialized therapy programme for burnout using subjective report and biomarkers of stress. 2021 , 28, 852-861	2
216	Glutamatergic pathway in depressive-like behavior associated with pentylenetetrazole rat model of epilepsy with history of prolonged febrile seizures. 2020 , 253, 117692	1

215	Antidepressant effect in diabetes-associated depression: A novel potential of RAAS inhibition. 2020 , 118, 104705	5
214	Brain-derived neurotrophic factor among patients with alcoholism. 2021 , 26, 400-405	2
213	The Role of BDNF on Aging-Modulation Markers. 2020 , 10,	11
212	State-of-the-Art: Inflammatory and Metabolic Markers in Mood Disorders. 2020 , 10,	6
211	Solid lipid nanoparticles-mediated enhanced antidepressant activity of duloxetine in lipopolysaccharide-induced depressive model. 2020 , 194, 111209	18
210	Protective effects of butein on corticosterone-induced cytotoxicity in Neuro2A cells. 2020 , 8, 82-90	3
209	Ketamine. 2020,	1
208	The Wistar-Kyoto rat model of endogenous depression: A tool for exploring treatment resistance with an urgent need to focus on sex differences. 2020 , 101, 109908	13
207	Sustained Ultrastructural Changes in Rat Hippocampal Formation After Repeated Electroconvulsive Seizures. 2020 , 23, 446-458	5
206	Astrocytic GABA Receptors in Mouse Hippocampus Control Responses to Behavioral Challenges through Astrocytic BDNF. 2020 , 36, 705-718	3
205	Pathways Connecting Late-Life Depression and Dementia. 2020 , 11, 279	38
204	Influence of Sarcopenia on the Effect of Exercise Therapy for Elderly Patients with Chronic Low Back Pain. 2020 , 4, 247-255	1
203	Anxiolytic Effect of Alcohol-Water Extracted Suanzaoren-Wuweizi Herb-Pair by Regulating ECS-BDNF-ERK Signaling Pathway Expression in Acute Restraint Stress Male Rats. 2020 , 2020, 2078932	1
202	Negative association between left prefrontal GABA concentration and BDNF serum concentration in young adults. 2020 , 6, e04025	2
201	Reduced serum BDNF levels are associated with the increased risk for developing MDD: a case-control study with or without antidepressant therapy. 2020 , 13, 83	27
200	Early changes of serum BDNF and SSRI response in adolescents with major depressive disorder. 2020 , 265, 325-332	10
199	Towards a comprehensive theory of obesity and a healthy diet: The causal role of oxidative stress in food addiction and obesity. 2020 , 384, 112560	22
198	PSA-NCAM Colocalized with Cholecystokinin-Expressing Cells in the Hippocampus Is Involved in Mediating Antidepressant Efficacy. 2020 , 40, 825-842	2

(2021-2020)

197	Tanshinone IIA Improves Depression-like Behavior in Mice by Activating the ERK-CREB-BDNF Signaling Pathway. 2020 , 430, 1-11	20
196	Exercise-induced immune system response: Anti-inflammatory status on peripheral and central organs. 2020 , 1866, 165823	65
195	The Role of BDNF on Neural Plasticity in Depression. 2020 , 14, 82	60
194	Serum Brain-Derived Neurotrophic Factor in Glaucoma Patients in Japan: An Observational Study. 2021 , 87, 339-345	3
193	Interleukin 6 as a marker of depression in women with sleep apnea. 2021, 30, e13035	2
192	Effect of vortioxetine vs. escitalopram on plasma BDNF and platelet serotonin in depressed patients. 2021 , 105, 110016	8
191	Diet and depression: exploring the biological mechanisms of action. 2021 , 26, 134-150	66
190	Serum BDNF discriminates Parkinson's disease patients with depression from without depression and reflect motor severity and gender differences. 2021 , 268, 1411-1418	7
189	A model of negative emotional contagion between male-female rat dyads: Effects of voluntary exercise on stress-induced behavior and BDNF-TrkB signaling. 2021 , 234, 113286	2
188	Brain-derived neurotrophic factor (BDNF) and inflammatory markers: Perspectives for the management of depression. 2021 , 108, 110151	13
187	New insights on brain-derived neurotrophic factor epigenetics: from depression to memory extinction. 2021 , 1484, 9-31	8
186	Sex Hormones, BDNF, Leptin, and TGF-II in Females With IBS: A Pilot Investigation. 2021 , 23, 231-237	5
185	Amine Precursors in Depressive Disorders and the Blood-Brain Barrier. 2021 , 1-40	О
184	Is Serum BDNF Altered in Acute, Short- and Long-Term Recovered Restrictive Type Anorexia Nervosa?. 2021 , 13,	4
183	A Load to Find Clinically Useful Biomarkers for Depression. 2021 , 1305, 175-202	2
182	Progesterone's Effects on Cognitive Performance of Male Mice Are Independent of Progestin Receptors but Relate to Increases in GABA Activity in the Hippocampus and Cortex. 2020 , 11, 552805	O
181	Association Between Systemic Immune-Inflammation Index and Diabetic Depression. 2021, 16, 97-105	8
180	The Role of Neurotrophic Factors in Pathophysiology of Major Depressive Disorder. 2021 , 1305, 257-272	5

179	Cognitive health and nutrition: a millennial correlation. 2021 , 281-292	1
178	Association between Polymorphism and Depressive Symptoms in Patients Newly Diagnosed with Type 2 Diabetes Mellitus. 2021 , 62, 359-365	2
177	Upregulating Effect of Wheat on Brain-Derived Neurotrophic Factor in Human Lung Adenocarcinoma A549 Cells. 2021 , 70, 867-874	0
176	Linking Huntington disease, brain-derived neurotrophic factor, and depressive-like behaviors. 2021 , 161-177	O
175	Blood Brain-Derived Neurotrophic Factor (BDNF) and Major Depression: Do We Have a Translational Perspective?. 2021 , 15, 626906	16
174	Serum BDNF levels and the antidepressant effects of electroconvulsive therapy with ketamine anaesthesia: a preliminary study. 2021 , 9, e10699	1
173	The effects of interval training on peripheral brain derived neurotrophic factor (BDNF) in young adults: a systematic review and meta-analysis. 2021 , 11, 8937	3
172	Naringenin improves depressive- and anxiety-like behaviors in mice exposed to repeated hypoxic stress through modulation of oxido-inflammatory mediators and NF-kB/BDNF expressions. 2021 , 169, 214-227	13
171	Possible actions of cannabidiol in obsessive-compulsive disorder by targeting the WNT/Etatenin pathway. 2021 ,	2
170	Major Depression: One Brain, One Disease, One Set of Intertwined Processes. 2021 , 10,	6
169	Objective and Measurable Biomarkers in Chronic Subjective Tinnitus. 2021 , 22,	3
168	The effect of zinc supplementation on brain derived neurotrophic factor: A meta-analysis. 2021 , 66, 126753	3
167	Brain-Derived Neurotrophic Factor Signaling in Depression and Antidepressant Action. 2021 , 90, 128-136	31
166	BDNF Impact on Biological Markers of Depression-Role of Physical Exercise and Training. 2021 , 18,	2
165	Marqueurs biochimiques de la dβression : actualitſet perspectives. 2021 , 2021, 59-65	
164	Effects of Antidepressant Treatment on Neurotrophic Factors (BDNF and IGF-1) in Patients with Major Depressive Disorder (MDD). 2021 , 10,	6
163	Stress-Related Dysfunction of Adult Hippocampal Neurogenesis-An Attempt for Understanding Resilience?. 2021 , 22,	6
162	Increased telomerase activity in major depressive disorder with melancholic features: Possible role of pro-inflammatory cytokines and the brain-derived neurotrophic factor. 2021 , 14, 100259	O

161	1,3-Dicaffeoylquinic Acid as an Active Compound of Root Extract Ameliorates Depressive-Like Behavior by Regulating Hippocampal Nitric Oxide Synthesis in Ovariectomized Mice. 2021 , 10,	3
160	Antidepressant-like effects of acupuncture via modulation of corticosterone, sex hormones, and hippocampal BDNF expression in male rats. 2021 , 173, 53-65	2
159	Pathophysiology of Major Depression by Clinical Stages. 2021 , 12, 641779	1
158	Mechanisms involved in neuroprotective effects of transcranial magnetic stimulation. 2021,	
157	Neuronal-enriched extracellular vesicles in individuals with IBS: A pilot study of COMT and BDNF. 2021 , e14257	О
156	Understanding how stress responses and stress-related behaviors have evolved in zebrafish and mammals. 2021 , 15, 100405	1
155	Differential effects of ergometer-cycling and Whole-Body-Vibration training on serological BDNF and IGF-1 in the treatment of adolescent depression - is there an impact of BDNFp.Val66Met variants?. 2021 , 241, 113596	1
154	Moderators of gene-outcome associations following traumatic brain injury. 2021 , 130, 107-124	O
153	Nutritional therapy can reduce the burden of depression management in low income countries: A review 2021 , 11, 15-28	1
152	Brain-derived neurotrophic factor. 2021 , 479-482	
152 151	Brain-derived neurotrophic factor. 2021 , 479-482 DNA methyltransferase inhibitors and psychiatric disorders. 2021 , 639-656	
		5
151	DNA methyltransferase inhibitors and psychiatric disorders. 2021 , 639-656 The placenta protects the fetal circulation from anxiety-driven elevations in maternal serum levels	5 0
151 150	DNA methyltransferase inhibitors and psychiatric disorders. 2021 , 639-656 The placenta protects the fetal circulation from anxiety-driven elevations in maternal serum levels of brain-derived neurotrophic factor. 2021 , 11, 62	
151 150 149	DNA methyltransferase inhibitors and psychiatric disorders. 2021, 639-656 The placenta protects the fetal circulation from anxiety-driven elevations in maternal serum levels of brain-derived neurotrophic factor. 2021, 11, 62 A Tale of Two Genes: Reelin and BDNF. 2008, 237-250	0
151 150 149 148	DNA methyltransferase inhibitors and psychiatric disorders. 2021, 639-656 The placenta protects the fetal circulation from anxiety-driven elevations in maternal serum levels of brain-derived neurotrophic factor. 2021, 11, 62 A Tale of Two Genes: Reelin and BDNF. 2008, 237-250 Hunting for Peripheral Biomarkers to Support Drug Development in Psychiatry. 2008, 405-426	0
151 150 149 148	DNA methyltransferase inhibitors and psychiatric disorders. 2021, 639-656 The placenta protects the fetal circulation from anxiety-driven elevations in maternal serum levels of brain-derived neurotrophic factor. 2021, 11, 62 A Tale of Two Genes: Reelin and BDNF. 2008, 237-250 Hunting for Peripheral Biomarkers to Support Drug Development in Psychiatry. 2008, 405-426 Peripheral Biological Markers for Mood Disorders. 2009, 121-149	0 1 1

143	Modelle zum Wirkmechanismus der Elektrokrampftherapie. 2003 , 90-106	1
142	Alzheimer Disease, Schizophrenia and Depression. 2011 , 377-415	1
141	Probiotics in Neurology and Psychiatry. 285-298	1
140	Tachykinins and Tachykinin Receptor Antagonists in Depression: Therapeutic Implications. 2011 , 350-357	7
139	- Neurobiology of Teenage Suicide. 2012 , 342-359	5
138	Neurochemical Changes in the Mouse Hippocampus Underlying the Antidepressant Effect of Genetic Deletion of P2X7 Receptors. 2013 , 8, e66547	66
137	The interplay of stress and sleep impacts BDNF level. 2013 , 8, e76050	56
136	Long-term effects of peripubertal binge EtOH exposure on hippocampal microRNA expression in the rat. 2014 , 9, e83166	31
135	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
134	Blood BDNF level is gender specific in severe depression. 2015 , 10, e0127643	52
133	The Effect of Exercise Training on Resting Concentrations of Peripheral Brain-Derived Neurotrophic Factor (BDNF): A Meta-Analysis. 2016 , 11, e0163037	134
132	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017 , 8, 113258-113268	18
132	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological	18
	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017 , 8, 113258-113268 New insights about the putative role of myokines in the context of cardiac rehabilitation and	
131	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017 , 8, 113258-113268 New insights about the putative role of myokines in the context of cardiac rehabilitation and secondary cardiovascular prevention. 2017 , 5, 300	13
131	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017, 8, 113258-113268 New insights about the putative role of myokines in the context of cardiac rehabilitation and secondary cardiovascular prevention. 2017, 5, 300 Glycogen synthase kinase-3 (GSK3) in psychiatric diseases and therapeutic interventions. 2006, 7, 1421-34 Brain derived neurotrophic factor and cognitive status: the delicate balance among people living	13 286
131 130 129	Role of tissue-type plasminogen activator and plasminogen activator inhibitor-1 in psychological stress and depression. 2017, 8, 113258-113268 New insights about the putative role of myokines in the context of cardiac rehabilitation and secondary cardiovascular prevention. 2017, 5, 300 Glycogen synthase kinase-3 (GSK3) in psychiatric diseases and therapeutic interventions. 2006, 7, 1421-34 Brain derived neurotrophic factor and cognitive status: the delicate balance among people living with HIV, with and without alcohol abuse. 2014, 12, 254-64	13 286 8

(2016-2013)

125	Brain-Derived Neurotrophic Factor (BDNF) protein levels in anxiety disorders: systematic review and meta-regression analysis. 2013 , 7, 55	121
124	Ketamina, da anestesia ao uso abusivo. 2010 , 18, 227-237	4
123	Marijuana use among adolescents is associated with deleterious alterations in mature BDNF. 2019 , 6, 4-14	6
122	Brain-derived neurotrophic factor and initial antidepressant response to an N-methyl-D-aspartate antagonist. 2009 , 70, 1662-6	107
121	Evidence of associations between brain-derived neurotrophic factor (BDNF) serum levels and gene polymorphisms with tinnitus. 2017 , 19, 140-148	11
120	C-reactive protein, brain-derived neurotrophic factor, interleukin-2, and stressful life events in drug-naive first-episode and recurrent depression: A cross-sectional study. 2018 , 60, 334-339	4
119	Serum S100B levels in patients with depression. 2019 , 61, 70-76	9
118	Depression and Brain-derived Neurotrophic Factor Levels in Alzheimer's Disease. 2011 , 02, 43-47	4
117	Serum S100B Levels and Major Depressive Disorder: Its Characteristics and Role in Antidepressant Response. 2008 , 5, 193-8	27
116	Decreased serum brain-derived neurotrophic factor levels in elderly korean with dementia. 2009 , 6, 299-305	82
115	Effects of BDNF polymorphisms on antidepressant action. 2010 , 7, 236-42	40
114	Decreased Plasma BDNF Levels of Patients with Somatization Disorder. 2016 , 13, 526-530	5
113	The Effect of Anaesthetic Techniques on Maternal and Cord Blood Brain-Derived Neurotrophic Factor Levels. 2018 , 46, 139-146	1
112	Serum brain-derived neurotrophic factor levels are associated with dyssomnia in females, but not males, among Japanese workers. 2013 , 9, 649-54	11
111	Effects of confinement on physiological and psychological responses and expression of interleukin 6 and brain derived neurotrophic factor mRNA in primiparous and multiparous weaning sows. 2017 , 30, 1350-1357	3
110	Antidepressant-like Effects of the Gastrodia elata Bl Extract in Mice. 2013 , 24, 281-292	2
109	Serum Levels of Growth Factors in Alcohol-dependent Patients according to Comorbid Depressive Symptoms. 2016 , 14, 43-8	6
108	Gender-specific Associations of the Brain-derived Neurotrophic Factor Val66Met Polymorphism with Neurocognitive and Clinical Features in Schizophrenia. 2016 , 14, 270-8	13

107	Biomarkers in Huntington I. 2022, 235-262	
106	Early Enhancement of Neuroplasticity Index, the Ratio of Serum Brain-Derived Neurotrophic Factor Level to HAMD-24 Score, in Predicting the Long-Term Antidepressant Efficacy. 2021 , 15, 712445	
105	Modelle zum Wirkmechanismus der transkraniellen Magnetstimulation. 2003 , 208-231	
104	Biological Theories of Depression and Implications for Current and New Treatments. 2004 , 1-32	2
103	The Kindling/Sensitization Model: Implications for the Pathophysiology of Bipolar Disorder. 2007 , 297-323	
102	Translational Research in Psychiatric Diseases. 2007 , 195-210	
101	DEPRESSION AND BIPOLAR DISORDERS. 2009 , 787-795	
100	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	
99	The Study of Correlation on Health Factor, Cardiorespiratory and Muscle Function with Blood BDNF in Martial Art Athletes 2011 , 13, 189-201	
98	References. 253-296	
97	Brain Networks, Hormones and Genes Implicated in Depression. 2013 , 67-106	1
97 96	Brain Networks, Hormones and Genes Implicated in Depression. 2013 , 67-106 Genetic and Environmental Influences on Child and Adolescent Anxiety. 69-88	1
		2
96	Genetic and Environmental Influences on Child and Adolescent Anxiety. 69-88 Exercise and physical activity in the treatment of the depression-current status and future	
96 95	Genetic and Environmental Influences on Child and Adolescent Anxiety. 69-88 Exercise and physical activity in the treatment of the depression-current status and future direction 2013, 28, 20-25	2
96 95 94	Genetic and Environmental Influences on Child and Adolescent Anxiety. 69-88 Exercise and physical activity in the treatment of the depression-current status and future direction 2013, 28, 20-25 Upregulation of Cholesterol Synthesis via BDNF by Mastication. 2014, 6, 167-175	2
96 95 94 93	Genetic and Environmental Influences on Child and Adolescent Anxiety. 69-88 Exercise and physical activity in the treatment of the depression-current status and future direction 2013, 28, 20-25 Upregulation of Cholesterol Synthesis via BDNF by Mastication. 2014, 6, 167-175 Relationship of Probiotics, Prebiotics, Synbiotics to Infections, Immunity, and Nutrition. 2014, 287-308	2 O

(2013-2015)

89	Effects of Exercise Program with Different Forest Slopes on BDNF and Depression of Women in 50s. 2015 , 19, 109-115	
88	Antidepressant effect of water extract of Taraxacum platycarpum through BDNF, ERK and CREB pathway 2015 , 30, 13-17	
87	Serum level of brain-derived neurotrophic factor in fibromyalgia. 2015 , 42, 170-177	0
86	The Role of Arrestins in the Neuroprotective Effects of Antidepressant Drugs. 2016 , 793-804	
85	Antidepressant Drugs and Phosphodiesterases. 2016 , 805-823	
84	THE ROLE OF MYOKINES INTERSTITIAL INTERACTION AND REGULATION OF METABOLISM: A REVIEW OF LITERATURE. 2016 , 19, 28-34	1
83	BIOMARKERS OF DEPRESSION: NEW CHALLENGES. 2017 , 56, 44-49	
82	Association of BDNF Val66Met Polymorphism and Brain BDNF levels with Major Depression and Suicide.	
81	Levels of brain-derived neurotrophic factor in patients with fibromyalgia and chronic low back pain: Results of an aquatic physical therapy protocol. 2018 , 3, 12-21	
80	A gene-based analysis of variants in the Brain-derived Neurotrophic Factor gene with psychological distress in a Taiwanese population. 2019 , 33, 33	1
79	Prognostic value of neurotrophic growth factor (BDNF) in patients with colorectal cancer during chemotherapy. 2019 , 73, 283-292	
78	Brain-Derived Neurotrophic Factor Up-Regulation by the Methanol Extract of Foxtail Millet in Human Peripheral Cells. 2020 , 66, 284-288	0
77	Effects of Ketamine on Pain and Depression Comorbidity. 2020 , 143-156	
76	Depression impedes neuroplasticity and quality of life after stroke. 2020 , 9, 4039-4044	1
75	Mechanisms of Psychiatric Comorbidities in Epilepsy. 2021 , 1	0
74	There is not much to mediate [yet] when it comes to diet and depression. 2021,	
73	Increase of plasma brain-derived neurotrophic factor levels in two psychotic depressed patients responding to lithium addition to paroxetine treatment. 2007 , 3, 683-6	6
72	The effects of aerobic exercise intensity and duration on levels of brain-derived neurotrophic factor in healthy men. 2013 , 12, 502-11	83

71	Antidepressant Effect of Dimeric Dipeptide GSB-106, an Original Low-Molecular-Weight Mimetic of BDNF. 2013 , 5, 105-9	8
70	Effects of Different Spectral Energy Distributions on Physiological Behavior and Hormone Levels in Depression. 2018 , 47, 373-381	1
69	Antidepressant Effects of a Persian Medicine Remedy on Multiple Sclerosis Patients: A Double-Blinded Randomized Clinical Trial. 2019 , 8, e1212	
68	Effects of photoperiod and diet on BDNF daily rhythms in diurnal sand rats. 2022 , 418, 113666	1
67	Efficacy of Whole-Body Vibration Training on Brain-Derived Neurotrophic Factor, Clinical and Functional Outcomes, and Quality of Life in Women with Fibromyalgia Syndrome: A Randomized Controlled Trial 2021 , 2021, 7593802	1
66	MTORC1 signaling as a biomarker in major depressive disorder and its pharmacological modulation by novel rapid-acting antidepressants. 2021 , 11, 20451253211036814	O
65	Antidepressant Effects of a Persian Medicine Remedy on Multiple Sclerosis Patients: A Double-Blinded Randomized Clinical Trial. 2019 , 8, e1212	O
64	Genetic and Epigenetic Determinants of Depression: From Basic Research to Translational Medicine. 2021 , 141-153	
63	Brain-derived neurotrophic factor and inflammation in depression: Pathogenic partners in crime?. 2022 , 12, 77-97	3
62	Major Plant in Herbal Mixture Gan-Mai-Da-Zao for the Alleviation of Depression in Rat Models 2022 , 11,	O
61	powder alleviates the hippocampal neuron damage in chronic unpredictable mild stress-induced depression model rats in hippocampus via connexin 43Cx43/glucocorticoid receptor/brain-derived neurotrophic factor signaling pathway 2022 ,	1
60	How Microbes Affect Depression: Underlying Mechanisms via the Gut-Brain Axis and the Modulating Role of Probiotics 2022 , 23,	4
59	Depression, Estrogens, and Neuroinflammation: A Preclinical Review of Ketamine Treatment for Mood Disorders in Women 2021 , 12, 797577	1
58	Vagus nerve stimulation: An update on a novel treatment for treatment-resistant depression 2022 , 434, 120171	1
57	Downregulation of Bdnf Expression in Adult Mice Causes Body Weight Gain 2022, 1	O
56	Daily-Life Physical Activity of Healthy Young Adults Associates With Function and Structure of the Hippocampus 2022 , 16, 790359	O
55	Prior short-term exercise prevents behavioral and biochemical abnormalities induced by single prolonged stress in a rat model of posttraumatic stress disorder 2022 , 113864	О
54	The BDNF-TrkB signaling pathway in the rostral anterior cingulate cortex is involved in the development of pain aversion in rats with bone cancer via NR2B and ERK-CREB signaling 2022,	O

53	Flower essential oil of Tagetes minuta mitigates oxidative stress and restores BDNF-Akt/ERK2 signaling attenuating inflammation- and stress-induced depressive-like behavior in mice 2022 , 1784, 147845	1
52	Cord serum brain-derived neurotrophic factor levels at birth associate with temperament outcomes at one year 2022 , 150, 47-53	
51	Gender differences in short- vs. long-term impact of maternal depression following pre-gestational chronic mild stress 2022 , 114059	
50	Higher Systemic Immune-Inflammation Index is associated with higher likelihood of peripheral arterial disease 2021 ,	4
49	Data_Sheet_1.PDF. 2018 ,	
48	Data_Sheet_1.XLSX. 2018 ,	
47	Data_Sheet_2.XLSX. 2018 ,	
46	The robot assisted therapy using "aibo.". 2022 , 64, e15064	
45	Impact of fasting on stress systems and depressive symptoms in patients with major depressive disorder: a cross-sectional study 2022 , 12, 7642	1
44	Interaction between the BDNF gene rs16917237 polymorphism and job stress on job burnout of Chinese university teachers 2022 , 309, 282-288	1
43	Advances in Depression and Brain-Derived Neurotrophic Factor. 2022 , 12, 323-334	
42	Shuangxinfang Prevents S100A9-Induced Macrophage/Microglial Inflammation to Improve Cardiac Function and Depression-Like Behavior in Rats After Acute Myocardial Infarction. 13,	O
41	Association Between Depressive Symptoms and Serum Brain-Derived Neurotrophic Factor Levels in Patients With First-Episode and Drug-NaWe Schizophrenia. 13,	
40	The Relationship Among BDNF Val66Met Polymorphism, Plasma BDNF Level, and Trait Anxiety in Chinese Patients With Panic Disorder. 13,	O
39	Chondroitin sulfate proteoglycan is a potential target of memantine to improve cognitive function via the promotion of adult neurogenesis.	1
38	Exploration of the Moderating Effects of Physical Activity and Early Life Stress on the Relation between Brain-Derived Neurotrophic Factor (BDNF) rs6265 Variants and Depressive Symptoms among Adolescents. 2022 , 13, 1236	O
37	The molecular pathophysiology of depression and the new therapeutics. 2022, 3,	1
36	The Neurobiological Links between Stress and Traumatic Brain Injury: A Review of Research to Date. 2022 , 23, 9519	

35	Serum brain-derived neurotrophic factor and glial cell-derived neurotrophic factor in patients with first-episode depression at different ages. 1-9	
34	Cognitive Decline and BPSD Are Concomitant with Autophagic and Synaptic Deficits Associated with G9a Alterations in Aged SAMP8 Mice. 2022 , 11, 2603	1
33	Association of serum brain-derived neurotrophic factor with hepatic enzymes, AST/ALT ratio, and FIB-4 index in middle-aged and older women. 2022 , 17, e0273056	
32	Non-invasive transcranial brain modulation for neurological disorders treatment: A narrative review. 2022 , 307, 120869	3
31	Circadian rhythms-related disorders in diurnal fat sand rats under modern lifestyle conditions: A review. 13,	О
30	Intranasal Administration of Brain-Derived Neurotrophic Factor Rescues Depressive-Like Phenotypes in Chronic Unpredictable Mild Stress Mice. Volume 18, 1885-1894	O
29	Mapping the structure of depression biomarker research: A bibliometric analysis. 13,	О
28	Structural changes and neurotrophic factors upregulation in submandibular gland in a rat model of depression: proposed correlation with stress indicators during and after the relief of depression.	O
27	Brain-Derived Neurotrophic Factor: A Novel Dynamically Regulated Therapeutic Modulator in Neurological Disorders.	О
26	BDNF receptor TrkB as the mediator of the antidepressant drug action. 15,	3
25	Glutamate receptor 4 as a fluid biomarker for the diagnosis of psychiatric disorders. 2022, 156, 390-397	O
24	From antioxidant to neuromodulator: The role of ascorbate in the management of major depression disorder. 2022 , 206, 115300	1
23	Amine Precursors in Depressive Disorders and the Blood-Brain Barrier. 2022, 525-564	0
22	Emotional and qualitative outcomes among patients with left and right hemisphere stroke. 13,	O
21	Forgetful, sad and old: Do vascular cognitive impairment and depression share a common pre-disease network and how is it impacted by ageing?. 2022 , 156, 611-627	1
20	Ketamine, benzoate, and sarcosine for treating depression. 2023 , 223, 109351	1
19	Antidepressive Effect of Natural Products and Their Derivatives Targeting BDNF-TrkB in Gut B rain Axis. 2022 , 23, 14968	О
18	Type 2 Diabetes and Parkinson's Disease: A Focused Review of Current Concepts.	1

CITATION REPORT

17	Prospective Association between Adherence to the Mediterranean Diet and Health-Related Quality of Life in Spanish Children. 2022 , 14, 5304	3
16	BDNF Val66Met Polymorphism: Suggested Genetic Involvement in Some Children with Learning Disorder.	О
15	Effect of Whole-Body Vibration on Serum Levels of Brain Derived Neurotrophic Factor and Cortisol in Young, Healthy Women. 2022 , 19, 16108	O
14	The Association of Biochemical and Genetic Biomarkers in VEGF Pathway with Depression. 2022 , 14, 2757	O
13	Estrogen fluctuations during the menopausal transition are a risk factor for depressive disorders.	О
12	How much time of sedentary behavior is associated with depressive symptoms in community-dwelling older adults in southern Brazil?. 2023 , 50, 25-30	О
11	Effect of Online Home-Based Resistance Exercise Training on Physical Fitness, Depression, Stress, and Well-Being in Middle-Aged Persons: A Pilot Study. 2023 , 20, 1769	О
10	Non-pharmacological treatment-related changes of molecular biomarkers in major depressive disorder: A systematic review and meta-analysis. 2023 , 23, 100367	О
9	Peripheral brain-derived neurotrophic factor (BDNF) and salivary cortisol levels in college students with different levels of academic stress. Study protocol. 2023 , 18, e0282007	O
8	Acute effects of high-intensity functional training with or without whole-body electromyostimulation on serum irisin and brain-derived neurotrophic factor in overweight individuals. 2023 ,	o
7	Brain-derived Neurotrophic Factor and High Sensitive C-reactive Protein in Bipolar Depression and Unipolar Depression: The Practical Usage as a Discriminatory Tool. 2023 , 21, 108-117	O
6	Peripheral Regulation of Central Brain-Derived Neurotrophic Factor Expression through the Vagus Nerve. 2023 , 24, 3543	О
5	WITHDRAWN: Associations between family support, loneliness, and underlying depression among children and adolescents in the China family panel studies: A mediation analysis. 2023 , 327, 397-403	0
4	Pathoclinical associations between panic disorders and the brain-derived neurotrophic factor Val66Met polymorphism: an updated meta-analysis. 2023 , 33, 50-58	O
3	The Melanocortin System: A Promising Target for the Development of New Antidepressant Drugs. 2023 , 24, 6664	0
2	Higher serum nerve growth factor levels are associated with major depressive disorder pathophysiology: a casefontrol study. 2023 , 51, 030006052311662	o
1	Exploring the Therapeutic Effect of Neurotrophins and Neuropeptides in Neurodegenerative Diseases: at a Glance.	0