

Marco A. Riva

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226
papers

10,374
citations

59
h-index

91
g-index

237
ext. papers

11,779
ext. citations

5.7
avg, IF

6.2
L-index

#	Paper	IF	Citations
226	Early maternal deprivation reduces the expression of BDNF and NMDA receptor subunits in rat hippocampus. <i>Molecular Psychiatry</i> , 2002 , 7, 609-16	15.1	373
225	Stress in puberty unmasks latent neuropathological consequences of prenatal immune activation in mice. <i>Science</i> , 2013 , 339, 1095-9	33.3	342
224	Serum and plasma BDNF levels in major depression: a replication study and meta-analyses. <i>World Journal of Biological Psychiatry</i> , 2010 , 11, 763-73	3.8	306
223	Brain-derived neurotrophic factor: a bridge between inflammation and neuroplasticity. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 430	6.1	270
222	Postnatal repeated maternal deprivation produces age-dependent changes of brain-derived neurotrophic factor expression in selected rat brain regions. <i>Biological Psychiatry</i> , 2004 , 55, 708-14	7.9	266
221	Neuronal plasticity: a link between stress and mood disorders. <i>Psychoneuroendocrinology</i> , 2009 , 34 Suppl 1, S208-16	5	229
220	Glucocorticoid-related molecular signaling pathways regulating hippocampal neurogenesis. <i>Neuropsychopharmacology</i> , 2013 , 38, 872-83	8.7	213
219	Role for the kinase SGK1 in stress, depression, and glucocorticoid effects on hippocampal neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 8708-13	11.5	209
218	Association between the BDNF 196 A/G polymorphism and sporadic Alzheimer's disease. <i>Molecular Psychiatry</i> , 2002 , 7, 136-7	15.1	200
217	Stress during development: Impact on neuroplasticity and relevance to psychopathology. <i>Progress in Neurobiology</i> , 2007 , 81, 197-217	10.9	169
216	Mode of action of agomelatine: synergy between melatonergic and 5-HT _{2C} receptors. <i>World Journal of Biological Psychiatry</i> , 2011 , 12, 574-87	3.8	163
215	Nicotine prevents experimental parkinsonism in rodents and induces striatal increase of neurotrophic factors. <i>Journal of Neurochemistry</i> , 1998 , 71, 2439-46	6	157
214	Glucocorticoid receptor and FKBP5 expression is altered following exposure to chronic stress: modulation by antidepressant treatment. <i>Neuropsychopharmacology</i> , 2013 , 38, 616-27	8.7	135
213	Electroconvulsive Therapy (ECT) increases serum Brain Derived Neurotrophic Factor (BDNF) in drug resistant depressed patients. <i>European Neuropsychopharmacology</i> , 2006 , 16, 620-4	1.2	131
212	The expanding role of BDNF: a therapeutic target for Alzheimer's disease?. <i>Pharmacogenomics Journal</i> , 2006 , 6, 8-15	3.5	126
211	CREB, neurogenesis and depression. <i>BioEssays</i> , 2007 , 29, 957-61	4.1	115
210	AMPA receptor subunit 1 (GluR-A) knockout mice model the glutamate hypothesis of depression. <i>FASEB Journal</i> , 2008 , 22, 3129-34	0.9	114

209	The serotonin-BDNF duo: developmental implications for the vulnerability to psychopathology. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 43, 35-47	9	108
208	Prenatal immune activation induces maturation-dependent alterations in the prefrontal GABAergic transcriptome. <i>Schizophrenia Bulletin</i> , 2014 , 40, 351-61	1.3	108
207	The human BDNF gene: peripheral gene expression and protein levels as biomarkers for psychiatric disorders. <i>Translational Psychiatry</i> , 2016 , 6, e958	8.6	105
206	Chronic duloxetine treatment induces specific changes in the expression of BDNF transcripts and in the subcellular localization of the neurotrophin protein. <i>Neuropsychopharmacology</i> , 2007 , 32, 2351-9	8.7	105
205	Corticostriatal brain-derived neurotrophic factor dysregulation in adult rats following prenatal stress. <i>European Journal of Neuroscience</i> , 2004 , 20, 1348-54	3.5	98
204	Acute stress responsiveness of the neurotrophin BDNF in the rat hippocampus is modulated by chronic treatment with the antidepressant duloxetine. <i>Neuropsychopharmacology</i> , 2009 , 34, 1523-32	8.7	95
203	Chronic fluoxetine administration inhibits extracellular signal-regulated kinase 1/2 phosphorylation in rat brain. <i>Journal of Neurochemistry</i> , 2005 , 93, 1551-60	6	94
202	Shedding light into the role of BDNF in the pharmacotherapy of Parkinson's disease. <i>Pharmacogenomics Journal</i> , 2006 , 6, 95-104	3.5	93
201	Chronic treatment with fluoxetine up-regulates cellular BDNF mRNA expression in rat dopaminergic regions. <i>International Journal of Neuropsychopharmacology</i> , 2006 , 9, 307-17	5.8	91
200	Fluoxetine and olanzapine have synergistic effects in the modulation of fibroblast growth factor 2 expression within the rat brain. <i>Biological Psychiatry</i> , 2004 , 55, 1095-102	7.9	91
199	Basic fibroblast growth factor mRNA increases in specific brain regions following convulsive seizures. <i>Molecular Brain Research</i> , 1992 , 15, 311-8		91
198	Lack of effect of chronic dopamine receptor blockade on D2 dopamine receptor mRNA level. <i>Neuroscience Letters</i> , 1990 , 111, 303-8	3.3	90
197	Repeated exposure to cocaine differently modulates BDNF mRNA and protein levels in rat striatum and prefrontal cortex. <i>European Journal of Neuroscience</i> , 2007 , 26, 2756-63	3.5	88
196	Genome-wide DNA Methylation Changes in a Mouse Model of Infection-Mediated Neurodevelopmental Disorders. <i>Biological Psychiatry</i> , 2017 , 81, 265-276	7.9	85
195	Reduced function of the serotonin transporter is associated with decreased expression of BDNF in rodents as well as in humans. <i>Neurobiology of Disease</i> , 2010 , 37, 747-55	7.5	84
194	Inflammation and neuronal plasticity: a link between childhood trauma and depression pathogenesis. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 40	6.1	83
193	Modulation of fibroblast growth factor-2 by stress and corticosteroids: from developmental events to adult brain plasticity. <i>Brain Research Reviews</i> , 2001 , 37, 249-58		83
192	Gene-environment interaction in major depression: focus on experience-dependent biological systems. <i>Frontiers in Psychiatry</i> , 2015 , 6, 68	5	82

191	The impact of environmental enrichment on sex-specific neurochemical circuitries - effects on brain-derived neurotrophic factor and the serotonergic system. <i>Neuroscience</i> , 2012 , 220, 267-76	3.9	80
190	Absolute Measurements of Macrophage Migration Inhibitory Factor and Interleukin-1 β mRNA Levels Accurately Predict Treatment Response in Depressed Patients. <i>International Journal of Neuropsychopharmacology</i> , 2016 , 19,	5.8	77
189	Stress-induced changes of hippocampal NMDA receptors: modulation by duloxetine treatment. <i>PLoS ONE</i> , 2012 , 7, e37916	3.7	76
188	Preventive effects of minocycline in a neurodevelopmental two-hit model with relevance to schizophrenia. <i>Translational Psychiatry</i> , 2016 , 6, e772	8.6	75
187	Cellular and molecular mechanisms of the brain-derived neurotrophic factor in physiological and pathological conditions. <i>Clinical Science</i> , 2017 , 131, 123-138	6.5	73
186	BDNF gene expression is reduced in the frontal cortex of dopamine transporter knockout mice. <i>Molecular Psychiatry</i> , 2003 , 8, 898-9	15.1	71
185	The puzzle box as a simple and efficient behavioral test for exploring impairments of general cognition and executive functions in mouse models of schizophrenia. <i>Experimental Neurology</i> , 2011 , 227, 42-52	5.7	69
184	Regulation of NMDA receptor subunit messenger RNA levels in the rat brain following acute and chronic exposure to antipsychotic drugs. <i>Molecular Brain Research</i> , 1997 , 50, 136-42		69
183	Striatal increase of neurotrophic factors as a mechanism of nicotine protection in experimental parkinsonism. <i>Journal of Neural Transmission</i> , 1997 , 104, 1113-23	4.3	69
182	Developmental expression of the basic fibroblast growth factor gene in rat brain. <i>Developmental Brain Research</i> , 1991 , 62, 45-50		69
181	Developmental and stress-related changes of neurotrophic factor gene expression in an animal model of schizophrenia. <i>Molecular Psychiatry</i> , 2001 , 6, 285-92	15.1	68
180	Regulation of NMDA receptor subunit mRNA expression in the rat brain during postnatal development. <i>Molecular Brain Research</i> , 1994 , 25, 209-16		68
179	Antipsychotic drug actions on gene modulation and signaling mechanisms. <i>Pharmacology & Therapeutics</i> , 2009 , 124, 74-85	13.9	67
178	Modulation of the inflammatory response in rats chronically treated with the antidepressant agomelatine. <i>European Neuropsychopharmacology</i> , 2013 , 23, 1645-55	1.2	66
177	Late prenatal immune activation causes hippocampal deficits in the absence of persistent inflammation across aging. <i>Journal of Neuroinflammation</i> , 2015 , 12, 221	10.1	66
176	MORC1 exhibits cross-species differential methylation in association with early life stress as well as genome-wide association with MDD. <i>Translational Psychiatry</i> , 2014 , 4, e429	8.6	65
175	Stress-induced mechanisms in mental illness: A role for glucocorticoid signalling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 160, 169-74	5.1	64
174	Maternal deprivation and early handling affect density of calcium binding protein-containing neurons in selected brain regions and emotional behavior in periadolescent rats. <i>Neuroscience</i> , 2007 , 145, 568-78	3.9	62

173	Effect of antipsychotic drugs on brain-derived neurotrophic factor expression under reduced N-methyl-D-aspartate receptor activity. <i>Journal of Neuroscience Research</i> , 2003 , 72, 622-8	4.4	62
172	Inhibition of nitric oxide synthase dramatically potentiates seizures induced by kainic acid and pilocarpine in rats. <i>Brain Research</i> , 1995 , 679, 184-7	3.7	62
171	Reduced neuroplasticity in aged rats: a role for the neurotrophin brain-derived neurotrophic factor. <i>Neurobiology of Aging</i> , 2013 , 34, 2768-76	5.6	61
170	Prenatal versus postnatal maternal factors in the development of infection-induced working memory impairments in mice. <i>Brain, Behavior, and Immunity</i> , 2013 , 33, 190-200	16.6	61
169	The expression of VGF is reduced in leukocytes of depressed patients and it is restored by effective antidepressant treatment. <i>Neuropsychopharmacology</i> , 2010 , 35, 1423-8	8.7	61
168	Early maternal deprivation as an animal model for schizophrenia. <i>Clinical Neuroscience Research</i> , 2003 , 3, 297-302		61
167	Quetiapine regulates FGF-2 and BDNF expression in the hippocampus of animals treated with MK-801. <i>NeuroReport</i> , 2004 , 15, 2109-12	1.7	58
166	Short- and long-term induction of basic fibroblast growth factor gene expression in rat central nervous system following kainate injection. <i>Neuroscience</i> , 1994 , 59, 55-65	3.9	58
165	Dynamic regulation of glutamatergic postsynaptic activity in rat prefrontal cortex by repeated administration of antipsychotic drugs. <i>Molecular Pharmacology</i> , 2008 , 73, 1484-90	4.3	57
164	Stress-induced anhedonia is associated with the activation of the inflammatory system in the rat brain: Restorative effect of pharmacological intervention. <i>Pharmacological Research</i> , 2016 , 103, 1-12	10.2	56
163	Prenatal stress alters glutamatergic system responsiveness in adult rat prefrontal cortex. <i>Journal of Neurochemistry</i> , 2009 , 109, 1733-44	6	56
162	Delayed BDNF alterations in the prefrontal cortex of rats exposed to prenatal stress: preventive effect of lurasidone treatment during adolescence. <i>European Neuropsychopharmacology</i> , 2014 , 24, 986-95 ²		54
161	Modulation of neuroplastic molecules in selected brain regions after chronic administration of the novel antidepressant agomelatine. <i>Psychopharmacology</i> , 2011 , 215, 267-75	4.7	53
160	Sub-chronic exposure to atomoxetine up-regulates BDNF expression and signalling in the brain of adolescent spontaneously hypertensive rats: comparison with methylphenidate. <i>Pharmacological Research</i> , 2010 , 62, 523-9	10.2	53
159	FoxO1, A2M, and TGF- β : three novel genes predicting depression in gene X environment interactions are identified using cross-species and cross-tissues transcriptomic and miRNomic analyses. <i>Molecular Psychiatry</i> , 2018 , 23, 2192-2208	15.1	52
158	Modulation of BDNF expression by repeated treatment with the novel antipsychotic lurasidone under basal condition and in response to acute stress. <i>International Journal of Neuropsychopharmacology</i> , 2012 , 15, 235-46	5.8	52
157	Long-Term duloxetine treatment normalizes altered brain-derived neurotrophic factor expression in serotonin transporter knockout rats through the modulation of specific neurotrophin isoforms. <i>Molecular Pharmacology</i> , 2010 , 77, 846-53	4.3	51
156	Modulation of glutamate receptors in response to the novel antipsychotic olanzapine in rats. <i>Biological Psychiatry</i> , 2001 , 50, 117-22	7.9	50

155	Effect of progesterone, testosterone and their 5 alpha-reduced metabolites on GFAP gene expression in type 1 astrocytes. <i>Brain Research</i> , 1996 , 711, 10-5	3.7	50
154	Synergistic mechanisms in the modulation of the neurotrophin BDNF in the rat prefrontal cortex following acute agomelatine administration. <i>World Journal of Biological Psychiatry</i> , 2010 , 11, 148-53	3.8	49
153	Developmental influence of the serotonin transporter on the expression of npas4 and GABAergic markers: modulation by antidepressant treatment. <i>Neuropsychopharmacology</i> , 2012 , 37, 746-58	8.7	47
152	Prenatal stress elicits regionally selective changes in basal FGF-2 gene expression in adulthood and alters the adult response to acute or chronic stress. <i>Neurobiology of Disease</i> , 2005 , 20, 731-7	7.5	47
151	Opposite regulation of basic fibroblast growth factor and nerve growth factor gene expression in rat cortical astrocytes following dexamethasone treatment. <i>Journal of Neurochemistry</i> , 1995 , 64, 2526-33	6	46
150	Depression-prone mice with reduced glucocorticoid receptor expression display an altered stress-dependent regulation of brain-derived neurotrophic factor and activity-regulated cytoskeleton-associated protein. <i>Journal of Psychopharmacology</i> , 2010 , 24, 595-603	4.6	45
149	Stimulatory role of dopamine on fibroblast growth factor-2 expression in rat striatum. <i>Journal of Neurochemistry</i> , 2001 , 76, 990-7	6	45
148	Emerging role of the FGF system in psychiatric disorders. <i>Trends in Pharmacological Sciences</i> , 2005 , 26, 228-31	13.2	43
147	Selective modulation of fibroblast growth factor-2 expression in the rat brain by the atypical antipsychotic clozapine. <i>Neuropharmacology</i> , 1999 , 38, 1075-82	5.5	42
146	Regulation of ionotropic glutamate receptors in the rat brain in response to the atypical antipsychotic seroquel (quetiapine fumarate). <i>Neuropsychopharmacology</i> , 1999 , 21, 211-7	8.7	41
145	Lurasidone exerts antidepressant properties in the chronic mild stress model through the regulation of synaptic and neuroplastic mechanisms in the rat prefrontal cortex. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	40
144	BDNF rs6265 methylation and genotype interact on risk for schizophrenia. <i>Epigenetics</i> , 2016 , 11, 11-23	5.7	40
143	Corticostriatal up-regulation of activity-regulated cytoskeletal-associated protein expression after repeated exposure to cocaine. <i>Molecular Pharmacology</i> , 2006 , 70, 1726-34	4.3	40
142	Genome-Wide Transcriptional Profiling and Structural Magnetic Resonance Imaging in the Maternal Immune Activation Model of Neurodevelopmental Disorders. <i>Cerebral Cortex</i> , 2017 , 27, 3397-3413	5.1	39
141	Prolonged abstinence from developmental cocaine exposure dysregulates BDNF and its signaling network in the medial prefrontal cortex of adult rats. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 625-34	5.8	39
140	Transcriptomics in Interferon- β Treated Patients Identifies Inflammation-, Neuroplasticity- and Oxidative Stress-Related Signatures as Predictors and Correlates of Depression. <i>Neuropsychopharmacology</i> , 2016 , 41, 2502-11	8.7	39
139	Region-specific effects on BDNF expression after contingent or non-contingent cocaine i.v. self-administration in rats. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 913-8	5.8	37
138	Aripiprazole: from pharmacological profile to clinical use. <i>Neuropsychiatric Disease and Treatment</i> , 2015 , 11, 2635-47	3.1	37

137	Repeated stress prevents cocaine-induced activation of BDNF signaling in rat prefrontal cortex. <i>European Neuropsychopharmacology</i> , 2009 , 19, 402-8	1.2	37
136	Age-related changes in rat serotonergic and adrenergic systems and in receptor responsiveness to subchronic desipramine treatment. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1988 , 63, 150-5		34
135	MicroRNAs and psychiatric disorders: From aetiology to treatment. <i>Pharmacology & Therapeutics</i> , 2016 , 167, 13-27	13.9	33
134	Modulation of neuronal plasticity following chronic concomitant administration of the novel antipsychotic lurasidone with the mood stabilizer valproic acid. <i>Psychopharmacology</i> , 2013 , 226, 101-12	4.7	33
133	Effects of steroid hormones on gene expression of glial markers in the central and peripheral nervous system: variations induced by aging. <i>Experimental Gerontology</i> , 1998 , 33, 827-36	4.5	33
132	Antistress properties of antidepressant drugs and their clinical implications. <i>Pharmacology & Therapeutics</i> , 2011 , 132, 39-56	13.9	32
131	Long-term exposure to the atypical antipsychotic olanzapine differently up-regulates extracellular signal-regulated kinases 1 and 2 phosphorylation in subcellular compartments of rat prefrontal cortex. <i>Molecular Pharmacology</i> , 2006 , 69, 1366-72	4.3	32
130	The interaction between the internal clock and antidepressant efficacy. <i>International Clinical Psychopharmacology</i> , 2007 , 22 Suppl 2, S9-S14	2.2	32
129	Decreased Bdnf expression and reduced social behavior in periadolescent rats following prenatal stress. <i>Developmental Psychobiology</i> , 2015 , 57, 365-73	3	31
128	Exposure to early life stress regulates Bdnf expression in SERT mutant rats in an anatomically selective fashion. <i>Journal of Neurochemistry</i> , 2015 , 132, 146-54	6	31
127	Blood biomarkers and treatment response in major depression. <i>Expert Review of Molecular Diagnostics</i> , 2018 , 18, 513-529	3.8	31
126	International Union of Basic and Clinical Pharmacology CIV: The Neurobiology of Treatment-resistant Depression: From Antidepressant Classifications to Novel Pharmacological Targets. <i>Pharmacological Reviews</i> , 2018 , 70, 475-504	22.5	31
125	Prenatal maternal factors in the development of cognitive impairments in the offspring. <i>Journal of Reproductive Immunology</i> , 2014 , 104-105, 20-5	4.2	31
124	Dynamic regulation of fibroblast growth factor 2 (FGF-2) gene expression in the rat brain following single and repeated cocaine administration. <i>Journal of Neurochemistry</i> , 2006 , 96, 996-1004	6	31
123	Lack of serotonin transporter alters BDNF expression in the rat brain during early postnatal development. <i>Molecular Neurobiology</i> , 2013 , 48, 244-56	6.2	30
122	Single session of cocaine intravenous self-administration shapes goal-oriented behaviours and up-regulates Arc mRNA levels in rat medial prefrontal cortex. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 423-9	5.8	30
121	Different patterns of induction of FGF-2, FGF-1 and BDNF mRNAs during kindling epileptogenesis in the rat. <i>European Journal of Neuroscience</i> , 1998 , 10, 955-63	3.5	29
120	Repeated electroconvulsive shock (ECS) alters the phosphorylation of glutamate receptor subunits in the rat hippocampus. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 1255-60	5.8	28

119	Neurotrophic factors in neurodegenerative disorders : potential for therapy. <i>CNS Drugs</i> , 2008 , 22, 1005-1017	28
118	Age-related changes in 5HT uptake and [3H]imipramine binding sites in rat cerebral cortex. <i>European Journal of Pharmacology</i> , 1985 , 110, 393-4	5.3 28
117	Behavioural and neuroplastic properties of chronic lurasidone treatment in serotonin transporter knockout rats. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 1319-30	5.8 27
116	Systemic Delivery of a Brain-Penetrant TrkB Antagonist Reduces Cocaine Self-Administration and Normalizes TrkB Signaling in the Nucleus Accumbens and Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2016 , 36, 8149-59	6.6 27
115	Phenotype of mice with inducible ablation of GluA1 AMPA receptors during late adolescence: relevance for mental disorders. <i>Hippocampus</i> , 2014 , 24, 424-35	3.5 26
114	Corticosteroid effects on gene expression of myelin basic protein in oligodendrocytes and of glial fibrillary acidic protein in type 1 astrocytes. <i>Journal of Neuroendocrinology</i> , 1997 , 9, 729-33	3.8 26
113	Basal and stress-induced modulation of activity-regulated cytoskeletal associated protein (Arc) in the rat brain following duloxetine treatment. <i>Psychopharmacology</i> , 2008 , 201, 285-92	4.7 26
112	Oxidation-reduction mechanisms in psychiatric disorders: A novel target for pharmacological intervention. <i>Pharmacology & Therapeutics</i> , 2020 , 210, 107520	13.9 25
111	Long-Term Sex-Dependent Vulnerability to Metabolic challenges in Prenatally Stressed Rats. <i>Frontiers in Behavioral Neuroscience</i> , 2017 , 11, 113	3.5 25
110	Early life stress and serotonin transporter gene variation interact to affect the transcription of the glucocorticoid and mineralocorticoid receptors, and the co-chaperone FKBP5, in the adult rat brain. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 355	3.5 25
109	Antipsychotic drugs modulate Arc expression in the rat brain. <i>European Neuropsychopharmacology</i> , 2009 , 19, 109-15	1.2 25
108	Dopaminergic D2 receptor activation modulates FGF-2 gene expression in rat prefrontal cortex and hippocampus. <i>Journal of Neuroscience Research</i> , 2003 , 74, 74-80	4.4 25
107	Adrenalectomy reduces FGF-1 and FGF-2 gene expression in specific rat brain regions and differently affects their induction by seizures. <i>Molecular Brain Research</i> , 1995 , 34, 190-6	25
106	Chronic Stress Exposure Reduces Parvalbumin Expression in the Rat Hippocampus through an Imbalance of Redox Mechanisms: Restorative Effect of the Antipsychotic Lurasidone. <i>International Journal of Neuropsychopharmacology</i> , 2018 , 21, 883-893	5.8 25
105	Chronic mild stress-induced alterations of clock gene expression in rat prefrontal cortex: modulatory effects of prolonged lurasidone treatment. <i>Pharmacological Research</i> , 2016 , 104, 140-50	10.2 24
104	Astrocyte-neuron interactions in vitro: role of growth factors and steroids on LHRH dynamics. <i>Brain Research Bulletin</i> , 1997 , 44, 465-9	3.9 24
103	Effect of some tricyclic and nontricyclic antidepressants on [3H]imipramine binding and serotonin uptake in rat cerebral cortex after prolonged treatment. <i>Fundamental and Clinical Pharmacology</i> , 1987 , 1, 327-33	3.1 24
102	Sex-Specific Effects of Prenatal Stress on Bdnf Expression in Response to an Acute Challenge in Rats: a Role for Gadd45. <i>Molecular Neurobiology</i> , 2016 , 53, 7037-7047	6.2 23

101	Significant increase in anxiety during aging in mGlu5 receptor knockout mice. <i>Behavioural Brain Research</i> , 2013 , 241, 27-31	3.4	23
100	Behavioral effects of the benzodiazepine-positive allosteric modulator SH-053-2R-S-CH ₃ in an immune-mediated neurodevelopmental disruption model. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 18,	5.8	23
99	Differential c-Fos induction by different NMDA receptor antagonists with antidepressant efficacy: potential clinical implications. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1133-6	5.8	23
98	Chronic phencyclidine administration reduces the expression and editing of specific glutamate receptors in rat prefrontal cortex. <i>Experimental Neurology</i> , 2007 , 208, 54-62	5.7	23
97	Chronic Mild Stress-Induced Alterations of Local Protein Synthesis: A Role for Cognitive Impairment. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 817-825	5.7	22
96	Repeated aripiprazole treatment regulates Bdnf, Arc and Npas4 expression under basal condition as well as after an acute swim stress in the rat brain. <i>Pharmacological Research</i> , 2014 , 80, 1-8	10.2	22
95	3RUTR (AGG) _n repeat of glial cell line-derived neurotrophic factor (GDNF) gene polymorphism in schizophrenia. <i>Neuroscience Letters</i> , 2004 , 357, 235-7	3.3	22
94	Effect of different photoperiod exposure on [³ H]imipramine binding and serotonin uptake in the rat brain. <i>Journal of Neurochemistry</i> , 1989 , 52, 507-14	6	22
93	Synaptic alterations associated with depression and schizophrenia: potential as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2016 , 20, 1195-207	6.4	22
92	Chronic vortioxetine treatment improves the responsiveness to an acute stress acting through the ventral hippocampus in a glucocorticoid-dependent way. <i>Pharmacological Research</i> , 2019 , 142, 14-21	10.2	21
91	Ankyrin-3 as a molecular marker of early-life stress and vulnerability to psychiatric disorders. <i>Translational Psychiatry</i> , 2016 , 6, e943	8.6	21
90	Molecular and cellular dissection of NMDA receptor subtypes as antidepressant targets. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 84, 352-358	9	20
89	Differential regulation of FGF-2 and FGFR-1 in rat cortical astrocytes by dexamethasone and isoproterenol. <i>Molecular Brain Research</i> , 1998 , 57, 38-45		20
88	Daily exposure to a touchscreen-paradigm and associated food restriction evokes an increase in adrenocortical and neural activity in mice. <i>Hormones and Behavior</i> , 2016 , 81, 97-105	3.7	20
87	Identification of a miRNAs signature associated with exposure to stress early in life and enhanced vulnerability for schizophrenia: New insights for the key role of miR-125b-1-3p in neurodevelopmental processes. <i>Schizophrenia Research</i> , 2019 , 205, 63-75	3.6	19
86	Reduction of corticostriatal glutamatergic fibers in basic fibroblast growth factor deficient mice is associated with hyperactivity and enhanced dopaminergic transmission. <i>Biological Psychiatry</i> , 2007 , 62, 235-42	7.9	19
85	Morc1 knockout evokes a depression-like phenotype in mice. <i>Behavioural Brain Research</i> , 2016 , 296, 7-14	3.4	18
84	Acute Stress Induces Cognitive Improvement in the Novel Object Recognition Task by Transiently Modulating Bdnf in the Prefrontal Cortex of Male Rats. <i>Cellular and Molecular Neurobiology</i> , 2020 , 40, 1037-1047	4.6	18

83	Altered expression and modulation of activity-regulated cytoskeletal associated protein (Arc) in serotonin transporter knockout rats. <i>European Neuropsychopharmacology</i> , 2009 , 19, 898-904	1.2	18
82	L-deprenyl potentiates cAMP-induced elevation of FGF-2 mRNA levels in rat cortical astrocytes. <i>NeuroReport</i> , 1997 , 8, 2165-8	1.7	18
81	The role of dopamine D receptors in the mechanism of action of cariprazine. <i>CNS Spectrums</i> , 2020 , 25, 343-351	1.8	18
80	Baclofen modulates the expression and release of neurotrophins in schwann-like adipose stem cells. <i>Journal of Molecular Neuroscience</i> , 2013 , 49, 233-43	3.3	17
79	The preclinical profile of lurasidone: clinical relevance for the treatment of schizophrenia. <i>Expert Opinion on Drug Discovery</i> , 2013 , 8, 1297-307	6.2	17
78	Preconceptional paternal exposure to a single traumatic event affects postnatal growth of female but not male offspring. <i>NeuroReport</i> , 2013 , 24, 856-60	1.7	17
77	Stress and cocaine interact to modulate basic fibroblast growth factor (FGF-2) expression in rat brain. <i>Psychopharmacology</i> , 2008 , 196, 357-64	4.7	17
76	Chronic cocaine administration modulates the expression of transcription factors involved in midbrain dopaminergic neuron function. <i>Experimental Neurology</i> , 2007 , 203, 472-80	5.7	17
75	Acute and chronic changes in K(+)-induced depolarization alter NMDA and nNOS gene expression in cultured cerebellar granule cells. <i>Molecular Brain Research</i> , 1996 , 40, 171-4		17
74	Chronic lurasidone treatment normalizes GABAergic marker alterations in the dorsal hippocampus of mice exposed to prenatal immune activation. <i>European Neuropsychopharmacology</i> , 2017 , 27, 170-179	1.2	16
73	Altered inflammatory responsiveness in serotonin transporter mutant rats. <i>Journal of Neuroinflammation</i> , 2013 , 10, 116	10.1	16
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