Marco A. Riva

List of Publications by Year
in descending order

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230	12,838	19608	32761
papers	citations	61 h-index	100 g-index

237	237	237	14163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early maternal deprivation reduces the expression of BDNF and NMDA receptor subunits in rat hippocampus. Molecular Psychiatry, 2002, 7, 609-616.	4.1	409
2	Stress in Puberty Unmasks Latent Neuropathological Consequences of Prenatal Immune Activation in Mice. Science, 2013, 339, 1095-1099.	6.0	404
3	Serum and plasma BDNF levels in major depression: A replication study and meta-analyses. World Journal of Biological Psychiatry, 2010, 11, 763-773.	1.3	363
4	Brain-derived neurotrophic factor: a bridge between inflammation and neuroplasticity. Frontiers in Cellular Neuroscience, 2014, 8, 430.	1.8	362
5	Postnatal repeated maternal deprivation produces age-dependent changes of brain-derived neurotrophic factor expression in selected rat brain regions. Biological Psychiatry, 2004, 55, 708-714.	0.7	289
6	Role for the kinase SGK1 in stress, depression, and glucocorticoid effects on hippocampal neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8708-8713.	3.3	272
7	Mode of action of agomelatine: Synergy between melatonergic and 5-HT_{2C}receptors. World Journal of Biological Psychiatry, 2011, 12, 574-587.	1.3	262
8	Glucocorticoid-Related Molecular Signaling Pathways Regulating Hippocampal Neurogenesis. Neuropsychopharmacology, 2013, 38, 872-883.	2.8	262
9	Neuronal plasticity: A link between stress and mood disorders. Psychoneuroendocrinology, 2009, 34, S208-S216.	1.3	253
10	Association between the BDNF 196 A/G polymorphism and sporadic Alzheimer's disease. Molecular Psychiatry, 2002, 7, 136-137.	4.1	223
11	Stress during development: Impact on neuroplasticity and relevance to psychopathology. Progress in Neurobiology, 2007, 81, 197-217.	2.8	191
12	Nicotine Prevents Experimental Parkinsonism in Rodents and Induces Striatal Increase of Neurotrophic Factors. Journal of Neurochemistry, 1998, 71, 2439-2446.	2.1	187
13	Glucocorticoid Receptor and FKBP5 Expression Is Altered Following Exposure to Chronic Stress: Modulation by Antidepressant Treatment. Neuropsychopharmacology, 2013, 38, 616-627.	2.8	165
14	The human BDNF gene: peripheral gene expression and protein levels as biomarkers for psychiatric disorders. Translational Psychiatry, 2016, 6, e958-e958.	2.4	158
15	The expanding role of BDNF: a therapeutic target for Alzheimer's disease?. Pharmacogenomics Journal, 2006, 6, 8-15.	0.9	150
16	Electroconvulsive Therapy (ECT) increases serum Brain Derived Neurotrophic Factor (BDNF) in drug resistant depressed patients. European Neuropsychopharmacology, 2006, 16, 620-624.	0.3	149
17	The serotoninâ€"BDNF duo: Developmental implications for the vulnerability to psychopathology. Neuroscience and Biobehavioral Reviews, 2014, 43, 35-47.	2.9	143
18	CREB, neurogenesis and depression. BioEssays, 2007, 29, 957-961.	1.2	137

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19	AMPA receptor subunit 1 (GluRâ€A) knockout mice model the glutamate hypothesis of depression. FASEB Journal, 2008, 22, 3129-3134.	0.2	133
20	Shedding light into the role of BDNF in the pharmacotherapy of Parkinson's disease. Pharmacogenomics Journal, 2006, 6, 95-104.	0.9	124
21	Genome-wide DNA Methylation Changes in a Mouse Model of Infection-Mediated Neurodevelopmental Disorders. Biological Psychiatry, 2017, 81, 265-276.	0.7	120
22	Prenatal Immune Activation Induces Maturation-Dependent Alterations in the Prefrontal GABAergic Transcriptome. Schizophrenia Bulletin, 2014, 40, 351-361.	2.3	117
23	GeneÃ¢â‚¬â€œEnvironment Interaction in Major Depression: Focus on Experience-Dependent Biological Systems. Frontiers in Psychiatry, 2015, 6, 68.	1.3	113
24	Preventive effects of minocycline in a neurodevelopmental two-hit model with relevance to schizophrenia. Translational Psychiatry, 2016, 6, e772-e772.	2.4	111
25	Chronic Duloxetine Treatment Induces Specific Changes in the Expression of BDNF Transcripts and in the Subcellular Localization of the Neurotrophin Protein. Neuropsychopharmacology, 2007, 32, 2351-2359.	2.8	110
26	Inflammation and neuronal plasticity: a link between childhood trauma and depression pathogenesis. Frontiers in Cellular Neuroscience, 2015, 9, 40.	1.8	110
27	Corticostriatal brain-derived neurotrophic factor dysregulation in adult rats following prenatal stress. European Journal of Neuroscience, 2004, 20, 1348-1354.	1.2	108
28	Reduced function of the serotonin transporter is associated with decreased expression of BDNF in rodents as well as in humans. Neurobiology of Disease, 2010, 37, 747-755.	2.1	107
29	Acute Stress Responsiveness of the Neurotrophin BDNF in the Rat Hippocampus is Modulated by Chronic Treatment with the Antidepressant Duloxetine. Neuropsychopharmacology, 2009, 34, 1523-1532.	2.8	104
30	Chronic treatment with fluoxetine up-regulates cellular BDNF mRNA expression in rat dopaminergic regions. International Journal of Neuropsychopharmacology, 2006, 9, 307.	1.0	103
31	Late prenatal immune activation causes hippocampal deficits in the absence of persistent inflammation across aging. Journal of Neuroinflammation, 2015, 12, 221.	3.1	100
32	Absolute Measurements of Macrophage Migration Inhibitory Factor and Interleukin-1-Î² mRNA Levels Accurately Predict Treatment Response in Depressed Patients. International Journal of Neuropsychopharmacology, 2016, 19, pyw045.	1.0	100
33	Fluoxetine and olanzapine have synergistic effects in the modulation of fibroblast growth factor 2 expression within the rat brain. Biological Psychiatry, 2004, 55, 1095-1102.	0.7	99
34	Chronic fluoxetine administration inhibits extracellular signal-regulated kinase 1/2 phosphorylation in rat brain. Journal of Neurochemistry, 2005, 93, 1551-1560.	2.1	98
35	Basic fibroblast growth factor mRNA increases in specific brain regions following convulsive seizures. Molecular Brain Research, 1992, 15, 311-318.	2.5	97
36	Repeated exposure to cocaine differently modulates BDNF mRNA and protein levels in rat striatum and prefrontal cortex. European Journal of Neuroscience, 2007, 26, 2756-2763.	1.2	97

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37	The puzzle box as a simple and efficient behavioral test for exploring impairments of general cognition and executive functions in mouse models of schizophrenia. Experimental Neurology, 2011, 227, 42-52.	2.0	97
38	Lack of effect of chronic dopamine receptor blockade on D2 dopamine receptor mRNA level. Neuroscience Letters, 1990, 111, 303-308.	1.0	94
39	Cellular and molecular mechanisms of the brain-derived neurotrophic factor in physiological and pathological conditions. Clinical Science, 2017, 131, 123-138.	1.8	93
40	Modulation of fibroblast growth factor-2 by stress and corticosteroids: from developmental events to adult brain plasticity. Brain Research Reviews, 2001, 37, 249-258.	9.1	92
41	Stress-induced anhedonia is associated with the activation of the inflammatory system in the rat brain: Restorative effect of pharmacological intervention. Pharmacological Research, 2016, 103, 1-12.	3.1	91
42	Stress-Induced Changes of Hippocampal NMDA Receptors: Modulation by Duloxetine Treatment. PLoS ONE, 2012, 7, e37916.	1.1	90
43	Stress-induced mechanisms in mental illness: A role for glucocorticoid signalling. Journal of Steroid Biochemistry and Molecular Biology, 2016, 160, 169-174.	1.2	89
44	Modulation of the inflammatory response in rats chronically treated with the antidepressant agomelatine. European Neuropsychopharmacology, 2013, 23, 1645-1655.	0.3	88
45	The impact of environmental enrichment on sex-specific neurochemical circuitries â€“ Effects on brain-derived neurotrophic factor and the serotonergic system. Neuroscience, 2012, 220, 267-276.	1.1	84
46	MORC1 exhibits cross-species differential methylation in association with early life stress as well as genome-wide association with MDD. Translational Psychiatry, 2014, 4, e429-e429.	2.4	82
47	BDNF gene expression is reduced in the frontal cortex of dopamine transporter knockout mice. Molecular Psychiatry, 2003, 8, 898-899.	4.1	79
48	Striatal increase of neurotrophic factors as a mechanism of nicotine protection in experimental parkinsonism. Journal of Neural Transmission, 1997, 104, 1113-1123.	1.4	77
49	Developmental expression of the basic fibroblast growth factor gene in rat brain. Developmental Brain Research, 1991, 62, 45-50.	2.1	75
50	Regulation of NMDA receptor subunit messenger RNA levels in the rat brain following acute and chronic exposure to antipsychotic drugs. Molecular Brain Research, 1997, 50, 136-142.	2.5	75
51	Antipsychotic drug actions on gene modulation and signaling mechanisms. , 2009, 124, 74-85.		75
52	Prenatal versus postnatal maternal factors in the development of infection-induced working memory impairments in mice. Brain, Behavior, and Immunity, 2013, 33, 190-200.	2.0	75
53	Maternal deprivation and early handling affect density of calcium binding protein-containing neurons in selected brain regions and emotional behavior in periadolescent rats. Neuroscience, 2007, 145, 568-578.	1.1	73
54	Reduced neuroplasticity in aged rats: a role for the neurotrophin brain-derived neurotrophic factor. Neurobiology of Aging, 2013, 34, 2768-2776.	1.5	73

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55	FoxO1, A2M, and TGF-Î²1: three novel genes predicting depression in gene X environment interactions are identified using cross-species and cross-tissues transcriptomic and miRNomic analyses. Molecular Psychiatry, 2018, 23, 2192-2208.	4.1	73
56	Regulation of NMDA receptor subunit mRNA expression in the rat brain during postnatal development. Molecular Brain Research, 1994, 25, 209-216.	2.5	72
57	Developmental and stress-related changes of neurotrophic factor gene expression in an animal model of schizophrenia. Molecular Psychiatry, 2001, 6, 285-292.	4.1	71
58	Effect of antipsychotic drugs on brain-derived neurotrophic factor expression under reduced N-methyl-D-aspartate receptor activity. Journal of Neuroscience Research, 2003, 72, 622-628.	1.3	68
59	The Expression of VGF is Reduced in Leukocytes of Depressed Patients and it is Restored by Effective Antidepressant Treatment. Neuropsychopharmacology, 2010, 35, 1423-1428.	2.8	68
60	Inhibition of nitric oxide synthase dramatically potentiates seizures induced by kainic acid and pilocarpine in rats. Brain Research, 1995, 679, 184-187.	1.1	66
61	Quetiapine regulates FGF-2 and BDNF expression in the hippocampus of animals treated with MK-801. NeuroReport, 2004, 15, 2109-2112.	0.6	66
62	Early maternal deprivation as an animal model for schizophrenia. Clinical Neuroscience Research, 2003, 3, 297-302.	0.8	64
63	Short- and long-term induction of basic fibroblast growth factor gene expression in rat central nervous system following kainate injection. Neuroscience, 1994, 59, 55-65.	1.1	62
64	Delayed BDNF alterations in the prefrontal cortex of rats exposed to prenatal stress: Preventive effect of lurasidone treatment during adolescence. European Neuropsychopharmacology, 2014, 24, 986-995.	0.3	62
65	Sub-chronic exposure to atomoxetine up-regulates BDNF expression and signalling in the brain of adolescent spontaneously hypertensive rats: Comparison with methylphenidate. Pharmacological Research, 2010, 62, 523-529.	3.1	60
66	Synergistic mechanisms in the modulation of the neurotrophin BDNF in the rat prefrontal cortex following acute agomelatine administration. World Journal of Biological Psychiatry, 2010, 11, 148-153.	1.3	60
67	Modulation of neuroplastic molecules in selected brain regions after chronic administration of the novel antidepressant agomelatine. Psychopharmacology, 2011, 215, 267-275.	1.5	60
68	Prenatal stress alters glutamatergic system responsiveness in adult rat prefrontal cortex. Journal of Neurochemistry, 2009, 109, 1733-1744.	2.1	59
69	Modulation of BDNF expression by repeated treatment with the novel antipsychotic lurasidone under basal condition and in response to acute stress. International Journal of Neuropsychopharmacology, 2012, 15, 235-246.	1.0	59
70	Dynamic Regulation of Glutamatergic Postsynaptic Activity in Rat Prefrontal Cortex by Repeated Administration of Antipsychotic Drugs. Molecular Pharmacology, 2008, 73, 1484-1490.	1.0	58
71	Developmental Influence of the Serotonin Transporter on the Expression of Npas4 and GABAergic Markers: Modulation by Antidepressant Treatment. Neuropsychopharmacology, 2012, 37, 746-758.	2.8	58
72	Blood biomarkers and treatment response in major depression. Expert Review of Molecular Diagnostics, 2018, 18, 513-529.	1.5	58

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73	Long-Term Duloxetine Treatment Normalizes Altered Brain-Derived Neurotrophic Factor Expression in Serotonin Transporter Knockout Rats through the Modulation of Specific Neurotrophin Isoforms. Molecular Pharmacology, 2010, 77, 846-853.	1.0	56
74	From Healthy Aging to Frailty: In Search of the Underlying Mechanisms. Current Medicinal Chemistry, 2019, 26, 3685-3701.	1.2	55
75	Effect of progesterone, testosterone and their 5Î±-reduced metabolites on GFAP gene expression in type 1 astrocytes. Brain Research, 1996, 711, 10-15.	1.1	53
76	Prenatal stress elicits regionally selective changes in basal FGF-2 gene expression in adulthood and alters the adult response to acute or chronic stress. Neurobiology of Disease, 2005, 20, 731-737.	2.1	51
77	Prolonged abstinence from developmental cocaine exposure dysregulates BDNF and its signaling network in the medial prefrontal cortex of adult rats. International Journal of Neuropsychopharmacology, 2014, 17, 625-634.	1.0	51
78	Modulation of glutamate receptors in response to the novel antipsychotic olanzapine in rats. Biological Psychiatry, 2001, 50, 117-122.	0.7	50
79	Opposite Regulation of Basic Fibroblast Growth Factor and Nerve Growth Factor Gene Expression in Rat Cortical Astrocytes Following Dexamethasone Treatment. Journal of Neurochemistry, 1995, 64, 2526-2533.	2.1	50
80	Aripiprazole: from pharmacological profile to clinical use. Neuropsychiatric Disease and Treatment, 2015, 11, 2635.	1.0	50
81	Genome-Wide Transcriptional Profiling and Structural Magnetic Resonance Imaging in the Maternal Immune Activation Model of Neurodevelopmental Disorders. Cerebral Cortex, 2017, 27, 3397-3413.	1.6	50
82	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. Journal of Psychopharmacology, 2010, 24, 595-603.	2.0	49
83	Decreased Bdnf expression and reduced social behavior in periadolescent rats following prenatal stress. Developmental Psychobiology, 2015, 57, 365-373.	0.9	49
84	Stimulatory role of dopamine on fibroblast growth factor-2 expression in rat striatum. Journal of Neurochemistry, 2001, 76, 990-997.	2.1	48
85	Lurasidone Exerts Antidepressant Properties in the Chronic Mild Stress Model through the Regulation of Synaptic and Neuroplastic Mechanisms in the Rat Prefrontal Cortex. International Journal of Neuropsychopharmacology, 2015, 18, .	1.0	48
86	Transcriptomics in Interferon-Î±-Treated Patients Identifies Inflammation-, Neuroplasticity- and Oxidative Stress-Related Signatures as Predictors and Correlates of Depression. Neuropsychopharmacology, 2016, 41, 2502-2511.	2.8	48
87	BDNF rs6265 methylation and genotype interact on risk for schizophrenia. Epigenetics, 2016, 11, 11-23.	1.3	48
88	Corticostriatal Up-Regulation of Activity-Regulated Cytoskeletal-Associated Protein Expression after Repeated Exposure to Cocaine. Molecular Pharmacology, 2006, 70, 1726-1734.	1.0	47
89	Regulation of Ionotropic Glutamate Receptors in the Rat Brain in Response to the Atypical Antipsychotic Seroquel (Quetiapine Fumarate). Neuropsychopharmacology, 1999, 21, 211-217.	2.8	46
90	Emerging role of the FGF system in psychiatric disorders. Trends in Pharmacological Sciences, 2005, 26, 228-231.	4.0	46

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91	MicroRNAs and psychiatric disorders: From aetiology to treatment. , 2016, 167, 13-27.		45
92	Selective modulation of fibroblast growth factor-2 expression in the rat brain by the atypical antipsychotic clozapine. Neuropharmacology, 1999, 38, 1075-1082.	2.0	44
93	Repeated stress prevents cocaine-induced activation of BDNF signaling in rat prefrontal cortex. European Neuropsychopharmacology, 2009, 19, 402-408.	0.3	44
94	Social isolation in rats: Effects on animal welfare and molecular markers for neuroplasticity. PLoS ONE, 2020, 15, e0240439.	1.1	44
95	Region-specific effects on BDNF expression after contingent or non-contingent cocaine i.v. self-administration in rats. International Journal of Neuropsychopharmacology, 2013, 16, 913-918.	1.0	43
96	Lack of Serotonin Transporter Alters BDNF Expression in the Rat Brain During Early Postnatal Development. Molecular Neurobiology, 2013, 48, 244-256.	1.9	43
97	International Union of Basic and Clinical Pharmacology CIV: The Neurobiology of Treatment-resistant Depression: From Antidepressant Classifications to Novel Pharmacological Targets. Pharmacological Reviews, 2018, 70, 475-504.	7.1	42
98	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. Schizophrenia Research, 2019, 205, 63-75.	1.1	40
99	The interaction between the internal clock and antidepressant efficacy. International Clinical Psychopharmacology, 2007, 22, S9-S14.	0.9	39
100	Oxidation-reduction mechanisms in psychiatric disorders: A novel target for pharmacological intervention. , 2020, 210, 107520.		39
101	Ageâ€Related Changes in Rat Serotonergic and Adrenergic Systems and in Receptor Responsiveness to Subchronic Desipramine Treatment. Basic and Clinical Pharmacology and Toxicology, 1988, 63, 150-155.	0.0	38
102	Antistress properties of antidepressant drugs and their clinical implications. , 2011, 132, 39-56.		38
103	Exposure to early life stress regulates Bdnf expression in <scp>SERT</scp> mutant rats in an anatomically selective fashion. Journal of Neurochemistry, 2015, 132, 146-154.	2.1	38
104	Chronic mild stress-induced alterations of clock gene expression in rat prefrontal cortex: modulatory effects of prolonged lurasidone treatment. Pharmacological Research, 2016, 104, 140-150.	3.1	38
105	Modulation of neuronal plasticity following chronic concomitant administration of the novel antipsychotic lurasidone with the mood stabilizer valproic acid. Psychopharmacology, 2013, 226, 101-112.	1.5	37
106	Prenatal maternal factors in the development of cognitive impairments in the offspring. Journal of Reproductive Immunology, 2014, 104-105, 20-25.	0.8	37
107	Long-Term Sex-Dependent Vulnerability to Metabolic challenges in Prenatally Stressed Rats. Frontiers in Behavioral Neuroscience, 2017, 11, 113.	1.0	37
108	Chronic Stress Exposure Reduces Parvalbumin Expression in the Rat Hippocampus through an Imbalance of Redox Mechanisms: Restorative Effect of the Antipsychotic Lurasidone. International Journal of Neuropsychopharmacology, 2018, 21, 883-893.	1.0	37

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109	The role of dopamine D₃receptors in the mechanism of action of cariprazine. CNS Spectrums, 2020, 25, 343-351.	0.7	37
110	The impact of handling technique and handling frequency on laboratory mouse welfare is sex-specific. Scientific Reports, 2020, 10, 17281.	1.6	37
111	Effects of steroid hormones on gene expression of glial markers in the central and peripheral nervous system: variations induced by aging. Experimental Gerontology, 1998, 33, 827-836.	1.2	36
112	Systemic Delivery of a Brain-Penetrant TrkB Antagonist Reduces Cocaine Self-Administration and Normalizes TrkB Signaling in the Nucleus Accumbens and Prefrontal Cortex. Journal of Neuroscience, 2016, 36, 8149-8159.	1.7	36
113	Neurotrophic Factors in Neurodegenerative Disorders. CNS Drugs, 2008, 22, 1005-1019.	2.7	35
114	Dynamic regulation of fibroblast growth factor 2 (FGF-2) gene expression in the rat brain following single and repeated cocaine administration. Journal of Neurochemistry, 2006, 96, 996-1004.	2.1	34
115	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. Molecular Pharmacology, 2006, 69, 1366-1372.	1.0	34
116	Ankyrin-3 as a molecular marker of early-life stress and vulnerability to psychiatric disorders. Translational Psychiatry, 2016, 6, e943-e943.	2.4	34
117	Depression, obesity and their comorbidity during pregnancy: effects on the offspringâ€™s mental and physical health. Molecular Psychiatry, 2021, 26, 462-481.	4.1	34
118	Synaptic alterations associated with depression and schizophrenia: potential as a therapeutic target. Expert Opinion on Therapeutic Targets, 2016, 20, 1195-1207.	1.5	33
119	Different patterns of induction of FGF-2, FGF-1 and BDNF mRNAs during kindling epileptogenesis in the rat. European Journal of Neuroscience, 1998, 10, 955-963.	1.2	32
120	Single session of cocaine intravenous self-administration shapes goal-oriented behaviours and up-regulates Arc mRNA levels in rat medial prefrontal cortex. International Journal of Neuropsychopharmacology, 2009, 12, 423.	1.0	32
121	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. Frontiers in Behavioral Neuroscience, 2014, 8, 355.	1.0	32
122	Antipsychotic drugs modulate Arc expression in the rat brain. European Neuropsychopharmacology, 2009, 19, 109-115.	0.3	31
123	Behavioural and neuroplastic properties of chronic lurasidone treatment in serotonin transporter knockout rats. International Journal of Neuropsychopharmacology, 2013, 16, 1319-1330.	1.0	31
124	Phenotype of mice with inducible ablation of GluA1 AMPA receptors during late adolescence: Relevance for mental disorders. Hippocampus, 2014, 24, 424-435.	0.9	31
125	Behavioral Effects of the Benzodiazepine-Positive Allosteric Modulator SH-053-2â€™F-S-CH3 in an Immune-Mediated Neurodevelopmental Disruption Model. International Journal of Neuropsychopharmacology, 2015, 18, .	1.0	31
126	Sex-Specific Effects of Prenatal Stress on Bdnf Expression in Response to an Acute Challenge in Rats: a Role for Gadd45Î². Molecular Neurobiology, 2016, 53, 7037-7047.	1.9	30

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127	Age-related changes in 5HT uptake and [3H]imipramine binding sites in rat cerebral cortex. European Journal of Pharmacology, 1985, 110, 393-394.	1.7	29
128	Molecular and cellular dissection of NMDA receptor subtypes as antidepressant targets. Neuroscience and Biobehavioral Reviews, 2018, 84, 352-358.	2.9	29
129	Acute Stress Induces Cognitive Improvement in the Novel Object Recognition Task by Transiently Modulating Bdnf in the Prefrontal Cortex of Male Rats. Cellular and Molecular Neurobiology, 2020, 40, 1037-1047.	1.7	29
130	Basal and stress-induced modulation of activity-regulated cytoskeletal associated protein (Arc) in the rat brain following duloxetine treatment. Psychopharmacology, 2008, 201, 285-292.	1.5	28
131	Repeated electroconvulsive shock (ECS) alters the phosphorylation of glutamate receptor subunits in the rat hippocampus. International Journal of Neuropsychopharmacology, 2010, 13, 1255-1260.	1.0	28
132	Significant increase in anxiety during aging in mGlu5 receptor knockout mice. Behavioural Brain Research, 2013, 241, 27-31.	1.2	28
133	Daily exposure to a touchscreen-paradigm and associated food restriction evokes an increase in adrenocortical and neural activity in mice. Hormones and Behavior, 2016, 81, 97-105.	1.0	27
134	Chronic Mild Stress-Induced Alterations of Local Protein Synthesis: A Role for Cognitive Impairment. ACS Chemical Neuroscience, 2017, 8, 817-825.	1.7	27
135	Chronic vortioxetine treatment improves the responsiveness to an acute stress acting through the ventral hippocampus in a glucocorticoid-dependent way. Pharmacological Research, 2019, 142, 14-21.	3.1	27
136	EFFECT OF SOME TRICYCLIC AND NONTRICYCLIC ANTIDEPRESSANTS ON [³H]IMIPRAMINE BINDING AND SEROTONIN UPTAKE IN RAT CEREBRAL CORTEX AFTER PROLONGED TREATMENT. Fundamental and Clinical Pharmacology, 1987, 1, 327-333.	1.0	26
137	Corticosteroid Effects on Gene Expression of Myelin Basic Protein in Oligodendrocytes and of Glial Fibrillary Acidic Protein in Type 1 Astrocytes. Journal of Neuroendocrinology, 1997, 9, 729-733.	1.2	26
138	Dopaminergic D2 receptor activation modulates FGF-2 gene expression in rat prefrontal cortex and hippocampus. Journal of Neuroscience Research, 2003, 74, 74-80.	1.3	26
139	Chronic phencyclidine administration reduces the expression and editing of specific glutamate receptors in rat prefrontal cortex. Experimental Neurology, 2007, 208, 54-62.	2.0	26
140	Differential c-Fos induction by different NMDA receptor antagonists with antidepressant efficacy: potential clinical implications. International Journal of Neuropsychopharmacology, 2009, 12, 1133.	1.0	26
141	Towards Novel Treatments for Schizophrenia: Molecular and Behavioural Signatures of the Psychotropic Agent SEP-363856. International Journal of Molecular Sciences, 2021, 22, 4119.	1.8	26
142	Adrenalectomy reduces FGF-1 and FGF-2 gene expression in specific rat brain regions and differently affects their induction by seizures. Molecular Brain Research, 1995, 34, 190-196.	2.5	25
143	The preclinical profile of lurasidone: clinical relevance for the treatment of schizophrenia. Expert Opinion on Drug Discovery, 2013, 8, 1297-1307.	2.5	25
144	Repeated aripiprazole treatment regulates Bdnf, Arc and Npas4 expression under basal condition as well as after an acute swim stress in the rat brain. Pharmacological Research, 2014, 80, 1-8.	3.1	25

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145	Cross-species evidence from human and rat brain transcriptome for growth factor signaling pathway dysregulation in major depression. Neuropsychopharmacology, 2018, 43, 2134-2145.	2.8	25
146	Transcriptional Signatures of Cognitive Impairment in Rat Exposed to Prenatal Stress. Molecular Neurobiology, 2019, 56, 6251-6260.	1.9	25
147	Effect of Different Photoperiod Exposure on [3H]Imipramine Binding and Serotonin Uptake in the Rat Brain. Journal of Neurochemistry, 1989, 52, 507-514.	2.1	24
148	Astrocyte-Neuron Interactions in Vitro: Role of Growth Factors and Steroids on LHRH Dynamics. Brain Research Bulletin, 1997, 44, 465-469.	1.4	24
149	3â€² UTR (AGG)n repeat of glial cell line-derived neurotrophic factor (GDNF) gene polymorphism in schizophrenia. Neuroscience Letters, 2004, 357, 235-237.	1.0	24
150	Fetal glucocorticoid receptor (Nr3c1) deficiency alters the landscape of DNA methylation of murine placenta in a sex-dependent manner and is associated to anxiety-like behavior in adulthood. Translational Psychiatry, 2019, 9, 23.	2.4	23
151	Differential regulation of FGF-2 and FGFR-1 in rat cortical astrocytes by dexamethasone and isoproterenol. Molecular Brain Research, 1998, 57, 38-45.	2.5	22
152	Olive oil-enriched diet reduces brain oxidative damages and ameliorates neurotrophic factor gene expression in different life stages of rats. Journal of Nutritional Biochemistry, 2015, 26, 1200-1207.	1.9	22
153	Chronic lurasidone treatment normalizes GABAergic marker alterations in the dorsal hippocampus of mice exposed to prenatal immune activation. European Neuropsychopharmacology, 2017, 27, 170-179.	0.3	22
154	Present and future antipsychotic drugs: A systematic review of the putative mechanisms of action for efficacy and a critical appraisal under a translational perspective. Pharmacological Research, 2022, 176, 106078.	3.1	22
155	Preclinical animal models of mental illnesses to translate findings from the bench to the bedside: Molecular brain mechanisms and peripheral biomarkers associated to early life stress or immune challenges. European Neuropsychopharmacology, 2022, 58, 55-79.	0.3	22
156	Maternal stress during pregnancy induces depressive-like behavior only in female offspring and correlates to their hippocampal Avp and Oxt receptor expression. Behavioural Brain Research, 2018, 353, 1-10.	1.2	21
157	Differential Neuroinflammatory Response in Male and Female Mice: A Role for BDNF. Frontiers in Molecular Neuroscience, 2019, 12, 166.	1.4	21
158	Postnatal impoverished housing impairs adolescent risk-assessment and increases risk-taking: A sex-specific effect associated with histone epigenetic regulation of Crfr1 in the medial prefrontal cortex. Psychoneuroendocrinology, 2019, 99, 8-19.	1.3	21
159	Drug repositioning for treatment-resistant depression: Hypotheses from a pharmacogenomic study. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 104, 110050.	2.5	21
160	Long-lasting effects of prenatal stress on HPA axis and inflammation: A systematic review and multilevel meta-analysis in rodent studies. Neuroscience and Biobehavioral Reviews, 2021, 127, 270-283.	2.9	21
161	Reduction of Corticostriatal Glutamatergic Fibers in Basic Fibroblast Growth Factor Deficient Mice is Associated with Hyperactivity and Enhanced Dopaminergic Transmission. Biological Psychiatry, 2007, 62, 235-242.	0.7	20
162	Altered expression and modulation of activity-regulated cytoskeletal associated protein (Arc) in serotonin transporter knockout rats. European Neuropsychopharmacology, 2009, 19, 898-904.	0.3	20

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164	Touchscreen-paradigm for mice reveals cross-species evidence for an antagonistic relationship of cognitive flexibility and stability. Frontiers in Behavioral Neuroscience, 2014, 8, 154.	1.0	20
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