

Maarten van den Buuse

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186
papers

4,828
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192
ext. papers

5,471
ext. citations

4.5
avg, IF

6.13
L-index

#	Paper	IF	Citations
186	Modeling the positive symptoms of schizophrenia in genetically modified mice: pharmacology and methodology aspects. <i>Schizophrenia Bulletin</i> , 2010 , 36, 246-70	1.3	257
185	Pituitary volume predicts future transition to psychosis in individuals at ultra-high risk of developing psychosis. <i>Biological Psychiatry</i> , 2005 , 58, 417-23	7.9	174
184	Brain-derived neurotrophic factor promotes central nervous system myelination via a direct effect upon oligodendrocytes. <i>NeuroSignals</i> , 2010 , 18, 186-202	1.9	165
183	The effect of estrogen on dopamine and serotonin receptor and transporter levels in the brain: an autoradiography study. <i>Brain Research</i> , 2010 , 1321, 51-9	3.7	100
182	Combined neonatal stress and young-adult glucocorticoid stimulation in rats reduce BDNF expression in hippocampus: effects on learning and memory. <i>Hippocampus</i> , 2008 , 18, 655-67	3.5	99
181	Clozapine reverses schizophrenia-related behaviours in the metabotropic glutamate receptor 5 knockout mouse: association with N-methyl-D-aspartic acid receptor up-regulation. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 45-60	5.8	98
180	A role for the BDNF gene Val66Met polymorphism in schizophrenia? A comprehensive review. <i>Neuroscience and Biobehavioral Reviews</i> , 2015 , 51, 15-30	9	96
179	Neurobiology of BDNF in fear memory, sensitivity to stress, and stress-related disorders. <i>Molecular Psychiatry</i> , 2020 , 25, 2251-2274	15.1	95
178	BDNF impairment is associated with age-related changes in the inner retina and exacerbates experimental glaucoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1567-78	6.9	88
177	Neuregulin 1 hypomorphic mutant mice: enhanced baseline locomotor activity but normal psychotropic drug-induced hyperlocomotion and prepulse inhibition regulation. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1383-93	5.8	80
176	Estrogen increases prepulse inhibition of acoustic startle in rats. <i>European Journal of Pharmacology</i> , 2001 , 425, 33-41	5.3	78
175	Sex-specific disruptions in spatial memory and anhedonia in a "two hit" rat model correspond with alterations in hippocampal brain-derived neurotrophic factor expression and signaling. <i>Hippocampus</i> , 2014 , 24, 1197-211	3.5	69
174	N-acetyl cysteine restores brain glutathione loss in combined 2-cyclohexene-1-one and d-amphetamine-treated rats: relevance to schizophrenia and bipolar disorder. <i>Neuroscience Letters</i> , 2011 , 499, 149-53	3.3	66
173	Early maternal deprivation reduces prepulse inhibition and impairs spatial learning ability in adulthood: no further effect of post-pubertal chronic corticosterone treatment. <i>Behavioural Brain Research</i> , 2007 , 176, 323-32	3.4	66
172	Estrogen and progesterone prevent disruption of prepulse inhibition by the serotonin-1A receptor agonist 8-hydroxy-2-dipropylaminotetralin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 309, 267-74	4.7	63
171	Sex-dependent and region-specific changes in TrkB signaling in BDNF heterozygous mice. <i>Brain Research</i> , 2011 , 1384, 51-60	3.7	62
170	Electrically stimulated [³ H]dopamine and [¹⁴ C]acetylcholine release from nucleus caudatus slices: differences between spontaneously hypertensive rats and Wistar-Kyoto rats. <i>Brain Research</i> , 1990 , 509, 266-72	3.7	62

169	Improved spatial recognition memory in mice lacking adenosine A2A receptors. <i>Experimental Neurology</i> , 2006 , 199, 438-45	5.7	60
168	Glutathione depletion in the brain disrupts short-term spatial memory in the Y-maze in rats and mice. <i>Behavioural Brain Research</i> , 2009 , 198, 258-62	3.4	59
167	Reduced startle habituation and prepulse inhibition in mice lacking the adenosine A2A receptor. <i>Behavioural Brain Research</i> , 2003 , 143, 201-7	3.4	58
166	Is the mTOR-signalling cascade disrupted in Schizophrenia?. <i>Journal of Neurochemistry</i> , 2014 , 129, 377-87		56
165	Estrogen treatment blocks 8-hydroxy-2-dipropylaminotetralin- and apomorphine-induced disruptions of prepulse inhibition: involvement of dopamine D1 or D2 or serotonin 5-HT1A, 5-HT2A, or 5-HT7 receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 333, 218-27	4.7	56
164	Impaired spatial reference memory in aromatase-deficient (ArKO) mice. <i>NeuroReport</i> , 2003 , 14, 1979-82	1.7	55
163	Long-term behavioral and NMDA receptor effects of young-adult corticosterone treatment in BDNF heterozygous mice. <i>Neurobiology of Disease</i> , 2012 , 46, 722-31	7.5	54
162	Brain-Derived Neurotrophic Factor (BDNF): Novel Insights into Regulation and Genetic Variation. <i>Neuroscientist</i> , 2019 , 25, 434-454	7.6	54
161	The role of estrogen and testosterone in female rats in behavioral models of relevance to schizophrenia. <i>Psychopharmacology</i> , 2012 , 219, 213-24	4.7	51
160	Estrogen prevents 5-HT1A receptor-induced disruptions of prepulse inhibition in healthy women. <i>Neuropsychopharmacology</i> , 2006 , 31, 885-9	8.7	51
159	Sex differences in the adolescent developmental trajectory of parvalbumin interneurons in the hippocampus: a role for estradiol. <i>Psychoneuroendocrinology</i> , 2014 , 45, 167-78	5	50
158	Serotonin depletion in the dorsal and ventral hippocampus: effects on locomotor hyperactivity, prepulse inhibition and learning and memory. <i>Neuropharmacology</i> , 2008 , 55, 1048-55	5.5	50
157	Alpha-synuclein transgenic mice exhibit reduced anxiety-like behaviour. <i>Experimental Neurology</i> , 2008 , 210, 788-92	5.7	49
156	Endothelin and dopamine release. <i>Progress in Neurobiology</i> , 2000 , 60, 385-405	10.9	48
155	The effect of 'two hit' neonatal and young-adult stress on dopaminergic modulation of prepulse inhibition and dopamine receptor density. <i>British Journal of Pharmacology</i> , 2009 , 156, 388-96	8.6	47
154	Progesterone: The neglected hormone in schizophrenia? A focus on progesterone-dopamine interactions. <i>Psychoneuroendocrinology</i> , 2016 , 74, 126-140	5	46
153	A genetic epilepsy rat model displays endophenotypes of psychosis. <i>Neurobiology of Disease</i> , 2010 , 39, 116-25	7.5	45
152	Environmental Enrichment Ameliorates Behavioral Impairments Modeling Schizophrenia in Mice Lacking Metabotropic Glutamate Receptor 5. <i>Neuropsychopharmacology</i> , 2015 , 40, 1947-56	8.7	44

151	Effects of N-acetyl-cysteine treatment on glutathione depletion and a short-term spatial memory deficit in 2-cyclohexene-1-one-treated rats. <i>European Journal of Pharmacology</i> , 2010 , 649, 224-8	5.3	44
150	Differential role of serotonergic projections arising from the dorsal and median raphe nuclei in locomotor hyperactivity and prepulse inhibition. <i>Neuropsychopharmacology</i> , 2003 , 28, 2138-47	8.7	42
149	The effect of low estrogen state on serotonin transporter function in mouse hippocampus: a behavioral and electrochemical study. <i>Brain Research</i> , 2005 , 1064, 10-20	3.7	42
148	Gender differences in prepulse inhibition (PPI) in bipolar disorder: men have reduced PPI, women have increased PPI. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1249-59	5.8	40
147	24-hour recordings of blood pressure, heart rate and behavioural activity in rabbits by radio-telemetry: effects of feeding and hypertension. <i>Physiology and Behavior</i> , 1997 , 62, 83-9	3.5	40
146	Brain dopamine depletion by lesions in the substantia nigra attenuates the development of hypertension in the spontaneously hypertensive rat. <i>Brain Research</i> , 1986 , 368, 69-78	3.7	38
145	Drugs of abuse and increased risk of psychosis development. <i>Australian and New Zealand Journal of Psychiatry</i> , 2012 , 46, 1120-35	2.6	36
144	BDNF deficiency and young-adult methamphetamine induce sex-specific effects on prepulse inhibition regulation. <i>Frontiers in Cellular Neuroscience</i> , 2013 , 7, 92	6.1	36
143	Attenuated disruption of prepulse inhibition by dopaminergic stimulation after maternal deprivation and adolescent corticosterone treatment in rats. <i>European Neuropsychopharmacology</i> , 2008 , 18, 1-13	1.2	35
142	Stimulation of the rat mesolimbic dopaminergic system produces a pressor response which is mediated by dopamine D-1 and D-2 receptor activation and the release of vasopressin. <i>Brain Research</i> , 1995 , 701, 28-38	3.7	35
141	Involvement of corticosterone in cardiovascular responses to an open-field novelty stressor in freely moving rats. <i>Physiology and Behavior</i> , 2002 , 75, 207-15	3.5	34
140	Cardiovascular and behavioural responses to psychological stress in spontaneously hypertensive rats: effect of treatment with DSP-4. <i>Behavioural Brain Research</i> , 2001 , 119, 131-42	3.4	34
139	Castration reduces the effect of serotonin-1A receptor stimulation on prepulse inhibition in rats. <i>Behavioral Neuroscience</i> , 2003 , 117, 1407-15	2.1	33
138	Deficient prepulse inhibition of acoustic startle in Hooded-Wistar rats compared with Sprague-Dawley rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003 , 30, 254-61	3	32
137	Brain-derived neurotrophic factor expression is increased in the hippocampus of 5-HT(2C) receptor knockout mice. <i>Hippocampus</i> , 2011 , 21, 434-45	3.5	30
136	Role of the mesolimbic dopamine system in cardiovascular homeostasis. Stimulation of the ventral tegmental area modulates the effect of vasopressin on blood pressure in conscious rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998 , 25, 661-8	3	30
135	Effect of adrenalectomy and corticosterone replacement on prepulse inhibition and locomotor activity in mice. <i>British Journal of Pharmacology</i> , 2004 , 142, 543-50	8.6	30
134	Brain dopamine D-2 receptor mechanisms in spontaneously hypertensive rats. <i>Brain Research Bulletin</i> , 1992 , 28, 289-97	3.9	30

133	Long-term effects of combined neonatal and adolescent stress on brain-derived neurotrophic factor and dopamine receptor expression in the rat forebrain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 2126-35	6.9	29
132	Role of serotonin-1A receptors in the action of antipsychotic drugs: comparison of prepulse inhibition studies in mice and rats and relevance for human pharmacology. <i>Behavioural Pharmacology</i> , 2008 , 19, 548-61	2.4	29
131	Differential effects of antipsychotic drugs on serotonin-1A receptor-mediated disruption of prepulse inhibition. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 1224-36	4.7	29
130	Hippocampal NMDA receptor subunit expression and watermaze learning in estrogen deficient female mice. <i>Molecular Brain Research</i> , 2005 , 140, 127-32		29
129	14-3-3 β deficient mice in the BALB/c background display behavioural and anatomical defects associated with neurodevelopmental disorders. <i>Scientific Reports</i> , 2015 , 5, 12434	4.9	28
128	Enhanced effects of amphetamine but reduced effects of the hallucinogen, 5-MeO-DMT, on locomotor activity in 5-HT(1A) receptor knockout mice: implications for schizophrenia. <i>Neuropharmacology</i> , 2011 , 61, 209-16	5.5	28
127	Functional dissociation between serotonergic pathways in dorsal and ventral hippocampus in psychotomimetic drug-induced locomotor hyperactivity and prepulse inhibition in rats. <i>European Journal of Neuroscience</i> , 2004 , 20, 3424-32	3.5	28
126	Pressor responses to electrical and chemical stimulation of the rat brain A10 dopaminergic system. <i>Neuroscience Letters</i> , 1994 , 176, 142-6	3.3	28
125	Gene-environment interaction of reelin and stress in cognitive behaviours in mice: Implications for schizophrenia. <i>Behavioural Brain Research</i> , 2015 , 287, 304-14	3.4	27
124	Altered N-methyl-D-aspartate receptor function in reelin heterozygous mice: male-female differences and comparison with dopaminergic activity. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012 , 37, 237-46	5.5	27
123	Involvement of serotonin1A receptors in cardiovascular responses to stress: a radio-telemetry study in four rat strains. <i>European Journal of Pharmacology</i> , 2005 , 507, 187-98	5.3	27
122	Psychotropic drug-induced locomotor hyperactivity and prepulse inhibition regulation in male and female aromatase knockout (ArKO) mice: role of dopamine D1 and D2 receptors and dopamine transporters. <i>Psychopharmacology</i> , 2009 , 206, 267-79	4.7	26
121	Cardiovascular responses to open-field stress in rats: sex differences and effects of gonadal hormones. <i>Stress</i> , 2000 , 3, 319-34	3	26
120	Sex-specific and region-specific changes in BDNF-TrkB signalling in the hippocampus of 5-HT1A receptor and BDNF single and double mutant mice. <i>Brain Research</i> , 2012 , 1452, 10-7	3.7	24
119	Chronic cannabinoid treatment during young adulthood induces sex-specific behavioural deficits in maternally separated rats. <i>Behavioural Brain Research</i> , 2012 , 233, 305-13	3.4	24
118	Non-symmetrical double-logistic analysis of 24-h blood pressure recordings in normotensive and hypertensive rats. <i>Journal of Hypertension</i> , 2004 , 22, 2075-85	1.9	24
117	Brain-derived neurotrophic factor heterozygous mutant rats show selective cognitive changes and vulnerability to chronic corticosterone treatment. <i>Neuroscience</i> , 2015 , 284, 297-310	3.9	23
116	Effects of aberrant gamma frequency oscillations on prepulse inhibition. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 1671-81	5.8	23

115	An investigation into "two hit" effects of BDNF deficiency and young-adult cannabinoid receptor stimulation on prepulse inhibition regulation and memory in mice. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 149	3.5	23
114	Autonomic mechanisms in the acute cardiovascular effects of cocaine in conscious rats. <i>European Journal of Pharmacology</i> , 1998 , 363, 147-52	5.3	23
113	BDNF-Deficient Mice Show Reduced Psychosis-Related Behaviors Following Chronic Methamphetamine. <i>International Journal of Neuropsychopharmacology</i> , 2016 , 19,	5.8	22
112	Comparing the effects of 17 β estradiol and the selective oestrogen receptor modulators, raloxifene and tamoxifen, on prepulse inhibition in female rats. <i>Schizophrenia Research</i> , 2015 , 168, 634-9	3.6	22
111	Blood pressure, heart rate, and behavioral responses to psychological "novelty" stress in freely moving rats. <i>Psychophysiology</i> , 2001 , 38, 490-9	4.1	22
110	Ketogenic diet prevents impaired prepulse inhibition of startle in an acute NMDA receptor hypofunction model of schizophrenia. <i>Schizophrenia Research</i> , 2019 , 206, 244-250	3.6	22
109	BDNF Val66Met Genotype Interacts With a History of Simulated Stress Exposure to Regulate Sensorimotor Gating and Startle Reactivity. <i>Schizophrenia Bulletin</i> , 2017 , 43, 665-672	1.3	21
108	SCH 23390 in the prefrontal cortex enhances the effect of apomorphine on prepulse inhibition of rats. <i>Neuropharmacology</i> , 2006 , 51, 438-46	5.5	21
107	Central 6-OHDA affects both open-field exploratory behaviour and the development of hypertension in SHR. <i>Pharmacology Biochemistry and Behavior</i> , 1986 , 24, 15-21	3.9	21
106	Mild Closed-Head Injury in Conscious Rats Causes Transient Neurobehavioral and Glial Disturbances: A Novel Experimental Model of Concussion. <i>Journal of Neurotrauma</i> , 2019 , 36, 2260-2271	5.4	20
105	Pressor responses to brain dopaminergic stimulation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1997 , 24, 764-9	3	20
104	Mice deficient in the alpha subunit of G(z) show changes in pre-pulse inhibition, anxiety and responses to 5-HT(1A) receptor stimulation, which are strongly dependent on the genetic background. <i>Psychopharmacology</i> , 2007 , 195, 273-83	4.7	20
103	Sex-dependent alterations in BDNF-TrkB signaling in the hippocampus of reelin heterozygous mice: a role for sex steroid hormones. <i>Journal of Neurochemistry</i> , 2013 , 126, 389-99	6	19
102	Interaction of corticosterone and nicotine in regulation of prepulse inhibition in mice. <i>Neuropharmacology</i> , 2005 , 48, 80-92	5.5	19
101	Brain serotonin depletion by lesions of the median raphe nucleus enhances the psychotomimetic action of phencyclidine, but not dizocilpine (MK-801), in rats. <i>Brain Research</i> , 2005 , 1049, 217-26	3.7	19
100	Prepulse inhibition of acoustic startle in spontaneously hypertensive rats. <i>Behavioural Brain Research</i> , 2004 , 154, 331-7	3.4	18
99	Entacapone increases and prolongs the central effects of L-DOPA in the 6-hydroxydopamine-lesioned rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 388-94	3.4	18
98	Acute effects of antipsychotic drugs on cardiovascular responses to stress. <i>European Journal of Pharmacology</i> , 2003 , 464, 55-62	5.3	18

97	Sex differences in the effect of maternal immune activation on cognitive and psychosis-like behaviour in Long Evans rats. <i>European Journal of Neuroscience</i> , 2020 , 52, 2614-2626	3.5	18
96	Angiotensin-converting enzyme (ACE) interacts with dopaminergic mechanisms in the brain to modulate prepulse inhibition in mice. <i>Neuroscience Letters</i> , 2005 , 380, 6-11	3.3	17
95	Estradiol and raloxifene modulate hippocampal gamma oscillations during a spatial memory task. <i>Psychoneuroendocrinology</i> , 2017 , 78, 85-92	5	16
94	Corticosterone treatment during adolescence induces down-regulation of reelin and NMDA receptor subunit GLUN2C expression only in male mice: implications for schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 17, 1221-32	5.8	16
93	8-OH-DPAT-induced effects on prepulse inhibition: pre- vs. post-synaptic 5-HT1A receptor activation. <i>Pharmacology Biochemistry and Behavior</i> , 2005 , 81, 664-72	3.9	16
92	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. <i>Molecular Psychiatry</i> , 2021 , 26, 4431-4447	15.1	16
91	Long-term differential effects of chronic young-adult corticosterone exposure on anxiety and depression-like behaviour in BDNF heterozygous rats depend on the experimental paradigm used. <i>Neuroscience Letters</i> , 2014 , 576, 6-10	3.3	15
90	Disruption of prepulse inhibition by 3,4-methylenedioxymethamphetamine (MDMA): comparison between male and female wild-type and 5-HT(1A) receptor knockout mice. <i>International Journal of Neuropsychopharmacology</i> , 2011 , 14, 856-61	5.8	15
89	Role of dopamine D3 and serotonin 5-HT 1A receptors in L: -DOPA-induced dyskinesias and effects of sarizotan in the 6-hydroxydopamine-lesioned rat model of Parkinson's disease. <i>Journal of Neural Transmission</i> , 2011 , 118, 1733-42	4.3	15
88	Differential involvement of 5-HT projections within the amygdala in prepulse inhibition but not in psychotomimetic drug-induced hyperlocomotion. <i>Behavioural Brain Research</i> , 2006 , 168, 74-82	3.4	15
87	Effects of neonatal treatment with the TRPV1 agonist, capsaicin, on adult rat brain and behaviour. <i>Behavioural Brain Research</i> , 2014 , 272, 55-65	3.4	14
86	Substantia nigra lesions attenuate the development of hypertension and behavioural hyperreactivity in spontaneously hypertensive rats. <i>Pharmacology Biochemistry and Behavior</i> , 1986 , 25, 317-24	3.9	14
85	Altered social cognition in male BDNF heterozygous mice and following chronic methamphetamine exposure. <i>Behavioural Brain Research</i> , 2016 , 305, 181-5	3.4	13
84	Interaction of glutathione depletion and psychotropic drug treatment in prepulse inhibition in rats and mice. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 97, 293-300	3.9	13
83	Oestrogen modulation of the effect of 8-OH-DPAT on prepulse inhibition: effects of aromatase deficiency and castration in mice. <i>Psychopharmacology</i> , 2006 , 188, 100-10	4.7	13
82	Effects of haloperidol and clozapine on sensorimotor gating deficits induced by 5-hydroxytryptamine depletion in the brain. <i>British Journal of Pharmacology</i> , 2006 , 147, 800-7	8.6	13
81	Prepulse inhibition in fawn-hooded rats: increased sensitivity to 5-HT1A receptor stimulation. <i>European Neuropsychopharmacology</i> , 2004 , 14, 373-9	1.2	13
80	Differential effects of estrogen and testosterone on auditory sensory gating in rats. <i>Psychopharmacology</i> , 2014 , 231, 243-56	4.7	12

79	Chronic estrogen and progesterone treatment inhibits ketamine-induced disruption of prepulse inhibition in rats. <i>Neuroscience Letters</i> , 2015 , 607, 72-76	3-3	11
78	Selective enhancement of NMDA receptor-mediated locomotor hyperactivity by male sex hormones in mice. <i>Psychopharmacology</i> , 2017 , 234, 2727-2735	4-7	11
77	Behavioural phenotype of APPC100.V717F transgenic mice over-expressing a mutant Abeta-bearing fragment is associated with reduced NMDA receptor density. <i>Behavioural Brain Research</i> , 2010 , 209, 27-35	3-4	11
76	Pretreatment with quinpirole inhibits the central antihypertensive effects of rilmenidine and alpha-methyl dopa in conscious rats. <i>European Journal of Pharmacology</i> , 1997 , 322, 191-9	5-3	11
75	Reduced effects of amphetamine on prepulse inhibition of startle in gastrin-deficient mice. <i>Neuroscience Letters</i> , 2005 , 373, 237-42	3-3	11
74	Open-field behaviour and blood pressure in spontaneously hypertensive rats. <i>Clinical and Experimental Hypertension</i> , 1988 , 10, 667-84		11
73	Sex differences in psychotomimetic-induced behaviours in rats. <i>Behavioural Brain Research</i> , 2017 , 322, 157-166	3-4	10
72	Suppression of Corticostriatal Circuit Activity Improves Cognitive Flexibility and Prevents Body Weight Loss in Activity-Based Anorexia in Rats. <i>Biological Psychiatry</i> , 2021 , 90, 819-828	7-9	10
71	Effects of beta-hydroxybutyrate administration on MK-801-induced schizophrenia-like behaviour in mice. <i>Psychopharmacology</i> , 2020 , 237, 1397-1405	4-7	10
70	Brain-derived neurotrophic factor haploinsufficiency impairs high-frequency cortical oscillations in mice. <i>European Journal of Neuroscience</i> , 2018 , 48, 2816-2825	3-5	10
69	BDNF haploinsufficiency exerts a transient and regionally different influence upon oligodendroglial lineage cells during postnatal development. <i>Molecular and Cellular Neurosciences</i> , 2018 , 90, 12-21	4-8	10
68	The effect of estrogenic compounds on psychosis-like behaviour in female rats. <i>PLoS ONE</i> , 2018 , 13, e0193853	3-7	10
67	Spatial working memory in the touchscreen operant platform is disrupted in female rats by ovariectomy but not estrous cycle. <i>Neurobiology of Learning and Memory</i> , 2017 , 144, 147-154	3-1	10
66	Hippocampal serotonin depletion facilitates the enhancement of prepulse inhibition by risperidone: possible role of 5-HT(2C) receptors in the dorsal hippocampus. <i>Neuropharmacology</i> , 2011 , 61, 458-67	5-5	10
65	Effect of paradoxical sleep deprivation and stress on passive avoidance behavior. <i>Physiology and Behavior</i> , 2003 , 79, 591-6	3-5	10
64	Regional expression of c-fos in rat brain following stimulation of the ventral tegmental area. <i>Neuroscience Letters</i> , 1996 , 220, 17-20	3-3	10
63	The effect of piribedil on L-DOPA-induced dyskinesias in a rat model of Parkinson's disease: differential role of $\alpha(2)$ adrenergic mechanisms. <i>Journal of Neural Transmission</i> , 2013 , 120, 31-6	4-3	9
62	Modafinil disrupts prepulse inhibition in mice: strain differences and involvement of dopaminergic and serotonergic activation. <i>European Journal of Pharmacology</i> , 2013 , 699, 132-40	5-3	9

61	Serotonergic lesions of the dorsal hippocampus differentially modulate locomotor hyperactivity induced by drugs of abuse in rats: implications for schizophrenia. <i>Psychopharmacology</i> , 2009 , 206, 665-764	4.7	9
60	Does angiotensin interact with dopaminergic mechanisms in the brain to modulate prepulse inhibition in mice?. <i>Neuropharmacology</i> , 2008 , 54, 399-404	5.5	9
59	Stimulation of the ventral tegmental area enhances the effect of vasopressin on blood pressure in conscious rats. <i>British Journal of Pharmacology</i> , 2000 , 129, 29-36	8.6	9
58	Interaction of reelin and stress on immobility in the forced swim test but not dopamine-mediated locomotor hyperactivity or prepulse inhibition disruption: Relevance to psychotic and mood disorders. <i>Schizophrenia Research</i> , 2020 , 215, 485-492	3.6	9
57	Brain-derived neurotrophic factor (BDNF) determines a sex difference in cue-conditioned alcohol seeking in rats. <i>Behavioural Brain Research</i> , 2018 , 339, 73-78	3.4	8
56	Interaction of estrogen with central serotonergic mechanisms in human sensory processing: loudness dependence of the auditory evoked potential and mismatch negativity. <i>Journal of Psychopharmacology</i> , 2011 , 25, 1614-22	4.6	8
55	Phencyclidine-induced locomotor hyperactivity is enhanced in mice after stereotaxic brain serotonin depletion. <i>Behavioural Brain Research</i> , 2008 , 191, 289-93	3.4	8
54	Brain dopamine D2 receptor mRNA levels are elevated in young spontaneously hypertensive rats. <i>Neuroscience Research</i> , 1999 , 34, 199-205	2.9	8
53	Intrastriatal injection of endothelin evokes dopaminergic turning behaviour in rats through activation of the ETB receptor. <i>Brain Research</i> , 1996 , 724, 180-5	3.7	8
52	Short-Term Environmental Stimulation Spatiotemporally Modulates Specific Serotonin Receptor Gene Expression and Behavioral Pharmacology in a Sexually Dimorphic Manner in Huntington's Disease Transgenic Mice. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 433	6.1	8
51	Does genetic BDNF deficiency in rats interact with neurotransmitter control of prepulse inhibition? Implications for schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 75, 192-198	5.5	7
50	Tremorgenic effects and functional metabolomics analysis of lolitrem B and its biosynthetic intermediates. <i>Scientific Reports</i> , 2019 , 9, 9364	4.9	7
49	Differential role of serotonin projections from the dorsal and median raphe nuclei in phencyclidine-induced hyperlocomotion and fos-like immunoreactivity in rats. <i>Synapse</i> , 2012 , 66, 885-92	2.4	7
48	Exploring the role of 5-HT1A receptors in the regulation of prepulse inhibition in mice: implications for cross-species comparisons. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 149-60	5.7	7
47	Flibanserin attenuates L: -DOPA-sensitized contraversive circling in the unilaterally 6-hydroxydopamine-lesioned rat model of Parkinson's disease. <i>Journal of Neural Transmission</i> , 2011 , 118, 1727-32	4.3	7
46	Effect of atropine or atenolol on cardiovascular responses to novelty stress in freely-moving rats. <i>Stress</i> , 2002 , 5, 227-31	3	7
45	Investigating the Role of Serotonin in Methamphetamine Psychosis: Unaltered Behavioral Effects of Chronic Methamphetamine in 5-HT Knockout Mice. <i>Frontiers in Psychiatry</i> , 2017 , 8, 61	5	6
44	Hippocampal serotonin depletion unmasks differences in the hyperlocomotor effects of phencyclidine and MK-801: quantitative versus qualitative analyses. <i>Frontiers in Pharmacology</i> , 2013 , 4, 109	5.6	6

43	Brain noradrenaline and the development of hypertension: the effect of treatment with central 6-hydroxydopamine or DSP-4. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1986 , 13, 469-76	3	6
42	Maternal immune activation targeted to a window of parvalbumin interneuron development improves spatial working memory: Implications for autism. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 339-349	16.6	6
41	Interaction of Brain-Derived Neurotrophic Factor Val66Met genotype and history of stress in regulation of prepulse inhibition in mice. <i>Schizophrenia Research</i> , 2018 , 198, 60-67	3.6	5
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