

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7366426/giovanni-laviola-publications-by-citations.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

234 papers	10,066 citations	52 h-index	88 g-index
247 ext. papers	10,880 ext. citations	4.7 avg, IF	6.06 L-index

#	Paper	IF	Citations
234	Risk-taking behavior in adolescent mice: psychobiological determinants and early epigenetic influence. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 19-31	9	457
233	Psychobiological risk factors for vulnerability to psychostimulants in human adolescents and animal models. <i>Neuroscience and Biobehavioral Reviews</i> , 1999 , 23, 993-1010	9	292
232	Environmental enrichment during adolescence reverses the effects of prenatal stress on play behaviour and HPA axis reactivity in rats. <i>European Journal of Neuroscience</i> , 2003 , 18, 3367-74	3.5	286
231	Ontogenesis of behavioral sensitization and conditioned place preference induced by psychostimulants in laboratory rodents. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 163-78	9	268
230	Evidence for enhanced neurobehavioral vulnerability to nicotine during periadolescence in rats. <i>Journal of Neuroscience</i> , 2003 , 23, 4712-6	6.6	232
229	Effects of enriched environment on animal models of neurodegenerative diseases and psychiatric disorders. <i>Neurobiology of Disease</i> , 2008 , 31, 159-68	7.5	222
228	Elevated novelty seeking and peculiar d-amphetamine sensitization in periadolescent mice compared with adult mice.. <i>Behavioral Neuroscience</i> , 1998 , 112, 1152-1166	2.1	207
227	Peculiar vulnerability to nicotine oral self-administration in mice during early adolescence. <i>Neuropsychopharmacology</i> , 2002 , 27, 212-24	8.7	176
226	The spontaneously hypertensive-rat as an animal model of ADHD: evidence for impulsive and non-impulsive subpopulations. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 639-51	9	154
225	Ontogeny of amicable social behavior in the mouse: gender differences and ongoing isolation outcomes. <i>Developmental Psychobiology</i> , 1993 , 26, 467-81	3	132
224	Beneficial effects of enriched environment on adolescent rats from stressed pregnancies. <i>European Journal of Neuroscience</i> , 2004 , 20, 1655-64	3.5	130
223	Elevated levels of impulsivity and reduced place conditioning with d-amphetamine: two behavioral features of adolescence in mice. <i>Behavioral Neuroscience</i> , 2003 , 117, 695-703	2.1	130
222	Internet Addiction in adolescence: Neurobiological, psychosocial and clinical issues. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 76, 174-184	9	125
221	Behavioral and neurochemical vulnerability during adolescence in mice: studies with nicotine. <i>Neuropsychopharmacology</i> , 2004 , 29, 869-78	8.7	124
220	A unique hormonal and behavioral hyporesponsivity to both forced novelty and d-amphetamine in periadolescent mice. <i>Neuropharmacology</i> , 2000 , 39, 334-46	5.5	121
219	Early postnatal behavioral changes in the Mecp2-308 truncation mouse model of Rett syndrome. <i>Genes, Brain and Behavior</i> , 2010 , 9, 213-23	3.6	116
218	Risk taking during exploration of a plus-maze is greater in adolescent than in juvenile or adult mice. <i>Animal Behaviour</i> , 2002 , 64, 541-546	2.8	116

217	Behavioral and hormonal effects of partner familiarity in periadolescent rat pairs upon novelty exposure. <i>Psychoneuroendocrinology</i> , 1999 , 24, 639-56	5	110
216	Methylphenidate administration to adolescent rats determines plastic changes on reward-related behavior and striatal gene expression. <i>Neuropsychopharmacology</i> , 2006 , 31, 1946-56	8.7	105
215	Aspects of spatial memory and behavioral disinhibition in Tg2576 transgenic mice as a model of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2005 , 156, 225-32	3.4	104
214	Chronic treatment with imipramine reverses immobility behaviour, hippocampal corticosteroid receptors and cortical 5-HT(1A) receptor mRNA in prenatally stressed rats. <i>Neuropharmacology</i> , 2004 , 47, 841-7	5.5	103
213	Critical age windows for neurodevelopmental psychiatric disorders: evidence from animal models. <i>Neurotoxicity Research</i> , 2011 , 19, 286-307	4.3	101
212	Early-stress regulates resilience, vulnerability and experimental validity in laboratory rodents through mother-offspring hormonal transfer. <i>Neuroscience and Biobehavioral Reviews</i> , 2011 , 35, 1534-43 ⁹		100
211	Altered profiles of spontaneous novelty seeking, impulsive behavior, and response to D-amphetamine in rats perinatally exposed to bisphenol A. <i>Environmental Health Perspectives</i> , 2003 , 111, 395-401	8.4	100
210	Increased ethanol intake after prenatal ethanol exposure: studies with animals. <i>Neuroscience and Biobehavioral Reviews</i> , 2007 , 31, 181-91	9	99
209	Striatal dopamine sensitization to D-amphetamine in periadolescent but not in adult rats. <i>Pharmacology Biochemistry and Behavior</i> , 2001 , 68, 115-24	3.9	98
208	The developmental psychobiology of behavioural plasticity in mice: the role of social experiences in the family unit. <i>Neuroscience and Biobehavioral Reviews</i> , 1998 , 23, 197-213	9	94
207	Elevated novelty seeking and peculiar d-amphetamine sensitization in periadolescent mice compared with adult mice. <i>Behavioral Neuroscience</i> , 1998 , 112, 1152-66	2.1	90
206	Peculiar response of adolescent mice to acute and chronic stress and to amphetamine: evidence of sex differences. <i>Behavioural Brain Research</i> , 2002 , 130, 117-25	3.4	89
205	Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. <i>Neurobiology of Disease</i> , 2014 , 68, 66-77	7.5	86
204	A description of the ontogeny of mouse agonistic behavior. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1998 , 112, 3-12	2.1	86
203	Mouse models of Rett syndrome: from behavioural phenotyping to preclinical evaluation of new therapeutic approaches. <i>Behavioural Pharmacology</i> , 2008 , 19, 501-17	2.4	85
202	Pronounced Hyperactivity, Cognitive Dysfunctions, and BDNF Dysregulation in Dopamine Transporter Knock-out Rats. <i>Journal of Neuroscience</i> , 2018 , 38, 1959-1972	6.6	82
201	Behavioral and hormonal responses to stress in the newborn mouse: effects of maternal deprivation and chlordiazepoxide. <i>Developmental Psychobiology</i> , 1994 , 27, 301-16	3	82
200	Modulation of RhoGTPases improves the behavioral phenotype and reverses astrocytic deficits in a mouse model of Rett syndrome. <i>Neuropsychopharmacology</i> , 2012 , 37, 1152-63	8.7	81

199	Litter gender composition affects maternal behavior of the primiparous mouse dam (<i>Mus musculus</i>). <i>Journal of Comparative Psychology</i> (Washington, D C: 1983), 1989 , 103, 83-7	2.1	81
198	Neurobehavioral adaptations to methylphenidate: the issue of early adolescent exposure. <i>Neuroscience and Biobehavioral Reviews</i> , 2011 , 35, 1722-39	9	78
197	Increased impulsive behavior and risk proneness following lentivirus-mediated dopamine transporter over-expression in rats nucleus accumbens. <i>Neuroscience</i> , 2009 , 159, 47-58	3.9	76
196	Affiliation in periadolescent rats: behavioral and corticosterone response to social reunion with familiar or unfamiliar partners. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 54, 99-105	3.9	72
195	Preexposure during or following adolescence differently affects nicotine-rewarding properties in adult rats. <i>Psychopharmacology</i> , 2006 , 184, 382-90	4.7	70
194	Single episode of maternal deprivation and adult depressive profile in mice: interaction with cannabinoid exposure during adolescence. <i>Behavioural Brain Research</i> , 2004 , 154, 231-8	3.4	70
193	Detrimental psychophysiological effects of early maternal deprivation in adolescent and adult rodents: altered responses to cannabinoid exposure. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 498-507	9	69
192	Chronic psychosocial stress persistently alters autonomic function and physical activity in mice. <i>Physiology and Behavior</i> , 2003 , 80, 57-67	3.5	67
191	Short-, medium-, and long-term effects of prenatal oxazepam on neurobehavioural development of mice. <i>Psychopharmacology</i> , 1985 , 87, 434-41	4.7	66
190	Methylphenidate to adolescent rats drives enduring changes of accumbal Htr7 expression: implications for impulsive behavior and neuronal morphology. <i>Genes, Brain and Behavior</i> , 2009 , 8, 356-68 ^{3.6}	3.6	65
189	Gene-environment interaction during early development in the heterozygous reeler mouse: clues for modelling of major neurobehavioral syndromes. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 560-72	9	64
188	Paradoxical effects of prenatal acetylcholinesterase blockade on neuro-behavioral development and drug-induced stereotypies in reeler mutant mice. <i>Psychopharmacology</i> , 2006 , 187, 331-44	4.7	59
187	Resilience and vulnerability are dose-dependently related to neonatal stressors in mice. <i>Hormones and Behavior</i> , 2009 , 56, 391-8	3.7	57
186	Modulatory effects of two novel agonists for serotonin receptor 7 on emotion, motivation and circadian rhythm profiles in mice. <i>Neuropharmacology</i> , 2012 , 62, 833-42	5.5	55
185	Mitochondrial free radical overproduction due to respiratory chain impairment in the brain of a mouse model of Rett syndrome: protective effect of CNF1. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 167-77	7.8	54
184	Enhancement of endocannabinoid signalling during adolescence: Modulation of impulsivity and long-term consequences on metabolic brain parameters in early maternally deprived rats. <i>Pharmacology Biochemistry and Behavior</i> , 2007 , 86, 334-45	3.9	54
183	Pharmacological stimulation of the brain serotonin receptor 7 as a novel therapeutic approach for Rett syndrome. <i>Neuropsychopharmacology</i> , 2014 , 39, 2506-18	8.7	52
182	Moderate neonatal stress decreases within-group variation in behavioral, immune and HPA responses in adult mice. <i>PLoS ONE</i> , 2007 , 2, e1015	3.7	52

181	Novelty seeking in periadolescent mice: sex differences and influence of intrauterine position. <i>Physiology and Behavior</i> , 2001 , 72, 255-62	3.5	52
180	Insulin receptor β subunit haploinsufficiency impairs hippocampal late-phase LTP and recognition memory. <i>NeuroMolecular Medicine</i> , 2012 , 14, 262-9	4.6	51
179	d-Amphetamine conditioned place preference in developing mice: Relations with changes in activity and stereotypies.. <i>Behavioral Neuroscience</i> , 1994 , 108, 514-524	2.1	51
178	D-amphetamine-related reinforcing effects are reduced in mice exposed prenatally to estrogenic endocrine disruptors. <i>Brain Research Bulletin</i> , 2005 , 65, 235-40	3.9	50
177	Social withdrawal, neophobia, and stereotyped behavior in developing rats exposed to neonatal asphyxia. <i>Psychopharmacology</i> , 2004 , 175, 196-205	4.7	50
176	Behavioral Phenotyping of Dopamine Transporter Knockout Rats: Compulsive Traits, Motor Stereotypies, and Anhedonia. <i>Frontiers in Psychiatry</i> , 2018 , 9, 43	5	49
175	Compromised decision-making and increased gambling proneness following dietary serotonin depletion in rats. <i>Neuropharmacology</i> , 2012 , 62, 1640-50	5.5	49
174	The effect of early maternal separation on brain derived neurotrophic factor and monoamine levels in adult heterozygous reeler mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 1269-76	5.5	49
173	Subchronic nicotine exposure in adolescence induces long-term effects on hippocampal and striatal cannabinoid-CB1 and mu-opioid receptors in rats. <i>European Journal of Pharmacology</i> , 2007 , 557, 37-43	5.3	49
172	Delay aversion but preference for large and rare rewards in two choice tasks: implications for the measurement of self-control parameters. <i>BMC Neuroscience</i> , 2006 , 7, 52	3.2	49
171	Short-term effects of adolescent methylphenidate exposure on brain striatal gene expression and sexual/endocrine parameters in male rats. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1074, 52-73	6.5	49
170	Experimentally induced aggressive behavior in subjects with 3,4-methylenedioxy-methamphetamine ("Ecstasy") use history: psychobiological correlates. <i>Journal of Substance Abuse</i> , 2001 , 13, 471-91		49
169	Sibling effects on the behavior of infant mouse litters (<i>Mus domesticus</i>). <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1995 , 109, 68-75	2.1	49
168	Abnormal behavioral and neurotrophic development in the younger sibling receiving less maternal care in a communal nursing paradigm in rats. <i>Psychoneuroendocrinology</i> , 2010 , 35, 392-402	5	48
167	Paradoxical effects of D-amphetamine in infant and adolescent mice: role of gender and environmental risk factors. <i>Neuroscience and Biobehavioral Reviews</i> , 2000 , 24, 73-84	9	48
166	Ontogeny of cocaine hyperactivity and conditioned place preference in mice. <i>Psychopharmacology</i> , 1992 , 107, 221-8	4.7	48
165	Cholinergic hypofunction in MeCP2-308 mice: beneficial neurobehavioural effects of neonatal choline supplementation. <i>Behavioural Brain Research</i> , 2011 , 221, 623-9	3.4	47
164	Sexual segregation in infant mice: behavioural and neuroendocrine responses to d-amphetamine administration. <i>Psychopharmacology</i> , 1997 , 134, 140-52	4.7	47

163	Effects of chronic psychosocial stress on cardiac autonomic responsiveness and myocardial structure in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H2133-40	5.2	47
162	Scoring of social interactions and play in mice during adolescence. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2005 , Chapter 13, Unit13.10	1	46
161	Early exposure to ethanol but not red wine at the same alcohol concentration induces behavioral and brain neurotrophin alterations in young and adult mice. <i>NeuroToxicology</i> , 2009 , 30, 59-71	4.4	45
160	Perseverative responding and neuroanatomical alterations in adult heterozygous reeler mice are mitigated by neonatal estrogen administration. <i>Psychoneuroendocrinology</i> , 2010 , 35, 1374-87	5	45
159	Impulsivity-anxiety-related behavior and profiles of morphine-induced analgesia in heterozygous reeler mice. <i>Brain Research</i> , 2007 , 1131, 173-80	3.7	45
158	Gender differences in delay-discounting under mild food restriction. <i>Behavioural Brain Research</i> , 2009 , 200, 134-43	3.4	44
157	delta-Opioid modulation of social interactions in juvenile mice weaned at different ages. <i>Physiology and Behavior</i> , 2001 , 73, 393-400	3.5	44
156	1H MRS-detectable metabolic brain changes and reduced impulsive behavior in adult rats exposed to methylphenidate during adolescence. <i>Neurotoxicology and Teratology</i> , 2007 , 29, 116-25	3.9	43
155	Acetyl-L-carnitine reduces impulsive behaviour in adolescent rats. <i>Psychopharmacology</i> , 2004 , 176, 296-304	3.7	43
154	Ontogenetic and pharmacological dissociation of various components of locomotor activity and habituation in the rat. <i>International Journal of Developmental Neuroscience</i> , 1988 , 6, 431-8	2.7	43
153	The endocannabinoid system in the regulation of emotions throughout lifespan: a discussion on therapeutic perspectives. <i>Journal of Psychopharmacology</i> , 2012 , 26, 150-63	4.6	41
152	Neurobehavioural disorders in the infant reeler mouse model: interaction of genetic vulnerability and consequences of maternal separation. <i>Behavioural Brain Research</i> , 2007 , 177, 142-9	3.4	41
151	Postnatal social environment affects morphine analgesia in male mice. <i>Physiology and Behavior</i> , 1986 , 36, 779-81	3.5	41
150	Evaluation of unconditioned novelty-seeking and d-amphetamine-conditioned motivation in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1998 , 59, 1011-20	3.9	40
149	Selective agonists for serotonin 7 (5-HT7) receptor and their applications in preclinical models: an overview. <i>Reviews in the Neurosciences</i> , 2014 , 25, 401-15	4.7	38
148	Rett syndrome treatment in mouse models: searching for effective targets and strategies. <i>Neuropharmacology</i> , 2013 , 68, 106-15	5.5	38
147	Modulation of Rho GTPases rescues brain mitochondrial dysfunction, cognitive deficits and aberrant synaptic plasticity in female mice modeling Rett syndrome. <i>European Neuropsychopharmacology</i> , 2015 , 25, 889-901	1.2	37
146	Potential Therapeutic Value of a Novel FAAH Inhibitor for the Treatment of Anxiety. <i>PLoS ONE</i> , 2015 , 10, e0137034	3.7	36

145	The application of Russell and Burch 3R principle in rodent models of neurodegenerative disease: the case of Parkinson's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 18-32	9	36
144	Early exposure to ethanol or red wine and long-lasting effects in aged mice. A study on nerve growth factor, brain-derived neurotrophic factor, hepatocyte growth factor, and vascular endothelial growth factor. <i>Neurobiology of Aging</i> , 2012 , 33, 359-67	5.6	35
143	Individual differences in mouse behavioural development: effects of precocious weaning and ongoing sexual segregation. <i>Animal Behaviour</i> , 1995 , 50, 1261-1271	2.8	35
142	Characterization of neonatal vocal and motor repertoire of reelin mutant mice. <i>PLoS ONE</i> , 2013 , 8, e64407	4.7	35
141	Chronic treatment with the phytocannabinoid Cannabidiol (CBDV) rescues behavioural alterations and brain atrophy in a mouse model of Rett syndrome. <i>Neuropharmacology</i> , 2018 , 140, 121-129	5.5	34
140	Long-lasting beneficial effects of central serotonin receptor 7 stimulation in female mice modeling Rett syndrome. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 86	3.5	34
139	Hepatocyte growth factor, vascular endothelial growth factor, glial cell-derived neurotrophic factor and nerve growth factor are differentially affected by early chronic ethanol or red wine intake. <i>Toxicology Letters</i> , 2009 , 188, 208-13	4.4	34
138	Long-term consequences of URB597 administration during adolescence on cannabinoid CB1 receptor binding in brain areas. <i>Brain Research</i> , 2009 , 1257, 25-31	3.7	32
137	Response to novelty, social and self-control behaviors, in rats exposed to neonatal anoxia: modulatory effects of an enriched environment. <i>Psychopharmacology</i> , 2006 , 184, 155-65	4.7	32
136	Stimulation of the brain serotonin receptor 7 rescues mitochondrial dysfunction in female mice from two models of Rett syndrome. <i>Neuropharmacology</i> , 2017 , 121, 79-88	5.5	31
135	Behavioral effects of 6-bromoflavanone and 5-methoxy-6,8-dibromoflavanone as anxiolytic compounds. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 128-34	5.5	31
134	Altered emotionality, spatial memory and cholinergic function in caveolin-1 knock-out mice. <i>Behavioural Brain Research</i> , 2008 , 188, 255-62	3.4	31
133	Limited effects of ozone exposure during pregnancy on physical and neurobehavioral development of CD-1 mice. <i>Toxicology and Applied Pharmacology</i> , 1994 , 129, 264-71	4.6	31
132	Potential for diagnosis versus therapy monitoring of attention deficit hyperactivity disorder: a new epigenetic biomarker interacting with both genotype and auto-immunity. <i>European Child and Adolescent Psychiatry</i> , 2018 , 27, 241-252	5.5	30
131	Detection of auto-antibodies to DAT in the serum: interactions with DAT genotype and psycho-stimulant therapy for ADHD. <i>Journal of Neuroimmunology</i> , 2015 , 278, 212-22	3.5	30
130	Peculiar response to methylphenidate in adolescent compared to adult rats: a pHMRI study. <i>Psychopharmacology</i> , 2009 , 203, 143-53	4.7	30
129	Prenatal stress affects 3,4-methylenedioxymethamphetamine pharmacokinetics and drug-induced motor alterations in adolescent female rats. <i>European Journal of Pharmacology</i> , 2004 , 489, 89-92	5.3	30
128	Persistent modification of forebrain networks and metabolism in rats following adolescent exposure to a 5-HT7 receptor agonist. <i>Psychopharmacology</i> , 2015 , 232, 75-89	4.7	29

127	Social encounter with a novel partner in adolescent rats: activation of the central endocannabinoid system. <i>Behavioural Brain Research</i> , 2011 , 220, 140-5	3.4	29
126	Spontaneous novelty seeking and amphetamine-induced conditioning and sensitization in adult mice: evidence of dissociation as a function of age at weaning. <i>Neuropsychopharmacology</i> , 2002 , 27, 225-36	8.7	29
125	Early adversity and alcohol availability persistently modify serotonin and hypothalamic-pituitary-adrenal-axis metabolism and related behavior: what experimental research on rodents and primates can tell us. <i>Neuroscience and Biobehavioral Reviews</i> , 2007 , 31, 172-80	9	28
124	Effects of (+/-) 3,4-methylene-dioxymethamphetamine (ecstasy) on dopamine system function in humans. <i>Behavioural Brain Research</i> , 2002 , 134, 403-10	3.4	28
123	Ontogeny of muscimol effects on locomotor activity, habituation, and pain reactivity in mice. <i>Psychopharmacology</i> , 1990 , 102, 41-8	4.7	28
122	Social withdrawal and gambling-like profile after lentiviral manipulation of DAT expression in the rat accumbens. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 1329-42	5.8	27
121	Sub-neurotoxic neonatal anoxia induces subtle behavioural changes and specific abnormalities in brain group-I metabotropic glutamate receptors in rats. <i>Journal of Neurochemistry</i> , 2005 , 95, 137-45	6	27
120	Selective changes in mouse behavioral development after prenatal benzodiazepine exposure: a progress report. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1992 , 16, 587-604	5.5	27
119	Low empathy-like behaviour in male mice associates with impaired sociability, emotional memory, physiological stress reactivity and variations in neurobiological regulations. <i>PLoS ONE</i> , 2017 , 12, e0188907	3.7	26
118	Home cage testing of delay discounting in rats. <i>Behavior Research Methods</i> , 2009 , 41, 1169-76	6.1	26
117	Restricted daily access to water and voluntary nicotine oral consumption in mice: methodological issues and individual differences. <i>Behavioural Brain Research</i> , 2002 , 134, 21-30	3.4	26
116	Intranasal oxytocin administration promotes emotional contagion and reduces aggression in a mouse model of callousness. <i>Neuropharmacology</i> , 2018 , 143, 250-267	5.5	26
115	Neonatal tryptophan depletion and corticosterone supplementation modify emotional responses in adult male mice. <i>Psychoneuroendocrinology</i> , 2013 , 38, 24-39	5	25
114	Sexual segregation in infancy and bi-directional benzodiazepine effects on hot-plate response and neophobia in adult mice. <i>Pharmacology Biochemistry and Behavior</i> , 1992 , 42, 865-70	3.9	25
113	Nonhuman gamblers: lessons from rodents, primates, and robots. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 33	3.5	24
112	A mouse model of early social interactions after prenatal drug exposure: a genetic investigation. <i>Psychopharmacology</i> , 1994 , 113, 388-94	4.7	24
111	Pretreatment of young mice with nerve growth factor enhances scopolamine-induced hyperactivity. <i>Developmental Brain Research</i> , 1986 , 393, 278-81		24
110	Neonatal exposure to low dose corticosterone persistently modulates hippocampal mineralocorticoid receptor expression and improves locomotor/exploratory behaviour in a mouse model of Rett syndrome. <i>Neuropharmacology</i> , 2013 , 68, 174-83	5.5	23

109	Differential response to specific 5-HT(7) versus whole-serotonergic drugs in rat forebrains: a phMRI study. <i>NeuroImage</i> , 2011 , 58, 885-94	7.9	23
108	Prenatal oxazepam enhances mouse maternal aggression in the offspring, without modifying acute chlordiazepoxide effects. <i>Neurotoxicology and Teratology</i> , 1991 , 13, 75-81	3.9	23
107	Mice repeatedly exposed to Group-A β -Haemolytic Streptococcus show perseverative behaviors, impaired sensorimotor gating, and immune activation in rostral diencephalon. <i>Scientific Reports</i> , 2015 , 5, 13257	4.9	22
106	The Directive 2010/63/EU on animal experimentation may skew the conclusions of pharmacological and behavioural studies. <i>Scientific Reports</i> , 2013 , 3, 2380	4.9	22
105	A trouble shared is a trouble halved: social context and status affect pain in mouse dyads. <i>PLoS ONE</i> , 2009 , 4, e4143	3.7	22
104	Genetic differences in maternal behaviour patterns in mice administered phenobarbital during pregnancy. <i>Psychopharmacology</i> , 1990 , 102, 383-90	4.7	22
103	Rescue of prepulse inhibition deficit and brain mitochondrial dysfunction by pharmacological stimulation of the central serotonin receptor 7 in a mouse model of CDKL5 Deficiency Disorder. <i>Neuropharmacology</i> , 2019 , 144, 104-114	5.5	22
102	Mapping pathological phenotypes in reelin mutant mice. <i>Frontiers in Pediatrics</i> , 2014 , 2, 95	3.4	21
101	Genes and sex hormones interaction in neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 67, 9-24	9	20
100	Animal models recapitulating the multifactorial origin of Tourette syndrome. <i>International Review of Neurobiology</i> , 2013 , 112, 211-37	4.4	20
99	Theoretical and practical considerations behind the use of laboratory animals for the study of Tourette syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 1085-100	9	20
98	Acute and carryover effects in mice of MDMA ("ecstasy") administration during periadolescence. <i>European Journal of Pharmacology</i> , 2002 , 448, 31-8	5.3	20
97	Intrauterine position has long-term influence on brain mu-opioid receptor density and behaviour in mice. <i>Psychoneuroendocrinology</i> , 2003 , 28, 386-400	5	20
96	Behavioural, neural and cardiovascular adaptations in mice lacking the NPY Y1 receptor. <i>Neuroscience and Biobehavioral Reviews</i> , 2005 , 29, 113-23	9	20
95	Neuroendocrine correlates of depression in abstinent heroin-dependent subjects. <i>Psychiatry Research</i> , 2000 , 96, 221-34	9.9	20
94	Affiliation and neophobia in developing mice prenatally exposed to oxazepam. <i>Behavioural Pharmacology</i> , 1994 , 5, 52-60	2.4	20
93	Novelty-related behavior of young and adult dopamine transporter knockout rats: Implication for cognitive and emotional phenotypic patterns. <i>Genes, Brain and Behavior</i> , 2018 , 17, e12463	3.6	19
92	Interleukin-18 modulation in autism spectrum disorders. <i>Journal of Neuroinflammation</i> , 2016 , 13, 2	10.1	19

91	Effects of maternal L-tryptophan depletion and corticosterone administration on neurobehavioral adjustments in mouse dams and their adolescent and adult daughters. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011 , 35, 1479-92	5.5	19
90	Motor impulsivity in APP-SWE mice: a model of Alzheimer's disease. <i>Behavioural Pharmacology</i> , 2006 , 17, 525-33	2.4	19
89	Interacting effects of oxazepam in late pregnancy and fostering procedure on mouse maternal behavior. <i>Neuroscience and Biobehavioral Reviews</i> , 1991 , 15, 501-4	9	19
88	Aberrant Rho GTPases signaling and cognitive dysfunction: in vivo evidence for a compelling molecular relationship. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 46 Pt 2, 285-301	9	18
87	Gambling proneness in rats during the transition from adolescence to young adulthood: a home-cage method. <i>Neuropharmacology</i> , 2013 , 67, 444-54	5.5	18
86	Emotional and risk seeking behavior after prepubertal subchronic or adult acute stimulation of 5-HT7-Rs in Naples High Excitability rats. <i>Synapse</i> , 2014 , 68, 159-67	2.4	18
85	Prepubertal stimulation of 5-HT7-R by LP-211 in a rat model of hyper-activity and attention-deficit: permanent effects on attention, brain amino acids and synaptic markers in the fronto-striatal interface. <i>PLoS ONE</i> , 2014 , 9, e83003	3.7	18
84	Early exposure to aluminium affects eight-arm maze performance and hippocampal nerve growth factor levels in adult mice. <i>Neuroscience Letters</i> , 1994 , 166, 89-92	3.3	17
83	Eight-arm maze performance, neophobia, and hippocampal cholinergic alterations after prenatal oxazepam in mice. <i>Brain Research Bulletin</i> , 1992 , 29, 609-16	3.9	17
82	Brain processes in discounting: consequences of adolescent methylphenidate exposure. <i>Current Topics in Behavioral Neurosciences</i> , 2012 , 9, 113-43	3.4	16
81	Behavioral responses to acute and sub-chronic administration of the synthetic cannabinoid JWH-018 in adult mice prenatally exposed to corticosterone. <i>Neurotoxicity Research</i> , 2013 , 24, 15-28	4.3	15
80	Choice with delayed or uncertain reinforcers in rats: influence of timeout duration and session length. <i>Synapse</i> , 2012 , 66, 792-806	2.4	15
79	Cognitive impulsivity in animal models: role of response time and reinforcing rate in delay intolerance with two-choice operant tasks. <i>Neuropharmacology</i> , 2010 , 58, 694-701	5.5	15
78	Prenatal cocaine potentiates the effects of morphine in adult mice. <i>Neuropharmacology</i> , 1994 , 33, 825-34	3.5	15
77	Morphine effects on activity and pain reactivity of developing mice with or without late prenatal oxazepam exposure. <i>Psychopharmacology</i> , 1987 , 92, 438-40	4.7	15
76	Antibodies to neuronal surface proteins in Tourette Syndrome: Lack of evidence in a European paediatric cohort. <i>Brain, Behavior, and Immunity</i> , 2019 , 81, 665-669	16.6	14
75	Rett syndrome before regression: A time window of overlooked opportunities for diagnosis and intervention. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 107, 115-135	9	14
74	Modulatory effects following subchronic stimulation of brain 5-HT7-R system in mice and rats. <i>Reviews in the Neurosciences</i> , 2014 , 25, 383-400	4.7	14

73	Prenatal stress and peripubertal stimulation of the endocannabinoid system differentially regulate emotional responses and brain metabolism in mice. <i>PLoS ONE</i> , 2012 , 7, e41821	3.7	14
72	Emotional, endocrine and brain anandamide response to social challenge in infant male rats. <i>Psychoneuroendocrinology</i> , 2013 , 38, 2152-62	5	14
71	Morphine effects on mouse locomotor/exploratory activity: test dependency, test reliability, uni- and multi-variate analyses. <i>Pharmacology Biochemistry and Behavior</i> , 1991 , 38, 817-22	3.9	14
70	Prenatal corticosterone and adolescent URB597 administration modulate emotionality and CB1 receptor expression in mice. <i>Psychopharmacology</i> , 2014 , 231, 2131-44	4.7	13
69	Down-regulation of serotonin and dopamine transporter genes in individual rats expressing a gambling-prone profile: A possible role for epigenetic mechanisms. <i>Neuroscience</i> , 2017 , 340, 101-116	3.9	13
68	Autoantibodies against opioid or glutamate receptors are associated with changes in morphine reward and physical dependence in mice. <i>Psychopharmacology</i> , 2008 , 197, 535-48	4.7	13
67	Attractivity and social preferences in mice (<i>Mus musculus domesticus</i>): the role of prepubertal sexual segregation and of precocious weaning. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2000 , 114, 325-34	2.1	13
66	Development of GABAergic modulation of mouse locomotor activity and pain sensitivity after prenatal benzodiazepine exposure. <i>Neurotoxicology and Teratology</i> , 1992 , 14, 1-5	3.9	13
65	NGF and BDNF long-term variations in the thyroid, testis and adrenal glands of a mouse model of fetal alcohol spectrum disorders. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2013 , 49, 383-90	1.6	13
64	Interaction between the endocannabinoid and serotonergic system in the exhibition of head twitch response in four mouse strains. <i>Neurotoxicity Research</i> , 2015 , 27, 275-83	4.3	12
63	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. <i>Mediators of Inflammation</i> , 2017 , 2017, 9467819	4.3	12
62	A behavioural test battery to investigate tic-like symptoms, stereotypies, attentional capabilities, and spontaneous locomotion in different mouse strains. <i>Behavioural Brain Research</i> , 2014 , 267, 95-105	3.4	12
61	Nicotine restores Wt-like levels of reelin and GAD67 gene expression in brain of heterozygous reeler mice. <i>Neurotoxicity Research</i> , 2013 , 24, 205-15	4.3	12
60	Deficient Purposeful Use of Forepaws in Female Mice Modelling Rett Syndrome. <i>Neural Plasticity</i> , 2015 , 2015, 326184	3.3	12
59	Immunization with DAT fragments is associated with long-term striatal impairment, hyperactivity and reduced cognitive flexibility in mice. <i>Behavioral and Brain Functions</i> , 2012 , 8, 54	4.1	12
58	The subjective value of probabilistic outcomes: Impact of reward magnitude on choice with uncertain rewards in rats. <i>Neuroscience Letters</i> , 2016 , 617, 225-31	3.3	12
57	LP-211, a selective 5-HT receptor agonist, increases novelty-preference and promotes risk-prone behavior in rats. <i>Synapse</i> , 2017 , 71, e21995	2.4	11
56	Disrupted Circadian Rhythm as a Common Player in Developmental Models of Neuropsychiatric Disorders. <i>Current Topics in Behavioral Neurosciences</i> , 2016 , 29, 155-181	3.4	11

55	Specific changes in levels of autoantibodies to glutamate and opiate receptors induced by morphine administration in rats. <i>Neuroscience Letters</i> , 2006 , 403, 1-5	3.3	11
54	Long-term effects of neonatal basal forebrain cholinergic lesions on radial maze learning and impulsivity in rats. <i>Behavioural Pharmacology</i> , 2006 , 17, 517-24	2.4	11
53	Prenatal oxazepam effects on cocaine conditioned place preference in developing mice. <i>Neurotoxicology and Teratology</i> , 1993 , 15, 207-10	3.9	11
52	Pediatric Autoimmune Disorders Associated with Streptococcal Infections and Tourette's Syndrome in Preclinical Studies. <i>Frontiers in Neuroscience</i> , 2016 , 10, 310	5.1	11
51	Anti-dopamine D2 receptor antibodies in chronic tic disorders. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 1205-1212	3.3	10
50	Individual differences in choice (in)flexibility but not impulsivity in the common marmoset: an automated, operant-behavior choice task. <i>Behavioural Brain Research</i> , 2013 , 256, 554-63	3.4	10
49	Impulsivity and home-cage activity are decreased by lentivirus-mediated silencing of serotonin transporter in the rat hippocampus. <i>Neuroscience Letters</i> , 2013 , 548, 38-43	3.3	10
48	On mouse pups and their lactating dams: behavioral consequences of early exposure to oxazepam and interacting factors. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 55, 459-74	3.9	10
47	Neonatal corticosterone mitigates autoimmune neuropsychiatric disorders associated with streptococcus in mice. <i>Scientific Reports</i> , 2018 , 8, 10188	4.9	10
46	Social modulation of risky decision-making in rats (<i>Rattus norvegicus</i>) and tufted capuchin monkeys (<i>Sapajus</i> spp.). <i>Behavioural Brain Research</i> , 2018 , 347, 37-48	3.4	9
45	Aberrant Behavioral and Neurobiologic Profiles in Rodents Exposed to Ethanol or Red Wine Early in Development. <i>Current Developmental Disorders Reports</i> , 2014 , 1, 173-180	1.9	9
44	Stimulation of 5-HT ₇ receptor during adolescence determines its persistent upregulation in adult rat forebrain areas. <i>Synapse</i> , 2015 , 69, 533-42	2.4	9
43	Individual differences in gambling proneness among rats and common marmosets: an automated choice task. <i>BioMed Research International</i> , 2014 , 2014, 927685	3	9
42	Polymorphism of the 3RUTR of the dopamine transporter gene (DAT) in New World monkeys. <i>Primates</i> , 2017 , 58, 169-178	1.7	8
41	Short-term and delayed behavioral effects of pre- and post-weaning morphine in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1987 , 26, 539-42	3.9	8
40	Towards a consensus on developmental regression. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 107, 3-5	9	7
39	Monomorphic region of the serotonin transporter promoter gene in New World monkeys. <i>American Journal of Primatology</i> , 2012 , 74, 1028-34	2.5	7
38	Longitudinal effects of environmental enrichment on behaviour and physiology of pigs reared on an intensive-stock farm. <i>Italian Journal of Animal Science</i> , 2011 , 10, e52	2.2	7

37	Limited changes of mouse maternal care after prenatal oxazepam: dissociation from pup-related stimulus perception. <i>Psychopharmacology</i> , 1995 , 122, 58-65	4.7	7
36	d-amphetamine conditioned place preference in developing mice: relations with changes in activity and stereotypies. <i>Behavioral Neuroscience</i> , 1994 , 108, 514-24	2.1	7
35	Differential responses to acute administration of a new 5-HT ₇ -R agonist as a function of adolescent pre-treatment: pHMRI and immuno-histochemical study. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 427	3.5	6
34	Nicotine exposure during adolescence: cognitive performance and brain gene expression in adult heterozygous reeler mice. <i>Psychopharmacology</i> , 2014 , 231, 1775-87	4.7	6
33	Inside the Developing Brain to Understand Teen Behavior From Rat Models: Metabolic, Structural, and Functional-Connectivity Alterations Among Limbic Structures Across Three Pre-adolescent Stages. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 208	3.5	6
32	Methylphenidate administration promotes sociability and reduces aggression in a mouse model of callousness. <i>Psychopharmacology</i> , 2019 , 236, 2593-2611	4.7	5
31	Can laboratory animals violate behavioural norms? Towards a preclinical model of conduct disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 91, 102-111	9	5
30	Novel highly potent serotonin 5-HT ₇ receptor ligands: structural modifications to improve pharmacokinetic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 6083-6	2.9	5
29	Prior cocaine exposure in different environments affects the behavioral responses of mouse dams. <i>Pharmacology Biochemistry and Behavior</i> , 1997 , 56, 541-7	3.9	5
28	Reduced adolescent risk-assessment and lower nicotinic beta-2 expression in rats exposed to nicotine through lactation by forcedly drinking dams. <i>Neuroscience</i> , 2019 , 413, 64-76	3.9	4
27	Induction of maternal behavior by mouse neonates: influence of dam parity and prenatal oxazepam exposure. <i>Pharmacology Biochemistry and Behavior</i> , 1994 , 49, 871-6	3.9	4
26	Aberrant Early in Life Stimulation of the Stress-Response System Affects Emotional Contagion and Oxytocin Regulation in Adult Male Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
25	Striatal dynamics as determinants of reduced gambling vulnerability in the NHE rat model of ADHD. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020 , 100, 109886	5.5	3
24	Effects of neonatal corticosterone and environmental enrichment on retinal ERK1/2 and CREB phosphorylation in adult mice. <i>Experimental Eye Research</i> , 2014 , 128, 109-13	3.7	3
23	Enhanced limbic/impaired cortical-loop connection onto the hippocampus of NHE rats: Application of resting-state functional connectivity in a preclinical ADHD model. <i>Behavioural Brain Research</i> , 2017 , 333, 171-178	3.4	3
22	Brain development, sex differences and stress: implications for psychopathology. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 1-2	9	3
21	Individual differences in response to psychological stress and chlordiazepoxide in adult mice: Relations with changes in early social milieu. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1996 , 24, 147-153		3
20	Commentary on the special issue "The Adolescent Brain": How can we run operant paradigms in a preclinical adolescent model? Technical tips and future perspectives. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 70, 323-328	9	3

19	Precocious weaning and changes in social variables during prepuberty affect cocaine reinforcing properties in adult mice. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 1997 , 25, 163-170		3
18	Investigating Rett Syndrome Through Genetic Mouse Models: Presymptomatic, Clearly Symptomatic Phases, and Innovative Therapeutic Approaches. <i>Neuromethods</i> , 2010 , 151-178	0.4	2
17	Developmental aspects of neurobehavioural toxicity. <i>Toxicology Letters</i> , 1992 , 64-65 Spec No, 231-7	4.4	2
16	Social Interactions of Dat-Het Epi-Genotypes Differing for Maternal Origins: The Development of a New Preclinical Model of Socio-Sexual Apathy. <i>Biomedicine</i> , 2021 , 9,	4.8	2
15	Callous unemotional trait-like mice and their stressed dams. <i>Psychoneuroendocrinology</i> , 2021 , 131, 105296		2
14	Critical Age Windows for Neurodevelopmental Psychiatric Disorders: Evidence from Animal Models 2012 , 275-296		2
13	Brain-Immune Alterations and Mitochondrial Dysfunctions in a Mouse Model of Paediatric Autoimmune Disorder Associated with Streptococcus: Exacerbation by Chronic Psychosocial Stress. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	1
12	"Himalayan Bridge": A New Unstable Suspended Bridge to Investigate Rodents' Venturesome Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 637074	3.5	1
11	Treatment with the Bacterial Toxin CNF1 Selectively Rescues Cognitive and Brain Mitochondrial Deficits in a Female Mouse Model of Rett Syndrome Carrying a MeCP2-Null Mutation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
10	Stimulation of the Serotonin Receptor 7 Restores Brain Histone H3 Acetylation and MeCP2 Corepressor Protein Levels in a Female Mouse Model of Rett Syndrome. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021 , 80, 265-273	3.1	1
9	Health-promoting factors and animal welfare. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2004 , 40, 187-93	1.6	1
8	DAT-truncated epigenetics: heterozygosity of the grand-mother rat temperates the vulnerable phenotype in second-generation offspring.. <i>International Journal of Developmental Neuroscience</i> , 2022 ,	2.7	1
7	Proof of nicotine transfer to rat pups through maternal breast feeding to evaluate the neurobehavioral consequences of nicotine exposure. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2018 , 54, 176-184	1.6	1
6	Rett syndrome 134-145		
5	The presence of a potential competitor modulates risk preferences in rats.. <i>Behavioural Processes</i> , 2022 , 196, 104602	1.6	
4	Adaptive and Maladaptive Regulations in Response to Environmental Stress in Adolescent Rodents 2013 , 243-256		
3	Critical Age Windows for Neurodevelopmental Psychiatric Disorders: Evidence from Animal Models 2013 , 327-348		
2	Genetic Modeling and Neurobehavioral Disorders: Focus on Autism 2014 , 1739-1753		

- 1 Anatomical and behavioral impact of a lentiviral tool tapping onto hippocampal serotonin reuptake in rats. *Synapse*, **2020**, 74, e22138 2.4