

# Michael T. Williams

## List of Publications by Citations

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139  
papers

6,950  
citations

37  
h-index

80  
g-index

141  
ext. papers

7,945  
ext. citations

4.1  
avg, IF

6.13  
L-index

#	Paper	IF	Citations
139	Morris water maze: procedures for assessing spatial and related forms of learning and memory. <i>Nature Protocols</i> , <b>2006</b> , 1, 848-58	18.8	2510
138	Assessing spatial learning and memory in rodents. <i>ILAR Journal</i> , <b>2014</b> , 55, 310-32	1.7	268
137	Hypoxia-ischemia induces DNA synthesis without cell proliferation in dying neurons in adult rodent brain. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 10763-72	6.6	246
136	Deficiency in Na,K-ATPase alpha isoform genes alters spatial learning, motor activity, and anxiety in mice. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 616-26	6.6	224
135	The effects of neonatal isoflurane exposure in mice on brain cell viability, adult behavior, learning, and memory. <i>Anesthesia and Analgesia</i> , <b>2009</b> , 108, 90-104	3.9	198
134	Comparison of the elevated plus and elevated zero mazes in treated and untreated male Sprague-Dawley rats: effects of anxiolytic and anxiogenic agents. <i>Pharmacology Biochemistry and Behavior</i> , <b>2011</b> , 97, 406-15	3.9	111
133	Impaired spatial and sequential learning in rats treated neonatally with D-fenfluramine. <i>European Journal of Neuroscience</i> , <b>2002</b> , 16, 491-500	3.5	95
132	Neuronopathic Gaucher disease in the mouse: viable combined selective saposin C deficiency and mutant glucocerebrosidase (V394L) mice with glucosylsphingosine and glucosylceramide accumulation and progressive neurological deficits. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 1088-97	5.6	94
131	Developmental D-methamphetamine treatment selectively induces spatial navigation impairments in reference memory in the Morris water maze while sparing working memory. <i>Synapse</i> , <b>2003</b> , 48, 138-48 <sup>2-4</sup>	2.4	78
130	Value of water mazes for assessing spatial and egocentric learning and memory in rodent basic research and regulatory studies. <i>Neurotoxicology and Teratology</i> , <b>2014</b> , 45, 75-90	3.9	77
129	Refining the critical period for methamphetamine-induced spatial deficits in the Morris water maze. <i>Psychopharmacology</i> , <b>2003</b> , 168, 329-38	4.7	74
128	Creatine transporter (CrT; Slc6a8) knockout mice as a model of human CrT deficiency. <i>PLoS ONE</i> , <b>2011</b> , 6, e16187	3.7	72
127	Na,K-ATPase and the role of alpha isoforms in behavior. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2007</b> , 39, 385-9	3.7	70
126	Effect of +-methamphetamine on path integration learning, novel object recognition, and neurotoxicity in rats. <i>Psychopharmacology</i> , <b>2008</b> , 199, 637-50	4.7	63
125	3,4-Methylenedioxymethamphetamine in adult rats produces deficits in path integration and spatial reference memory. <i>Biological Psychiatry</i> , <b>2006</b> , 59, 1219-26	7.9	62
124	Long-term effects of neonatal methamphetamine exposure in rats on spatial learning in the Barnes maze and on cliff avoidance, corticosterone release, and neurotoxicity in adulthood. <i>Developmental Brain Research</i> , <b>2003</b> , 147, 163-75		62
123	Effects of neonatal (+)-methamphetamine on path integration and spatial learning in rats: effects of dose and rearing conditions. <i>International Journal of Developmental Neuroscience</i> , <b>2008</b> , 26, 599-610	2.7	61

122	Abnormal neurodevelopment, neurosignaling and behaviour in Npas3-deficient mice. <i>European Journal of Neuroscience</i> , <b>2005</b> , 22, 1265-76	3.5	61
121	Developmental 3,4-methylenedioxymethamphetamine (MDMA) impairs sequential and spatial but not cued learning independent of growth, litter effects or injection stress. <i>Brain Research</i> , <b>2003</b> , 968, 89-101	3.7	55
120	Exposure to 3,4-methylenedioxymethamphetamine (MDMA) on postnatal days 11-20 induces reference but not working memory deficits in the Morris water maze in rats: implications of prior learning. <i>International Journal of Developmental Neuroscience</i> , <b>2004</b> , 22, 247-59	2.7	53
119	Periadolescent rats (P41-50) exhibit increased susceptibility to D-methamphetamine-induced long-term spatial and sequential learning deficits compared to juvenile (P21-30 or P31-40) or adult rats (P51-60). <i>Neurotoxicology and Teratology</i> , <b>2005</b> , 27, 117-34	3.9	53
118	Prenatal immune challenge in rats: effects of polyinosinic-polycytidylic acid on spatial learning, prepulse inhibition, conditioned fear, and responses to MK-801 and amphetamine. <i>Neurotoxicology and Teratology</i> , <b>2015</b> , 47, 54-65	3.9	52
117	Developmental effects of 3,4-methylenedioxymethamphetamine: a review. <i>Behavioural Pharmacology</i> , <b>2008</b> , 19, 91-111	2.4	51
116	Prewaning treatment with methamphetamine induces increases in both corticosterone and ACTH in rats. <i>Neurotoxicology and Teratology</i> , <b>2000</b> , 22, 751-9	3.9	51
115	Abnormal response to stress and impaired NPS-induced hyperlocomotion, anxiolytic effect and corticosterone increase in mice lacking NPSR1. <i>Psychoneuroendocrinology</i> , <b>2010</b> , 35, 1119-32	5	48
114	Methamphetamine exposure from postnatal day 11 to 20 causes impairments in both behavioral strategies and spatial learning in adult rats. <i>Brain Research</i> , <b>2002</b> , 958, 312-21	3.7	48
113	Effects of prenatal cocaine on Morris and Barnes maze tests of spatial learning and memory in the offspring of C57BL/6J mice. <i>Neurotoxicology and Teratology</i> , <b>2000</b> , 22, 547-57	3.9	48
112	Dorsal striatal dopamine depletion impairs both allocentric and egocentric navigation in rats. <i>Neurobiology of Learning and Memory</i> , <b>2012</b> , 97, 402-8	3.1	47
111	Mouse plasmacytoma-expressed transcript 1 knock out induced 5-HT disruption results in a lack of cognitive deficits and an anxiety phenotype complicated by hypoactivity and defensiveness. <i>Neuroscience</i> , <b>2009</b> , 164, 1431-43	3.9	47
110	Progression of multiple behavioral deficits with various ages of onset in a murine model of Hurler syndrome. <i>Brain Research</i> , <b>2008</b> , 1188, 241-53	3.7	47
109	Prenatal immune challenge in rats: altered responses to dopaminergic and glutamatergic agents, prepulse inhibition of acoustic startle, and reduced route-based learning as a function of maternal body weight gain after prenatal exposure to poly IC. <i>Synapse</i> , <b>2012</b> , 66, 725-37	2.4	44
108	Alterations in body temperature, corticosterone, and behavior following the administration of 5-methoxy-diisopropyltryptamine (Roxy) to adult rats: a new drug of abuse. <i>Neuropsychopharmacology</i> , <b>2007</b> , 32, 1404-20	8.7	44
107	(+)-Methamphetamine increases corticosterone in plasma and BDNF in brain more than forced swim or isolation in neonatal rats. <i>Synapse</i> , <b>2008</b> , 62, 110-21	2.4	42
106	Short- and long-term effects of (+)-methamphetamine and (+/-)-3,4-methylenedioxymethamphetamine on monoamine and corticosterone levels in the neonatal rat following multiple days of treatment. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 1674-85	6	41
105	Phosphodiesterase 1B differentially modulates the effects of methamphetamine on locomotor activity and spatial learning through DARPP32-dependent pathways: evidence from PDE1B-DARPP32 double-knockout mice. <i>Genes, Brain and Behavior</i> , <b>2006</b> , 5, 540-51	3.6	41

104	Systemic and behavioral effects of intranasal administration of silver nanoparticles. <i>Neurotoxicology and Teratology</i> , <b>2015</b> , 51, 68-76	3.9	39
103	Effects of (+)-methamphetamine on path integration and spatial learning, but not locomotor activity or acoustic startle, align with the stress hypo-responsive period in rats. <i>International Journal of Developmental Neuroscience</i> , <b>2009</b> , 27, 289-98	2.7	38
102	Perinatal exposure to the selective serotonin reuptake inhibitor citalopram alters spatial learning and memory, anxiety, depression, and startle in Sprague-Dawley rats. <i>International Journal of Developmental Neuroscience</i> , <b>2016</b> , 54, 39-52	2.7	37
101	Neurobehavioral phenotype of C57BL/6J mice prenatally and neonatally exposed to cigarette smoke. <i>Neurotoxicology and Teratology</i> , <b>2013</b> , 35, 34-45	3.9	36
100	In utero and lactational exposure to PCBs in mice: adult offspring show altered learning and memory depending on Cyp1a2 and Ahr genotypes. <i>Environmental Health Perspectives</i> , <b>2011</b> , 119, 1286-93	3.4	36
99	Neonatal (+)-methamphetamine increases brain derived neurotrophic factor, but not nerve growth factor, during treatment and results in long-term spatial learning deficits. <i>Psychoneuroendocrinology</i> , <b>2007</b> , 32, 734-45	5	36
98	Age-dependent effects of neonatal methamphetamine exposure on spatial learning. <i>Behavioural Pharmacology</i> , <b>2007</b> , 18, 549-62	2.4	36
97	Treatment with MDMA from P11-20 disrupts spatial learning and path integration learning in adolescent rats but only spatial learning in older rats. <i>Psychopharmacology</i> , <b>2006</b> , 189, 307-18	4.7	35
96	Dopamine depletion in either the dorsomedial or dorsolateral striatum impairs egocentric Cincinnati water maze performance while sparing allocentric Morris water maze learning. <i>Neurobiology of Learning and Memory</i> , <b>2015</b> , 118, 55-63	3.1	34
95	Effect of a neurotoxic dose regimen of (+)-methamphetamine on behavior, plasma corticosterone, and brain monoamines in adult C57BL/6 mice. <i>Neurotoxicology and Teratology</i> , <b>2010</b> , 32, 346-55	3.9	34
94	Neurological deficits and glycosphingolipid accumulation in saposin B deficient mice. <i>Human Molecular Genetics</i> , <b>2008</b> , 17, 2345-56	5.6	34
93	Behavioral and growth effects induced by low dose methamphetamine administration during the neonatal period in rats. <i>International Journal of Developmental Neuroscience</i> , <b>2004</b> , 22, 273-83	2.7	34
92	Learning and memory after neonatal exposure to 3,4-methylenedioxymethamphetamine (ecstasy) in rats: interaction with exposure in adulthood. <i>Synapse</i> , <b>2005</b> , 57, 148-59	2.4	34
91	Neurotoxic (+)-methamphetamine treatment in rats increases brain-derived neurotrophic factor and tropomyosin receptor kinase B expression in multiple brain regions. <i>Neuroscience</i> , <b>2011</b> , 184, 164-73	3.9	33
90	Comparison of monoamine and corticosterone levels 24 h following (+)methamphetamine, (+/-)3,4-methylenedioxymethamphetamine, cocaine, (+)fenfluramine or (+/-)methylphenidate administration in the neonatal rat. <i>Journal of Neurochemistry</i> , <b>2006</b> , 98, 1369-78	6	33
89	Specific saposin C deficiency: CNS impairment and acid beta-glucosidase effects in the mouse. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 634-47	5.6	32
88	Methamphetamine exposure during the preweaning period causes prolonged changes in dorsal striatal protein kinase A activity, dopamine D2-like binding sites, and dopamine content. <i>Synapse</i> , <b>2003</b> , 48, 131-7	2.4	32
87	Comparison of (+)-methamphetamine, $\pm$ -methylenedioxymethamphetamine, (+)-amphetamine and $\pm$ -fenfluramine in rats on egocentric learning in the Cincinnati water maze. <i>Synapse</i> , <b>2011</b> , 65, 368-78	2.4	30

86	Neonatal methamphetamine administration induces region-specific long-term neuronal morphological changes in the rat hippocampus, nucleus accumbens and parietal cortex. <i>European Journal of Neuroscience</i> , <b>2004</b> , 19, 3165-70	3.5	30
85	Targeted mutations in the Na,K-ATPase $\alpha$ 2 isoform confer ouabain resistance and result in abnormal behavior in mice. <i>Synapse</i> , <b>2011</b> , 65, 520-31	2.4	29
84	3,4-Methylenedioxymethamphetamine administration on postnatal day 11 in rats increases pituitary-adrenal output and reduces striatal and hippocampal serotonin without altering SERT activity. <i>Brain Research</i> , <b>2005</b> , 1039, 97-107	3.7	29
83	Cincinnati water maze: A review of the development, methods, and evidence as a test of egocentric learning and memory. <i>Neurotoxicology and Teratology</i> , <b>2016</b> , 57, 1-19	3.9	28
82	Effects of developmental stress and lead (Pb) on corticosterone after chronic and acute stress, brain monoamines, and blood Pb levels in rats. <i>International Journal of Developmental Neuroscience</i> , <b>2011</b> , 29, 45-55	2.7	28
81	(+/-)3,4-Methylenedioxymethamphetamine (MDMA) dose-dependently impairs spatial learning in the morris water maze after exposure of rats to different five-day intervals from birth to postnatal day twenty. <i>Developmental Neuroscience</i> , <b>2009</b> , 31, 107-20	2.2	27
80	Effects of developmental manganese, stress, and the combination of both on monoamines, growth, and corticosterone. <i>Toxicology Reports</i> , <b>2014</b> , 1, 1046-1061	4.8	25
79	Ontogeny of the adrenal response to (+)-methamphetamine in neonatal rats: the effect of prior drug exposure. <i>Stress</i> , <b>2006</b> , 9, 153-63	3	25
78	Loss of Intercalated Cells (ITCs) in the Mouse Amygdala of Mutants Correlates with Fear, Depression, and Social Interaction Phenotypes. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 1160-1177	6.6	24
77	(+/-)-3,4-Methylenedioxymethamphetamine treatment in adult rats impairs path integration learning: a comparison of single vs once per week treatment for 5 weeks. <i>Neuropharmacology</i> , <b>2008</b> , 55, 1121-30	5.5	23
76	Developmental effects of +/-3,4-methylenedioxymethamphetamine on spatial versus path integration learning: effects of dose distribution. <i>Synapse</i> , <b>2007</b> , 61, 488-99	2.4	23
75	Effect of vitamin C deficiency during postnatal development on adult behavior: functional phenotype of Gulo <sup>-/-</sup> knockout mice. <i>Genes, Brain and Behavior</i> , <b>2012</b> , 11, 269-77	3.6	22
74	Comparison of the developmental effects of 5-methoxy-N,N-diisopropyltryptamine (Foxy) to (+/-)-3,4-methylenedioxymethamphetamine (ecstasy) in rats. <i>Psychopharmacology</i> , <b>2009</b> , 204, 287-97	4.7	22
73	6-Hydroxydopamine-Induced Dopamine Reductions in the Nucleus Accumbens, but not the Medial Prefrontal Cortex, Impair Cincinnati Water Maze Egocentric and Morris Water Maze Allocentric Navigation in Male Sprague-Dawley Rats. <i>Neurotoxicity Research</i> , <b>2016</b> , 30, 199-212	4.3	22
72	Neurobehavioral Effects from Developmental Methamphetamine Exposure. <i>Current Topics in Behavioral Neurosciences</i> , <b>2016</b> , 29, 183-230	3.4	21
71	Developmental manganese neurotoxicity in rats: Cognitive deficits in allocentric and egocentric learning and memory. <i>Neurotoxicology and Teratology</i> , <b>2017</b> , 59, 16-26	3.9	21
70	(+)-Methamphetamine-induced monoamine reductions and impaired egocentric learning in adrenalectomized rats is independent of hyperthermia. <i>Synapse</i> , <b>2010</b> , 64, 773-85	2.4	21
69	Neonatal 3,4-methylenedioxymethamphetamine (MDMA) exposure alters neuronal protein kinase A activity, serotonin and dopamine content, and [35S]GTPgammaS binding in adult rats. <i>Brain Research</i> , <b>2006</b> , 1077, 178-86	3.7	21

68	Female mice heterozygous for creatine transporter deficiency show moderate cognitive deficits. <i>Journal of Inherited Metabolic Disease</i> , <b>2014</b> , 37, 63-8	5.4	20
67	Kaolin-induced ventriculomegaly at weaning produces long-term learning, memory, and motor deficits in rats. <i>International Journal of Developmental Neuroscience</i> , <b>2014</b> , 35, 7-15	2.7	20
66	(±)3,4-methylenedioxymethamphetamine ("ecstasy") treatment modulates expression of neurotrophins and their receptors in multiple regions of adult rat brain. <i>Journal of Comparative Neurology</i> , <b>2012</b> , 520, 2459-74	3.4	20
65	Developmental treatment with the dopamine D2/3 agonist quinpirole selectively impairs spatial learning in the Morris water maze. <i>Neurotoxicology and Teratology</i> , <b>2009</b> , 31, 1-10	3.9	20
64	Oligodendrocyte Nf1 Controls Aberrant Notch Activation and Regulates Myelin Structure and Behavior. <i>Cell Reports</i> , <b>2017</b> , 19, 545-557	10.6	19
63	Deltamethrin Exposure Daily From Postnatal Day 3-20 in Sprague-Dawley Rats Causes Long-term Cognitive and Behavioral Deficits. <i>Toxicological Sciences</i> , <b>2019</b> , 169, 511-523	4.4	19
62	Differential effects of perinatal exposure to antidepressants on learning and memory, acoustic startle, anxiety, and open-field activity in Sprague-Dawley rats. <i>International Journal of Developmental Neuroscience</i> , <b>2017</b> , 61, 92-111	2.7	19
61	Mechanisms involved in the neurotoxic and cognitive effects of developmental methamphetamine exposure. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , <b>2016</b> , 108, 131-41		19
60	Cognitive impairments from developmental exposure to serotonergic drugs: citalopram and MDMA. <i>International Journal of Neuropsychopharmacology</i> , <b>2013</b> , 16, 1383-94	5.8	18
59	Effects of developmental exposure to manganese and/or low iron diet: Changes to metal transporters, sucrose preference, elevated zero-maze, open-field, and locomotion in response to fenfluramine, amphetamine, and MK-801. <i>Toxicology Reports</i> , <b>2015</b> , 2, 1046-1056	4.8	17
58	Phosphodiesterase-1b (Pde1b) knockout mice are resistant to forced swim and tail suspension induced immobility and show upregulation of Pde10a. <i>Psychopharmacology</i> , <b>2017</b> , 234, 1803-1813	4.7	16
57	A new model of Pde4d deficiency: genetic knock-down of PDE4D enzyme in rats produces an antidepressant phenotype without spatial cognitive effects. <i>Genes, Brain and Behavior</i> , <b>2012</b> , 11, 614-22 <sup>3.6</sup>	3.6	16
56	Administration of D,L-fenfluramine to rats produces learning deficits in the Cincinnati water maze but not the Morris water maze: relationship to adrenal cortical output. <i>Neurotoxicology and Teratology</i> , <b>2002</b> , 24, 783-96	3.9	16
55	Developmental manganese exposure in combination with developmental stress and iron deficiency: Effects on behavior and monoamines. <i>Neurotoxicology and Teratology</i> , <b>2016</b> , 56, 55-67	3.9	16
54	Knockout of latrophilin-3 in Sprague-Dawley rats causes hyperactivity, hyper-reactivity, under-response to amphetamine, and disrupted dopamine markers. <i>Neurobiology of Disease</i> , <b>2019</b> , 130, 104494	7.5	15
53	Developmental manganese, lead, and barren cage exposure have adverse long-term neurocognitive, behavioral and monoamine effects in Sprague-Dawley rats. <i>Neurotoxicology and Teratology</i> , <b>2018</b> , 67, 50-64	3.9	15
52	Effects of inhibiting neonatal methamphetamine-induced corticosterone release in rats by adrenal autotransplantation on later learning, memory, and plasma corticosterone levels. <i>International Journal of Developmental Neuroscience</i> , <b>2010</b> , 28, 331-42	2.7	15
51	In utero and lactational exposure to a complex mixture of polychlorinated biphenyls: toxicity in pups dependent on the Cyp1a2 and Ahr genotypes. <i>Toxicological Sciences</i> , <b>2011</b> , 119, 189-208	4.4	15

50	Developmental stress and lead (Pb): Effects of maternal separation and/or Pb on corticosterone, monoamines, and blood Pb in rats. <i>NeuroToxicology</i> , <b>2016</b> , 54, 22-33	4.4	15
49	Effect of chronic glutathione deficiency on the behavioral phenotype of Gclm <sup>-/-</sup> knockout mice. <i>Neurotoxicology and Teratology</i> , <b>2012</b> , 34, 450-7	3.9	14
48	Chronic social defeat, but not restraint stress, alters bladder function in mice. <i>Physiology and Behavior</i> , <b>2015</b> , 150, 83-92	3.5	13
47	A Single High Dose of Methamphetamine Reduces Monoamines and Impairs Egocentric and Allocentric Learning and Memory in Adult Male Rats. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 671-680	4.3	13
46	A better approach to in vivo developmental neurotoxicity assessment: Alignment of rodent testing with effects seen in children after neurotoxic exposures. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 354, 176-190	4.6	13
45	Tissue-specific effects of saposin A and saposin B on glycosphingolipid degradation in mutant mice. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 2435-50	5.6	13
44	Neonatal +-methamphetamine exposure in rats alters adult locomotor responses to dopamine D1 and D2 agonists and to a glutamate NMDA receptor antagonist, but not to serotonin agonists. <i>International Journal of Neuropsychopharmacology</i> , <b>2013</b> , 16, 377-91	5.8	13
43	Cognitive deficits and increases in creatine precursors in a brain-specific knockout of the creatine transporter gene Slc6a8. <i>Genes, Brain and Behavior</i> , <b>2018</b> , 17, e12461	3.6	12
42	Impairment of cognitive flexibility in type 2 diabetic db/db mice. <i>Behavioural Brain Research</i> , <b>2019</b> , 371, 111978	3.4	11
41	Absorption and clearance of +/-3,4-methylenedioxymethamphetamine from the plasma of neonatal rats. <i>Neurotoxicology and Teratology</i> , <b>2004</b> , 26, 849-56	3.9	11
40	Chronic psychosocial stress during pregnancy affects maternal behavior and neuroendocrine function and modulates hypothalamic CRH and nuclear steroid receptor expression. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 6	8.6	11
39	Effects of pyrethroids on brain development and behavior: Deltamethrin. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 87, 106983	3.9	11
38	Effects of Acute Exposure of Permethrin in Adult and Developing Sprague-Dawley Rats on Acoustic Startle Response and Brain and Plasma Concentrations. <i>Toxicological Sciences</i> , <b>2018</b> , 165, 361-371	4.4	10
37	Metyrapone attenuates the sequential learning deficits but not monoamine depletions following d,l-fenfluramine administration to adult rats. <i>Synapse</i> , <b>2004</b> , 54, 214-22	2.4	10
36	Effects of Housing on Methamphetamine-Induced Neurotoxicity and Spatial Learning and Memory. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 1479-1489	5.7	9
35	Glucose and corticosterone changes in developing and adult rats following exposure to (+/-)-3,4-methylenedioxymethamphetamine or 5-methoxydiisopropyltryptamine. <i>Neurotoxicology and Teratology</i> , <b>2010</b> , 32, 152-7	3.9	9
34	Infection-induced endothelial amyloids impair memory. <i>FASEB Journal</i> , <b>2019</b> , 33, 10300-10314	0.9	8
33	A heterozygous mutation in tubulin, beta 2B ( Tubb2b ) causes cognitive deficits and hippocampal disorganization. <i>Genes, Brain and Behavior</i> , <b>2017</b> , 16, 250-259	3.6	8

32	Effects of intrastriatal dopamine D1 or D2 antagonists on methamphetamine-induced egocentric and allocentric learning and memory deficits in Sprague-Dawley rats. <i>Psychopharmacology</i> , <b>2019</b> , 236, 2243-2258	4.7	7
31	Learning and memory effects of neonatal methamphetamine exposure in rats: Role of reactive oxygen species and age at assessment. <i>Synapse</i> , <b>2017</b> , 71, e21992	2.4	7
30	Neonatal methylphenidate does not impair adult spatial learning in the Morris water maze in rats. <i>Neuroscience Letters</i> , <b>2011</b> , 502, 152-6	3.3	7
29	Effects of periadolescent fluoxetine and paroxetine on elevated plus-maze, acoustic startle, and swimming immobility in rats while on and off-drug. <i>Behavioral and Brain Functions</i> , <b>2011</b> , 7, 41	4.1	7
28	Effects of Acute Deltamethrin Exposure in Adult and Developing Sprague Dawley Rats on Acoustic Startle Response in Relation to Deltamethrin Brain and Plasma Concentrations. <i>Toxicological Sciences</i> , <b>2019</b> , 168, 61-69	4.4	7
27	Enhanced Transient Striatal Dopamine Release and Reuptake in Knockout Rats. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 1171-1177	5.7	6
26	Characterization of Motor and Non-Motor Behavioral Alterations in the Dj-1 (PARK7) Knockout Rat. <i>Journal of Molecular Neuroscience</i> , <b>2019</b> , 69, 298-311	3.3	6
25	Distinct periods of developmental sensitivity to the effects of 3,4-( $\square$ )-methylenedioxymethamphetamine (MDMA) on behaviour and monoamines in rats. <i>International Journal of Neuropsychopharmacology</i> , <b>2012</b> , 15, 811-24	5.8	6
24	Neonatal methamphetamine-induced corticosterone release in rats is inhibited by adrenal autotransplantation without altering the effect of the drug on hippocampal serotonin. <i>Neurotoxicology and Teratology</i> , <b>2010</b> , 32, 356-61	3.9	6
23	Elevations in plasmatic titers of corticosterone and aldosterone, in the absence of changes in ACTH, testosterone, or glial fibrillary acidic protein, 72 h following D,L-fenfluramine or D-fenfluramine administration to rats. <i>Neurotoxicology and Teratology</i> , <b>2001</b> , 23, 23-32	3.9	6
22	Phosphodiesterase-1b deletion confers depression-like behavioral resistance separate from stress-related effects in mice. <i>Genes, Brain and Behavior</i> , <b>2017</b> , 16, 756-767	3.6	5
21	Effects on plasma corticosterone levels and brain serotonin from interference with methamphetamine-induced corticosterone release in neonatal rats. <i>Stress</i> , <b>2010</b> , 13, 469-80	3	5
20	Litter effects: Comments on Golub and Sobin's "Statistical modeling of litter as a random effect in mixed models to manage "inralitter likeness"". <i>Neurotoxicology and Teratology</i> , <b>2020</b> , 77, 106852	3.9	5
19	Effects of Prewaning Manganese in Combination with Adult Striatal Dopamine Lesions on Monoamines, BDNF, TrkB, and Cognitive Function in Sprague-Dawley Rats. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 606-620	4.3	5
18	Learning and Memory Effects of Neonatal Methamphetamine Exposure in Sprague-Dawley Rats: Test of the Role of Dopamine Receptors D1 in Mediating the Long-Term Effects. <i>Developmental Neuroscience</i> , <b>2019</b> , 41, 44-55	2.2	4
17	Effects of neonatal methamphetamine treatment on adult stress-induced corticosterone release in rats. <i>Neurotoxicology and Teratology</i> , <b>2012</b> , 34, 136-42	3.9	4
16	Neonatal citalopram treatment inhibits the 5-HT depleting effects of MDMA exposure in rats. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 12-21	5.7	4
15	Metal bashing: iron deficiency and manganese overexposure impact on peripheral nerves. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2019</b> , 82, 99-112	3.2	3



14	Effects of Neonatal Methamphetamine and Stress on Brain Monoamines and Corticosterone in Prewaning Rats. <i>Neurotoxicity Research</i> , <b>2017</b> , 31, 269-282	4.3	3
13	Neurobehavioral abnormalities following prenatal psychosocial stress are differentially modulated by maternal environment.. <i>Translational Psychiatry</i> , <b>2022</b> , 12, 22	8.6	3
12	Prenatal exposure to PCBs in Cyp1a2 knock-out mice interferes with F fertility, impairs long-term potentiation, reduces acoustic startle and impairs conditioned freezing contextual memory with minimal transgenerational effects. <i>Journal of Applied Toxicology</i> , <b>2019</b> , 39, 603-621	4.1	3
11	A novel role for the ADHD risk gene latrophilin-3 in learning and memory in Lphn3 knockout rats. <i>Neurobiology of Disease</i> , <b>2021</b> , 158, 105456	7.5	3
10	Mouse knockout of guanylyl cyclase C: Recognition memory deficits in the absence of activity changes. <i>Genes, Brain and Behavior</i> , <b>2019</b> , 18, e12573	3.6	2
9	Neuronal reorganization in adult rats neonatally exposed to (±)-3,4-methylenedioxymethamphetamine. <i>Toxicology Reports</i> , <b>2014</b> , 1, 699-706	4.8	2
8	Electroencephalographic and convulsive effects of binge doses of (+)-methamphetamine, 5-methoxydiisopropyltryptamine, and (±)-3,4-methylenedioxymethamphetamine in rats. <i>The Open Neuropsychopharmacology Journal</i> , <b>2012</b> , 5, 1-8		2
7	The potassium channel Kv4.2 regulates dendritic spine morphology, electroencephalographic characteristics and seizure susceptibility in mice. <i>Experimental Neurology</i> , <b>2020</b> , 334, 113437	5.7	2
6	Whole brain proton irradiation in adult Sprague Dawley rats produces dose dependent and non-dependent cognitive, behavioral, and dopaminergic effects. <i>Scientific Reports</i> , <b>2020</b> , 10, 21584	4.9	2
5	Impact of preweaning stress on long-term neurobehavioral outcomes in Sprague-Dawley rats: Differential effects of barren cage rearing, pup isolation, and the combination. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 84, 106956	3.9	2
4	Latrophilin-3 disruption: Effects on brain and behavior. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 127, 619-629	9	2
3	Prolonged methamphetamine exposure during a critical period in neonatal Sprague Dawley rats does not exacerbate egocentric and allocentric learning deficits but increases reference memory impairments. <i>International Journal of Developmental Neuroscience</i> , <b>2020</b> , 80, 163-174	2.7	1
2	Effects of Permethrin or Deltamethrin Exposure in Adult Sprague Dawley Rats on Acoustic and Light Prepulse Inhibition of Acoustic or Tactile Startle. <i>Neurotoxicity Research</i> , <b>2021</b> , 39, 543-555	4.3	1
1	An assessment of executive function in two different rat models of attention-deficit hyperactivity disorder: Spontaneously hypertensive versus Lphn3 knockout rats. <i>Genes, Brain and Behavior</i> , <b>2021</b> , 20, e12767	3.6	1