

Laura Ricceri

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92
papers

4,003
citations

38
h-index

62
g-index

99
ext. papers

4,630
ext. citations

4.5
avg, IF

5.32
L-index

#	Paper	IF	Citations
92	Unusual repertoire of vocalizations in the BTBR T+tf/J mouse model of autism. <i>PLoS ONE</i> , 2008 , 3, e3067	3.7	381
91	Ultrasonic vocalizations: a tool for behavioural phenotyping of mouse models of neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 508-15	9	303
90	Unusual repertoire of vocalizations in adult BTBR T+tf/J mice during three types of social encounters. <i>Genes, Brain and Behavior</i> , 2011 , 10, 44-56	3.6	239
89	B-vitamin deprivation induces hyperhomocysteinemia and brain S-adenosylhomocysteine, depletes brain S-adenosylmethionine, and enhances PS1 and BACE expression and amyloid-beta deposition in mice. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 731-46	4.8	157
88	Developmental neurotoxicity of organophosphorous pesticides: fetal and neonatal exposure to chlorpyrifos alters sex-specific behaviors at adulthood in mice. <i>Toxicological Sciences</i> , 2006 , 93, 105-13	4.4	147
87	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
86	Reduced ultrasonic vocalizations in vasopressin 1b knockout mice. <i>Behavioural Brain Research</i> , 2008 , 187, 371-8	3.4	110
85	Developmental exposure to chlorpyrifos induces alterations in thyroid and thyroid hormone levels without other toxicity signs in CD-1 mice. <i>Toxicological Sciences</i> , 2009 , 108, 311-9	4.4	95
84	Reduced social interaction, behavioural flexibility and BDNF signalling in the BTBR T+ tf/J strain, a mouse model of autism. <i>Behavioural Brain Research</i> , 2013 , 251, 35-40	3.4	88
83	Oxidative brain damage in Mecp2-mutant murine models of Rett syndrome. <i>Neurobiology of Disease</i> , 2014 , 68, 66-77	7.5	86
82	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
81	Developmental exposure to chlorpyrifos alters reactivity to environmental and social cues in adolescent mice. <i>Toxicology and Applied Pharmacology</i> , 2003 , 191, 189-201	4.6	85
80	S-adenosylmethionine reduces the progress of the Alzheimer-like features induced by B-vitamin deficiency in mice. <i>Neurobiology of Aging</i> , 2012 , 33, 1482.e1-16	5.6	84
79	Eicosapentaenoic acid stimulates the expression of myelin proteins in rat brain. <i>Journal of Neuroscience Research</i> , 2008 , 86, 776-84	4.4	82
78	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
77	An altered neonatal behavioral phenotype in Mecp2 mutant mice. <i>NeuroReport</i> , 2006 , 17, 541-4	1.7	81
76	Behavioral phenotyping of mouse models of neurodevelopmental disorders: relevant social behavior patterns across the life span. <i>Behavioural Brain Research</i> , 2007 , 176, 40-52	3.4	79

75	Cognitive and neurological deficits induced by early and prolonged basal forebrain cholinergic hypofunction in rats. <i>Experimental Neurology</i> , 2004 , 189, 162-72	5.7	67
74	Neurobehavioral development, adult openfield exploration and swimming navigation learning in mice with a modified beta-amyloid precursor protein gene. <i>Behavioural Brain Research</i> , 1998 , 95, 65-76	3.4	65
73	Transgenic and knock-out mouse pups: the growing need for behavioral analysis. <i>Genes, Brain and Behavior</i> , 2002 , 1, 135-41	3.6	56
72	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
71	Prenatal chlorpyrifos exposure alters motor behavior and ultrasonic vocalization in CD-1 mouse pups. <i>Environmental Health</i> , 2009 , 8, 12	6	54
70	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
69	Sex dimorphic behaviors as markers of neuroendocrine disruption by environmental chemicals: the case of chlorpyrifos. <i>NeuroToxicology</i> , 2012 , 33, 1420-1426	4.4	51
68	Neonatal 192 IgG-saporin lesions of basal forebrain cholinergic neurons selectively impair response to spatial novelty in adult rats.. <i>Behavioral Neuroscience</i> , 1999 , 113, 1204-1215	2.1	49
67	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
66	Long-term effects on hypothalamic neuropeptides after developmental exposure to chlorpyrifos in mice. <i>Environmental Health Perspectives</i> , 2009 , 117, 112-6	8.4	46
65	Neonatal exposure to chlorpyrifos affects maternal responses and maternal aggression of female mice in adulthood. <i>Neurotoxicology and Teratology</i> , 2008 , 30, 468-74	3.9	46
64	Early neonatal 192 IgG saporin induces learning impairments and disrupts cortical morphogenesis in rats. <i>Brain Research</i> , 2002 , 954, 160-72	3.7	46
63	Gestational exposure to the organophosphate chlorpyrifos alters social-emotional behaviour and impairs responsiveness to the serotonin transporter inhibitor fluvoxamine in mice. <i>Psychopharmacology</i> , 2010 , 208, 99-107	4.7	44
62	Ontogeny of spatial discrimination in mice: a longitudinal analysis in the modified open-field with objects. <i>Developmental Psychobiology</i> , 2000 , 37, 109-18	3	44
61	A social recognition test for female mice reveals behavioral effects of developmental chlorpyrifos exposure. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 466-71	3.9	43
60	Postnatal choline supplementation in preweanling mice: Sexually dimorphic behavioral and neurochemical effects.. <i>Behavioral Neuroscience</i> , 1998 , 112, 1387-1392	2.1	43
59	Multifactorial Origin of Neurodevelopmental Disorders: Approaches to Understanding Complex Etiologies. <i>Toxics</i> , 2015 , 3, 89-129	4.7	42
58	Animal models of mental retardation: from gene to cognitive function. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 141-53	9	42

57	Prenatal exposure to a common organophosphate insecticide delays motor development in a mouse model of idiopathic autism. <i>PLoS ONE</i> , 2015 , 10, e0121663	3.7	40
56	Rett syndrome treatment in mouse models: searching for effective targets and strategies. <i>Neuropharmacology</i> , 2013 , 68, 106-15	5.5	38
55	Temporal and spatial adaptation to food restriction in mice under naturalistic conditions. <i>Behavioural Brain Research</i> , 2000 , 115, 1-8	3.4	38
54	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
53	Different effects of postnatal day 1 versus 7 192 immunoglobulin G-saporin lesions on learning, exploratory behaviors, and neurochemistry in juvenile rats.. <i>Behavioral Neuroscience</i> , 1997 , 111, 1292-1302	3.7	36
52	Effects of maternal chlorpyrifos diet on social investigation and brain neuroendocrine markers in the offspring - a mouse study. <i>Environmental Health</i> , 2015 , 14, 32	6	35
51	The acallosal mouse strain I/LnJ: a putative model of ADHD?. <i>Neuroscience and Biobehavioral Reviews</i> , 2000 , 24, 45-50	9	34
50	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
49	Transposable Elements and Their Epigenetic Regulation in Mental Disorders: Current Evidence in the Field. <i>Frontiers in Genetics</i> , 2019 , 10, 580	4.5	29
48	Behavioral patterns under cholinergic control during development: lessons learned from the selective immunotoxin 192 IgG saporin. <i>Neuroscience and Biobehavioral Reviews</i> , 2003 , 27, 377-84	9	25
47	One-carbon metabolism in neurodevelopmental disorders: using broad-based nutraceuticals to treat cognitive deficits in complex spectrum disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 46 Pt 2, 270-84	9	24
46	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
45	Sex-dimorphic effects of gestational exposure to the organophosphate insecticide chlorpyrifos on social investigation in mice. <i>Neurotoxicology and Teratology</i> , 2014 , 46, 32-9	3.9	22
44	Neonatal basal forebrain cholinergic hypofunction affects ultrasonic vocalizations and fear conditioning responses in preweaning rats. <i>Behavioural Brain Research</i> , 2007 , 183, 111-7	3.4	21
43	Comparative Gene Expression Analysis of Two Mouse Models of Autism: Transcriptome Profiling of the BTBR and En2 (-/-) Hippocampus. <i>Frontiers in Neuroscience</i> , 2016 , 10, 396	5.1	21
42	A large outdoor radial maze for comparative studies in birds and mammals. <i>Neuroscience and Biobehavioral Reviews</i> , 2001 , 25, 83-99	9	20
41	Foetal and neonatal exposure to chlorpyrifos: biochemical and metabolic alterations in the mouse liver at different developmental stages. <i>Toxicology</i> , 2011 , 280, 98-108	4.4	19
40	Nerve growth factor affects passive avoidance learning and retention in developing mice. <i>Brain Research Bulletin</i> , 1996 , 39, 219-26	3.9	19

39	High expression of Endogenous Retroviruses from intrauterine life to adulthood in two mouse models of Autism Spectrum Disorders. <i>Scientific Reports</i> , 2018 , 8, 629	4.9	18
38	Systemic administration of anti-NGF antibodies to neonatal mice impairs 24-h retention of an inhibitory avoidance task while increasing ChAT immunoreactivity in the medial septum. <i>Behavioural Brain Research</i> , 1996 , 78, 81-91	3.4	18
37	Basal forebrain cholinergic lesions in 7-day-old rats alter ultrasound vocalisations and homing behaviour. <i>Behavioural Brain Research</i> , 2005 , 161, 169-72	3.4	17
36	Preservation of mitochondrial functional integrity in mitochondria isolated from small cryopreserved mouse brain areas. <i>Analytical Biochemistry</i> , 2014 , 444, 25-31	3.1	16
35	Early Behavioral Alterations and Increased Expression of Endogenous Retroviruses Are Inherited Across Generations in Mice Prenatally Exposed to Valproic Acid. <i>Molecular Neurobiology</i> , 2019 , 56, 3736-3750	6.7	16
34	Sexually dimorphic effects of anti-NGF treatment in neonatal rats. <i>Developmental Brain Research</i> , 1997 , 101, 273-6		15
33	Ultrasonic vocalizations as a fundamental tool for early and adult behavioral phenotyping of Autism Spectrum Disorder rodent models. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 116, 31-43	9	14
32	Early social enrichment affects responsiveness to different social cues in female mice. <i>Behavioural Brain Research</i> , 2009 , 196, 304-9	3.4	14
31	Persistent Unresolved Inflammation in the -308 Female Mutated Mouse Model of Rett Syndrome. <i>Mediators of Inflammation</i> , 2017 , 2017, 9467819	4.3	12
30	Does age matter? Behavioral and neuro-anatomical effects of neonatal and adult basal forebrain cholinergic lesions. <i>Journal of Alzheimer's Disease</i> , 2010 , 20, 207-27	4.3	11
29	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
28	Postnatal cocaine exposure affects neonatal passive avoidance performance and cholinergic development in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993 , 45, 283-9	3.9	11
27	Impairment of passive avoidance learning following repeated administrations of antibodies against nerve growth factor in neonatal mice. <i>NeuroReport</i> , 1994 , 5, 1401-1404	1.7	11
26	NGF induces appearance of adult-like response to spatial novelty in 18-day male mice. <i>Behavioural Brain Research</i> , 2002 , 136, 289-98	3.4	10
25	HPLC Determination of Bioactive Sulfur Compounds, Amino Acids and Biogenic Amines in Biological Specimens. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 975 Pt 1, 535-549	3.6	9
24	Prenatal AZT or 3TC and mouse development of locomotor activity and hot-plate responding upon administration of the GABA(A) receptor agonist muscimol. <i>Psychopharmacology</i> , 2001 , 153, 434-42	4.7	9
23	Neonatal exposure to anti-nerve growth factor antibodies affects exploratory behavior of developing mice in the hole board. <i>Neurotoxicology and Teratology</i> , 1996 , 18, 141-6	3.9	9
22	Neonatal cocaine alters behavioural responsiveness to scopolamine and cholinergic development in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1997 , 56, 557-63	3.9	8

21	Neonatal cholinergic lesions and development of exploration upon administration of the GABA _A receptor agonist muscimol in preweaning rats. <i>Pharmacology Biochemistry and Behavior</i> , 2003 , 76, 213-217	3.9	8
20	Endogenous Retroviruses Activity as a Molecular Signature of Neurodevelopmental Disorders. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
19	Rodent Vocalization Studies in Animal Models of the Autism Spectrum Disorder. <i>Handbook of Behavioral Neuroscience</i> , 2018 , 25, 445-456	0.7	6
18	The law through the eye of a needle. How and when to apply the new European Directive on animals used in research. <i>EMBO Reports</i> , 2011 , 12, 637-40	6.5	6
17	Differential Expression of Hippocampal Circular RNAs in the BTBR Mouse Model for Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020 , 57, 2301-2313	6.2	5
16	Maternal Immune Activation in Mice Only Partially Recapitulates the Autism Spectrum Disorders Symptomatology. <i>Neuroscience</i> , 2020 , 445, 109-119	3.9	4
15	Sex-Dependent Effects of Developmental Lead Exposure in Wistar Rats: Evidence from Behavioral and Molecular Correlates. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
14	Eye Drop Instillation of the Rac1 Modulator CNF1 Attenuates Retinal Gliosis and Ameliorates Visual Performance in a Rat Model of Hypertensive Retinopathy. <i>Neuroscience</i> , 2019 , 411, 119-129	3.9	2
13	Cnf1 Variants Endowed with the Ability to Cross the Blood-Brain Barrier: A New Potential Therapeutic Strategy for Glioblastoma. <i>Toxins</i> , 2020 , 12,	4.9	2
12	Active and passive avoidance	291-298	2
11	Investigating Rett Syndrome Through Genetic Mouse Models: Presymptomatic, Clearly Symptomatic Phases, and Innovative Therapeutic Approaches. <i>Neuromethods</i> , 2010 , 151-178	0.4	2
10	Prenatal oxazepam affects passive avoidance performance of preweaning mice. <i>Brain Research Bulletin</i> , 1994 , 33, 267-71	3.9	2
9	Adequate statistical methods to reduce the number of animals used in behavioural experiments: the analysis of the behavioural transitions. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32 Suppl 1A, 249-57	2.1	1
8	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
7	Mouse Behavior and Models for Autism Spectrum Disorders	2016 , 269-293	1
6	Beneficial Effects of Fingolimod on Social Interaction, CNS and Peripheral Immune Response in the BTBR Mouse Model of Autism. <i>Neuroscience</i> , 2020 , 435, 22-32	3.9	1
5	Developmental Neurotoxicity of Endocrine Disruptor Chemicals: A Challenge for Behavioral Toxicology. <i>Advances in Neurotoxicology</i> , 2018 , 2, 197-225	1.6	1
4	Postweaning social isolation and autism-like phenotype: a biochemical and behavioral comparative analysis.. <i>Behavioural Brain Research</i> , 2022 , 113891	3.4	0

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2 Behavioral Phenotyping in Genetic Mouse Models of Autism Spectrum Disorders: A Translational Outlook **2017**, 271-293

1 Scoring learning and memory in developing rodents. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2006*, Chapter 13, Unit13.11

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