

Laura Ricceri

List of Publications by Year in descending order

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95
papers

5,017
citations

76196

40
h-index

95083

68
g-index

99
all docs

99
docs citations

99
times ranked

5441
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual Repertoire of Vocalizations in the BTBR T+tf/J Mouse Model of Autism. <i>PLoS ONE</i> , 2008, 3, e3067.	1.1	492
2	Ultrasonic vocalizations: A tool for behavioural phenotyping of mouse models of neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 508-515.	2.9	413
3	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.	1.1	316
4	B-vitamin deprivation induces hyperhomocysteinemia and brain S-adenosylhomocysteine, depletes brain S-adenosylmethionine, and enhances PS1 and BACE expression and amyloid- β 2 deposition in mice. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 731-746.	1.0	183
5	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, 105-113.	1.4	158
6	Reduced ultrasonic vocalizations in vasopressin 1b knockout mice. <i>Behavioural Brain Research</i> , 2008, 187, 371-378.	1.2	144
7	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.	1.2	125
8	Early postnatal behavioral changes in the <i>Mecp2</i> truncation mouse model of Rett syndrome. <i>Genes, Brain and Behavior</i> , 2010, 9, 213-223.	1.1	123
9	Oxidative brain damage in <i>Mecp2</i> -mutant murine models of Rett syndrome. <i>Neurobiology of Disease</i> , 2014, 68, 66-77.	2.1	118
10	Developmental Exposure to Chlorpyrifos Induces Alterations in Thyroid and Thyroid Hormone Levels Without Other Toxicity Signs in Cd1 Mice. <i>Toxicological Sciences</i> , 2009, 108, 311-319.	1.4	108
11	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.e1-1482.e16.	1.5	107
12	Mouse models of Rett syndrome: from behavioural phenotyping to preclinical evaluation of new therapeutic approaches. <i>Behavioural Pharmacology</i> , 2008, 19, 501-517.	0.8	97
13	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.	1.2	96
14	An altered neonatal behavioral phenotype in <i>Mecp2</i> mutant mice. <i>NeuroReport</i> , 2006, 17, 541-544.	0.6	91
15	Eicosapentaenoic acid stimulates the expression of myelin proteins in rat brain. <i>Journal of Neuroscience Research</i> , 2008, 86, 776-784.	1.3	91
16	Modulation of RhoGTPases Improves the Behavioral Phenotype and Reverses Astrocytic Deficits in a Mouse Model of Rett Syndrome. <i>Neuropsychopharmacology</i> , 2012, 37, 1152-1163.	2.8	91
17	Developmental exposure to chlorpyrifos alters reactivity to environmental and social cues in adolescent mice. <i>Toxicology and Applied Pharmacology</i> , 2003, 191, 189-201.	1.3	90
18	Cognitive and neurological deficits induced by early and prolonged basal forebrain cholinergic hypofunction in rats. <i>Experimental Neurology</i> , 2004, 189, 162-172.	2.0	84

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19	Neurobehavioral development, adult openfield exploration and swimming navigation learning in mice with a modified β -amyloid precursor protein gene. <i>Behavioural Brain Research</i> , 1998, 95, 65-76.	1.2	72
20	Prenatal chlorpyrifos exposure alters motor behavior and ultrasonic vocalization in cd-1 mouse pups. <i>Environmental Health</i> , 2009, 8, 12.	1.7	69
21	Transgenic and knock-out mouse pups: the growing need for behavioral analysis. <i>Genes, Brain and Behavior</i> , 2002, 1, 135-141.	1.1	67
22	Multifactorial Origin of Neurodevelopmental Disorders: Approaches to Understanding Complex Etiologies. <i>Toxics</i> , 2015, 3, 89-129.	1.6	65
23	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, 167-177.	1.3	65
24	Pharmacological Stimulation of the Brain Serotonin Receptor 7 as a Novel Therapeutic Approach for Rett Syndrome. <i>Neuropsychopharmacology</i> , 2014, 39, 2506-2518.	2.8	64
25	Transposable Elements and Their Epigenetic Regulation in Mental Disorders: Current Evidence in the Field. <i>Frontiers in Genetics</i> , 2019, 10, 580.	1.1	59
26	Sex dimorphic behaviors as markers of neuroendocrine disruption by environmental chemicals: The case of chlorpyrifos. <i>NeuroToxicology</i> , 2012, 33, 1420-1426.	1.4	56
27	Cholinergic hypofunction in MeCP2-308 mice: Beneficial neurobehavioural effects of neonatal choline supplementation. <i>Behavioural Brain Research</i> , 2011, 221, 623-629.	1.2	55
28	Long-Term Effects on Hypothalamic Neuropeptides after Developmental Exposure to Chlorpyrifos in Mice. <i>Environmental Health Perspectives</i> , 2009, 117, 112-116.	2.8	54
29	Neonatal exposure to chlorpyrifos affects maternal responses and maternal aggression of female mice in adulthood. <i>Neurotoxicology and Teratology</i> , 2008, 30, 468-474.	1.2	53
30	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.	1.5	52
31	A social recognition test for female mice reveals behavioral effects of developmental chlorpyrifos exposure. <i>Neurotoxicology and Teratology</i> , 2006, 28, 466-471.	1.2	50
32	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.	0.6	49
33	Prenatal Exposure to a Common Organophosphate Insecticide Delays Motor Development in a Mouse Model of Idiopathic Autism. <i>PLoS ONE</i> , 2015, 10, e0121663.	1.1	48
34	Ontogeny of spatial discrimination in mice: A longitudinal analysis in the modified open-field with objects. <i>Developmental Psychobiology</i> , 2000, 37, 109-118.	0.9	47
35	Early neonatal 192 IgG saporin induces learning impairments and disrupts cortical morphogenesis in rats. <i>Brain Research</i> , 2002, 954, 160-172.	1.1	47
36	Temporal and spatial adaptation to food restriction in mice under naturalistic conditions. <i>Behavioural Brain Research</i> , 2000, 115, 1-8.	1.2	46

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37	Animal models of mental retardation: from gene to cognitive function. <i>Neuroscience and Biobehavioral Reviews</i> , 2003, 27, 141-153.	2.9	46
38	Postnatal choline supplementation in preweaning mice: Sexually dimorphic behavioral and neurochemical effects.. <i>Behavioral Neuroscience</i> , 1998, 112, 1387-1392.	0.6	44
39	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.	1.7	44
40	Rett syndrome treatment in mouse models: Searching for effective targets and strategies. <i>Neuropharmacology</i> , 2013, 68, 106-115.	2.0	43
41	Comparative Gene Expression Analysis of Two Mouse Models of Autism: Transcriptome Profiling of the BTBR and <i>En2^{fl/fl}</i> Hippocampus. <i>Frontiers in Neuroscience</i> , 2016, 10, 396.	1.4	43
42	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.	2.9	42
43	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.	0.3	41
44	The acallosal mouse strain I/LnJ: a putative model of ADHD?. <i>Neuroscience and Biobehavioral Reviews</i> , 2000, 24, 45-50.	2.9	38
45	Altered emotionality, spatial memory and cholinergic function in caveolin-1 knock-out mice. <i>Behavioural Brain Research</i> , 2008, 188, 255-262.	1.2	38
46	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.	0.6	37
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, 270-284.	2.9	33
48	A large outdoor radial maze for comparative studies in birds and mammals. <i>Neuroscience and Biobehavioral Reviews</i> , 2001, 25, 83-99.	2.9	32
49	Behavioral patterns under cholinergic control during development: lessons learned from the selective immunotoxin 192 IgG saporin. <i>Neuroscience and Biobehavioral Reviews</i> , 2003, 27, 377-384.	2.9	27
50	Sex-dimorphic effects of gestational exposure to the organophosphate insecticide chlorpyrifos on social investigation in mice. <i>Neurotoxicology and Teratology</i> , 2014, 46, 32-39.	1.2	27
51	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.	1.9	27
52	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, 174-183.	2.0	26
53	Differential Expression of Hippocampal Circular RNAs in the BTBR Mouse Model for Autism Spectrum Disorder. <i>Molecular Neurobiology</i> , 2020, 57, 2301-2313.	1.9	26
54	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.	1.6	24

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55	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.	1.2	23
56	Neonatal basal forebrain cholinergic hypofunction affects ultrasonic vocalizations and fear conditioning responses in preweaning rats. <i>Behavioural Brain Research</i> , 2007, 183, 111-117.	1.2	23
57	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.	2.0	22
58	Preservation of mitochondrial functional integrity in mitochondria isolated from small cryopreserved mouse brain areas. <i>Analytical Biochemistry</i> , 2014, 444, 25-31.	1.1	22
59	Early social enrichment affects responsiveness to different social cues in female mice. <i>Behavioural Brain Research</i> , 2009, 196, 304-309.	1.2	21
60	Nerve growth factor affects passive avoidance learning and retention in developing mice. <i>Brain Research Bulletin</i> , 1996, 39, 219-226.	1.4	19
61	Basal forebrain cholinergic lesions in 7-day-old rats alter ultrasound vocalisations and homing behaviour. <i>Behavioural Brain Research</i> , 2005, 161, 169-172.	1.2	19
62	Risk factors for mental health: Translational models from behavioural neuroscience. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 493-497.	2.9	19
63	Maternal Immune Activation in Mice Only Partially Recapitulates the Autism Spectrum Disorders Symptomatology. <i>Neuroscience</i> , 2020, 445, 109-119.	1.1	19
64	Endogenous Retroviruses Activity as a Molecular Signature of Neurodevelopmental Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6050.	1.8	18
65	Persistent Unresolved Inflammation in the <i>Mecp2</i> -308 Female Mutated Mouse Model of Rett Syndrome. <i>Mediators of Inflammation</i> , 2017, 2017, 1-9.	1.4	17
66	Sexually dimorphic effects of anti-NGF treatment in neonatal rats. <i>Developmental Brain Research</i> , 1997, 101, 273-276.	2.1	16
67	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, 207-227.	1.2	13
68	Impairment of passive avoidance learning following repeated administrations of antibodies against nerve growth factor in neonatal mice. <i>NeuroReport</i> , 1994, 5, 1401-1404.	0.6	13
69	Postnatal cocaine exposure affects neonatal passive avoidance performance and cholinergic development in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1993, 45, 283-289.	1.3	12
70	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, 2664.	1.8	12
71	Prenatal AZT or 3TC and mouse development of locomotor activity and hot-plate responding upon administration of the GABAA receptor agonist muscimol. <i>Psychopharmacology</i> , 2001, 153, 434-442.	1.5	11
72	NGF induces appearance of adult-like response to spatial novelty in 18-day male mice. <i>Behavioural Brain Research</i> , 2002, 136, 289-298.	1.2	11

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73	Long-term effects of neonatal basal forebrain cholinergic lesions on radial maze learning and impulsivity in rats. <i>Behavioural Pharmacology</i> , 2006, 17, 517-524.	0.8	11
74	Neonatal Cocaine Alters Behavioural Responsiveness to Scopolamine and Cholinergic Development in Mice. <i>Pharmacology Biochemistry and Behavior</i> , 1997, 56, 557-563.	1.3	10
75	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.	1.1	10
76	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, 141-146.	1.2	9
77	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.	0.8	9
78	Rodent Vocalization Studies in Animal Models of the Autism Spectrum Disorder. <i>Handbook of Behavioral Neuroscience</i> , 2018, 25, 445-456.	0.7	9
79	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, 213-221.	1.3	8
80	The law through the eye of a needle. <i>EMBO Reports</i> , 2011, 12, 637-640.	2.0	8
81	Postweaning social isolation and autism-like phenotype: A biochemical and behavioral comparative analysis. <i>Behavioural Brain Research</i> , 2022, 428, 113891.	1.2	7
82	Low-level lead exposure during development differentially affects neurobehavioral responses in male and female mouse offspring: A longitudinal study. <i>NeuroToxicology</i> , 2022, 91, 188-199.	1.4	7
83	Cnf1 Variants Endowed with the Ability to Cross the Blood-Brain Barrier: A New Potential Therapeutic Strategy for Glioblastoma. <i>Toxins</i> , 2020, 12, 291.	1.5	6
84	Ultrasonic vocalizations in laboratory mice: strain, age, and sex differences. <i>Genes, Brain and Behavior</i> , 2022, 21, .	1.1	6
85	Mouse Behavior and Models for Autism Spectrum Disorders. , 2016, , 269-293.		5
86	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, 6739.	1.8	5
87	Investigating Rett Syndrome Through Genetic Mouse Models: Presymptomatic, Clearly Symptomatic Phases, and Innovative Therapeutic Approaches. <i>Neuromethods</i> , 2010, , 151-178.	0.2	3
88	Active and passive avoidance. , 2013, , 291-298.		3
89	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.	1.1	3
90	Prenatal oxazepam affects passive avoidance performance of preweaning mice. <i>Brain Research Bulletin</i> , 1994, 33, 267-271.	1.4	2

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91	Developmental Neurotoxicity of Endocrine Disruptor Chemicals: A Challenge for Behavioral Toxicology. <i>Advances in Neurotoxicology</i> , 2018, 2, 197-225.	0.7	2
92	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, 249-257.	0.7	1
93	Scoring Learning and Memory in Developing Rodents. <i>Current Protocols in Toxicology / Editorial Board</i> , Mahin D Maines (editor-in-chief) [et Al], 2006, 27, Unit13.11.	1.1	0
94	Editorial. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 46, 159-160.	2.9	0
95	Rett syndrome. , 0, , 134-145.		0