Catherine Fernandes

List of Publications by Citations

83 papers	3,479 citations	32 h-index	57 g-index
88 ext. papers	4,081 ext. citations	5.1 avg, IF	5.08 L-index

#	Paper	IF	Citations
83	The influence of open arm ledges and maze experience in the elevated plus-maze. *Pharmacology Biochemistry and Behavior*, **1996**, 54, 31-40	3.9	246
82	Factor analysis shows that female rat behaviour is characterized primarily by activity, male rats are driven by sex and anxiety. *Pharmacology Biochemistry and Behavior*, **1999**, 64, 731-8	3.9	185
81	Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. *Neuron*, **2017**, 95, 639-655.e10	13.9	146
80	Impaired performance of alpha7 nicotinic receptor knockout mice in the five-choice serial reaction time task. *Psychopharmacology*, **2006**, 189, 211-23	4.7	132
79	Copy number variations in neurodevelopmental disorders. *Progress in Neurobiology*, **2012**, 99, 81-91	10.9	129
78	Cannabis use in young people: the risk for schizophrenia. *Neuroscience and Biobehavioral Reviews*, **2011**, 35, 1779-87	9	122
77	Altered social behaviours in neurexin 1 knockout mice resemble core symptoms in neurodevelopmental disorders. *PLoS ONE*, **2013**, 8, e67114	3.7	114
76	Maternal separation is associated with strain-specific responses to stress and epigenetic alterations to Nr3c1, Avp, and Nr4a1 in mouse. *Brain and Behavior*, **2012**, 2, 455-67	3.4	105
75	Assessing reliability, heritability and general cognitive ability in a battery of cognitive tasks for laboratory mice. *Behavior Genetics*, **2005**, 35, 675-92	3.2	105
74	Drugs and addiction: an introduction to epigenetics. *Addiction*, **2011**, 106, 480-9	4.6	104
73	Genetics of behavioural domains across the neuropsychiatric spectrum; of mice and men. *Molecular Psychiatry*, **2007**, 12, 324-30	15.1	103
72	Cross-region reduction in 5-hydroxymethylcytosine in Alzheimer's disease brain. *Neurobiology of Aging*, **2014**, 35, 1850-4	5.6	96
71	Decreased 5-HT1A and increased 5-HT2A receptor binding after chronic corticosterone associated with a behavioural indication of depression but not anxiety. *Psychoneuroendocrinology*, **1997**, 22, 477-91	5	93
70	Performance deficit of alpha7 nicotinic receptor knockout mice in a delayed matching-to-place task suggests a mild impairment of working/episodic-like memory. *Genes, Brain and Behavior*, **2006**, 5, 433-40	3.6	86
69	Genotyping pooled DNA on microarrays: a systematic genome screen of thousands of SNPs in large samples to detect QTLs for complex traits. *Behavior Genetics*, **2004**, 34, 549-55	3.2	83
68	Behavioural battery testing: evaluation and behavioural outcomes in 8 inbred mouse strains. *Physiology and Behavior*, **2010**, 99, 301-16	3.5	77
67	Hippocampal gene expression profiling across eight mouse inbred strains: towards understanding the molecular basis for behaviour. *European Journal of Neuroscience*, **2004**, 19, 2576-82	3.5	73

66	Current status and future prospects for epigenetic psychopharmacology. *Epigenetics*, **2012**, 7, 20-8	5.7	69
65	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. *Cerebral Cortex*, **2018**, 28, 2192-2206	5.1	65
64	Advancing paternal age is associated with deficits in social and exploratory behaviors in the offspring: a mouse model. *PLoS ONE*, **2009**, 4, e8456	3.7	65
63	Advanced paternal age effects in neurodevelopmental disorders-review of potential underlying mechanisms. *Translational Psychiatry*, **2017**, 7, e1019	8.6	64
62	CaMKII autophosphorylation controls the establishment of alcohol drinking behavior. *Neuropsychopharmacology*, **2013**, 38, 1636-47	8.7	56
61	Genotyping DNA pools on microarrays: tackling the QTL problem of large samples and large numbers of SNPs. *BMC Genomics*, **2005**, 6, 52	4.5	55
60	Depression-Related Behavioral Tests. *Current Protocols in Mouse Biology*, **2012**, 2, 119-27	1.1	54
59	Dizocilpine prevents the development of tolerance to the sedative effects of diazepam in rats. *Pharmacology Biochemistry and Behavior*, **1994**, 47, 823-6	3.9	53
58	The effect of treatment regimen on the development of tolerance to the sedative and anxiolytic effects of diazepam. *Psychopharmacology*, **1999**, 145, 251-9	4.7	52
57	Evidence that the median raphe nucleus--dorsal hippocampal pathway mediates diazepam withdrawal-induced anxiety. *Psychopharmacology*, **1997**, 130, 228-34	4.7	51
56	Genetic targeting of NRXN2 in mice unveils role in excitatory cortical synapse function and social behaviors. *Frontiers in Synaptic Neuroscience*, **2015**, 7, 3	3.5	47
55	Reduced anxiety and depression-like behaviours in the circadian period mutant mouse afterhours. *PLoS ONE*, **2012**, 7, e38263	3.7	45
54	Transcription factors FOXA1 and FOXA2 maintain dopaminergic neuronal properties and control feeding behavior in adult mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E4929-38	11.5	42
53	The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression. *Journal of Clinical Investigation*, **2017**, 127, 874-887	15.9	40
52	Beneficial effects of glycine (bioglycin) on memory and attention in young and middle-aged adults. *Journal of Clinical Psychopharmacology*, **1999**, 19, 506-12	1.7	37
51	Drug discrimination and neurochemical studies in alpha7 null mutant mice: tests for the role of nicotinic alpha7 receptors in dopamine release. *Psychopharmacology*, **2009**, 203, 399-410	4.7	32
50	A method for gender determination in newborn dark pigmented mice. *Lab Animal*, **2009**, 38, 35-8	0.4	32
49	Modulation of adult hippocampal neurogenesis by early-life environmental challenges triggering immune activation. *Neural Plasticity*, **2014**, 2014, 194396	3.3	31

48	□CaMKII autophosphorylation controls the establishment of alcohol-induced conditioned place preference in mice. *Behavioural Brain Research*, **2013**, 252, 72-6	3.4	30
47	Peripheral blood RNA gene expression profiling in patients with bacterial meningitis. *Frontiers in Neuroscience*, **2013**, 7, 33	5.1	30
46	Age-associated changes in DNA methylation across multiple tissues in an inbred mouse model. *Mechanisms of Ageing and Development*, **2016**, 154, 20-3	5.6	27
45	□CaMKII autophosphorylation controls exploratory activity to threatening novel stimuli. *Neuropharmacology*, **2011**, 61, 1424-31	5.5	27
44	Chronic stress followed by social isolation promotes depressive-like behaviour, alters microglial and astrocyte biology and reduces hippocampal neurogenesis in male mice. *Brain, Behavior, and Immunity*, **2021**, 91, 24-47	16.6	26
43	Antidepressants and the resilience to early-life stress in inbred mouse strains. *Pharmacogenetics and Genomics*, **2011**, 21, 779-89	1.9	25
42	Targeting Glia with N-Acetylcysteine Modulates Brain Glutamate and Behaviors Relevant to Neurodevelopmental Disorders in C57BL/6J Mice. *Frontiers in Behavioral Neuroscience*, **2015**, 9, 343	3.5	24
41	Evidence against oppositional and pharmacokinetic mechanisms of tolerance to diazepam□s sedative effects. *Brain Research*, **1996**, 734, 236-242	3.7	24
40	Quantitative traits for the tail suspension test: automation, optimization, and BXD RI mapping. *Mammalian Genome*, **2007**, 18, 482-91	3.2	23
39	Behavioral characterization of wild derived male mice (Mus musculus musculus) of the PWD/Ph inbred strain: high exploration compared to C57BL/6J. *Behavior Genetics*, **2004**, 34, 621-30	3.2	21
38	Gene expression profiling reveals upregulation of Tlr4 receptors in Cckb receptor deficient mice. *Behavioural Brain Research*, **2008**, 188, 62-70	3.4	20
37	The type of stress matters: repeated injection and permanent social isolation stress in male mice have a differential effect on anxiety- and depressive-like behaviours, and associated biological alterations. *Translational Psychiatry*, **2020**, 10, 325	8.6	20
36	Dizocilpine does not prevent the development of tolerance to the anxiolytic effects of diazepam in rats. *Brain Research*, **1999**, 815, 431-4	3.7	19
35	Sox14 Is Required for a Specific Subset of Cerebello-Olivary Projections. *Journal of Neuroscience*, **2018**, 38, 9539-9550	6.6	17
34	Paternal Age Alters Social Development in Offspring. *Journal of the American Academy of Child and Adolescent Psychiatry*, **2017**, 56, 383-390	7.2	16
33	Genetic variation in hippocampal microRNA expression differences in C57BL/6 J X DBA/2 J (BXD) recombinant inbred mouse strains. *BMC Genomics*, **2012**, 13, 476	4.5	16
32	Oligomeric amyloid-□eptide affects the expression of genes involved in steroid and lipid metabolism in primary neurons. *Neurochemistry International*, **2012**, 61, 321-33	4.4	15
31	Silencing of the WFS1 gene in HEK cells induces pathways related to neurodegeneration and mitochondrial damage. *Physiological Genomics*, **2013**, 45, 182-90	3.6	14

30	Are lorazepam-induced deficits in attention similar to those resulting from aging?. *Journal of Clinical Psychopharmacology*, **2001**, 21, 126-30	1.7	14
29	Diazepam withdrawal increases [3H]-5-HT release from rat amygdaloid slices. *Pharmacology Biochemistry and Behavior*, **1994**, 49, 359-62	3.9	14
28	Beware the builders: construction noise changes [14C]GABA release and uptake from amygdaloid and hippocampal slices in the rat. *Neuropharmacology*, **1993**, 32, 1333-6	5.5	14
27	To What Extent is Blood a Reasonable Surrogate for Brain in Gene Expression Studies: Estimation from Mouse Hippocampus and Spleen. *Frontiers in Neuroscience*, **2009**, 3, 54	5.1	13
26	Noise stress and the development of benzodiazepine dependence in the rat. *Anxiety*, **1994**, 1, 8-12		13
25	Associations of the Intellectual Disability Gene MYT1L with Helix-Loop-Helix Gene Expression, Hippocampus Volume and Hippocampus Activation During Memory Retrieval. *Neuropsychopharmacology*, **2017**, 42, 2516-2526	8.7	12
24	DNA methylation at the Igf2/H19 imprinting control region is associated with cerebellum mass in outbred mice. *Molecular Brain*, **2012**, 5, 42	4.5	12
23	Rasgrf2 controls noradrenergic involvement in the acute and subchronic effects of alcohol in the brain. *Psychopharmacology*, **2014**, 231, 4199-209	4.7	9
22	Repeated lipopolysaccharide exposure modifies immune and sickness behaviour response in an animal model of chronic inflammation. *Journal of Psychopharmacology*, **2018**, 32, 236-247	4.6	8
21	Transcriptomic changes in the frontal cortex associated with paternal age. *Molecular Autism*, **2014**, 5, 24	6.5	8
20	Assessing the developmental trajectory of mouse models of neurodevelopmental disorders: Social and communication deficits in mice with Neurexin 1 deletion. *Genes, Brain and Behavior*, **2020**, 19, e12630	3.6	8
19	Effects of antidepressant drug exposure on gene expression in the developing cerebral cortex. *Synapse*, **2014**, 68, 209-20	2.4	7
18	Effect of chronic valproic Acid treatment on hepatic gene expression profile in wfs1 knockout mouse. *PPAR Research*, **2014**, 2014, 349525	4.3	7
17	Rasgrf2 controls dopaminergic adaptations to alcohol in mice. *Brain Research Bulletin*, **2014**, 109, 143-50	3.9	6
16	Transcriptomic profiles of Wnt3a and insulin in primary cultured rat cortical neurones. *Journal of Neurochemistry*, **2011**, 118, 512-20	6	6
15	Chronic stress induces significant gene expression changes in the prefrontal cortex alongside alterations in adult hippocampal neurogenesis. *Brain Communications*, **2020**, 2, fcaa153	4.5	6
14	Hypothalamic gene expression profile indicates a reduction in G protein signaling in the Wfs1 mutant mice. *Physiological Genomics*, **2011**, 43, 1351-8	3.6	5
13	Do different types of stress differentially alter behavioural and neurobiological outcomes associated with depression in rodent models? A systematic review. *Frontiers in Neuroendocrinology*, **2021**, 61, 100896	8.9	5

12	Cerebellar Vermis and Midbrain Hypoplasia Upon Conditional Deletion of from the Embryonic Mid-Hindbrain Region. *Frontiers in Neuroanatomy*, **2017**, 11, 86	3.6	4
11	Assessing individual differences in genome-wide gene expression in human whole blood: reliability over four hours and stability over 10 months. *Twin Research and Human Genetics*, **2009**, 12, 372-80	2.2	4
10	PKG1□oxidation negatively regulates food seeking behaviour and reward. *Redox Biology*, **2019**, 21, 101077	11.3	4
9	Distinct, dosage-sensitive requirements for the autism-associated factor CHD8 during cortical development. *Molecular Autism*, **2021**, 12, 16	6.5	4
8	Mapping of a FEB3 homologous febrile seizure locus on mouse chromosome 2 containing candidate genes Scn1a and Scn3a. *European Journal of Neuroscience*, **2016**, 44, 2950-2957	3.5	2
7	Peripheral blood RNA expression profiling in illicit methcathinone users reveals effect on immune system. *Frontiers in Genetics*, **2011**, 2, 42	4.5	2
6	Effects of Low-Dose Gestational TCDD Exposure on Behavior and on Hippocampal Neuron Morphology and Gene Expression in Mice. *Environmental Health Perspectives*, **2021**, 129, 57002	8.4	2
5	Genetic polymorphisms and their association with brain and behavioural measures in heterogeneous stock mice. *Scientific Reports*, **2017**, 7, 41204	4.9	1
4	Brain specific Lamellipodin knockout results in hyperactivity and increased anxiety of mice. *Scientific Reports*, **2017**, 7, 5365	4.9	1
3	The influence of alcoholism and cirrhosis on benzodiazepine receptor function. *Pharmacology Biochemistry and Behavior*, **1998**, 59, 949-54	3.9	1
2	Non-monotonic regulation of gene expression, neural progenitor fate and brain growth by the chromatin remodeller CHD8		1
1	The zinc finger/RING domain protein Unkempt regulates cognitive flexibility. *Scientific Reports*, **2021**, 11, 16299	4.9	0