

Catherine Fernandes

List of Publications by Year in Descending Order

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

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	Do different types of stress differentially alter behavioural and neurobiological outcomes associated with depression in rodent models? A systematic review. <i>Frontiers in Neuroendocrinology</i> , 2021 , 61, 100896	8.9	5
82	Effects of Low-Dose Gestational TCDD Exposure on Behavior and on Hippocampal Neuron Morphology and Gene Expression in Mice. <i>Environmental Health Perspectives</i> , 2021 , 129, 57002	8.4	2
81	Chronic stress followed by social isolation promotes depressive-like behaviour, alters microglial and astrocyte biology and reduces hippocampal neurogenesis in male mice. <i>Brain, Behavior, and Immunity</i> , 2021 , 91, 24-47	16.6	26
80	Distinct, dosage-sensitive requirements for the autism-associated factor CHD8 during cortical development. <i>Molecular Autism</i> , 2021 , 12, 16	6.5	4
79	The zinc finger/RING domain protein Unkempt regulates cognitive flexibility. <i>Scientific Reports</i> , 2021 , 11, 16299	4.9	0
78	Assessing the developmental trajectory of mouse models of neurodevelopmental disorders: Social and communication deficits in mice with Neurexin 1 deletion. <i>Genes, Brain and Behavior</i> , 2020 , 19, e12630	2.6	8
77	Chronic stress induces significant gene expression changes in the prefrontal cortex alongside alterations in adult hippocampal neurogenesis. <i>Brain Communications</i> , 2020 , 2, fcaa153	4.5	6
76	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. <i>Translational Psychiatry</i> , 2020 , 10, 325	8.6	20
75	PKG1 β oxidation negatively regulates food seeking behaviour and reward. <i>Redox Biology</i> , 2019 , 21, 101077	7.3	4
74	Repeated lipopolysaccharide exposure modifies immune and sickness behaviour response in an animal model of chronic inflammation. <i>Journal of Psychopharmacology</i> , 2018 , 32, 236-247	4.6	8
73	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. <i>Cerebral Cortex</i> , 2018 , 28, 2192-2206	5.1	65
72	Sox14 Is Required for a Specific Subset of Cerebello-Olivary Projections. <i>Journal of Neuroscience</i> , 2018 , 38, 9539-9550	6.6	17
71	Advanced paternal age effects in neurodevelopmental disorders-review of potential underlying mechanisms. <i>Translational Psychiatry</i> , 2017 , 7, e1019	8.6	64
70	Genetic polymorphisms and their association with brain and behavioural measures in heterogeneous stock mice. <i>Scientific Reports</i> , 2017 , 7, 41204	4.9	1
69	Associations of the Intellectual Disability Gene MYT1L with Helix-Loop-Helix Gene Expression, Hippocampus Volume and Hippocampus Activation During Memory Retrieval. <i>Neuropsychopharmacology</i> , 2017 , 42, 2516-2526	8.7	12
68	Paternal Age Alters Social Development in Offspring. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2017 , 56, 383-390	7.2	16
67	Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. <i>Neuron</i> , 2017 , 95, 639-655.e10	13.9	146

66	Brain specific Lamellipodin knockout results in hyperactivity and increased anxiety of mice. <i>Scientific Reports</i> , 2017 , 7, 5365	4.9	1
65	Cerebellar Vermis and Midbrain Hypoplasia Upon Conditional Deletion of from the Embryonic Mid-Hindbrain Region. <i>Frontiers in Neuroanatomy</i> , 2017 , 11, 86	3.6	4
64	The chromatin remodeling factor CHD7 controls cerebellar development by regulating reelin expression. <i>Journal of Clinical Investigation</i> , 2017 , 127, 874-887	15.9	40
63	Mapping of a FEB3 homologous febrile seizure locus on mouse chromosome 2 containing candidate genes Scn1a and Scn3a. <i>European Journal of Neuroscience</i> , 2016 , 44, 2950-2957	3.5	2
62	Age-associated changes in DNA methylation across multiple tissues in an inbred mouse model. <i>Mechanisms of Ageing and Development</i> , 2016 , 154, 20-3	5.6	27
61	Transcription factors FOXA1 and FOXA2 maintain dopaminergic neuronal properties and control feeding behavior in adult mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E4929-38	11.5	42
60	Targeting Glia with N-Acetylcysteine Modulates Brain Glutamate and Behaviors Relevant to Neurodevelopmental Disorders in C57BL/6J Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 343	3.5	24
59	Genetic targeting of NRXN2 in mice unveils role in excitatory cortical synapse function and social behaviors. <i>Frontiers in Synaptic Neuroscience</i> , 2015 , 7, 3	3.5	47
58	Rasgrf2 controls noradrenergic involvement in the acute and subchronic effects of alcohol in the brain. <i>Psychopharmacology</i> , 2014 , 231, 4199-209	4.7	9
57	Effects of antidepressant drug exposure on gene expression in the developing cerebral cortex. <i>Synapse</i> , 2014 , 68, 209-20	2.4	7
56	Cross-region reduction in 5-hydroxymethylcytosine in Alzheimer's disease brain. <i>Neurobiology of Aging</i> , 2014 , 35, 1850-4	5.6	96
55	Effect of chronic valproic Acid treatment on hepatic gene expression profile in wfs1 knockout mouse. <i>PPAR Research</i> , 2014 , 2014, 349525	4.3	7
54	Rasgrf2 controls dopaminergic adaptations to alcohol in mice. <i>Brain Research Bulletin</i> , 2014 , 109, 143-503.9	3.9	6
53	Modulation of adult hippocampal neurogenesis by early-life environmental challenges triggering immune activation. <i>Neural Plasticity</i> , 2014 , 2014, 194396	3.3	31
52	Transcriptomic changes in the frontal cortex associated with paternal age. <i>Molecular Autism</i> , 2014 , 5, 24	6.5	8
51	CaMKII autophosphorylation controls the establishment of alcohol-induced conditioned place preference in mice. <i>Behavioural Brain Research</i> , 2013 , 252, 72-6	3.4	30
50	CaMKII autophosphorylation controls the establishment of alcohol drinking behavior. <i>Neuropsychopharmacology</i> , 2013 , 38, 1636-47	8.7	56
49	Silencing of the WFS1 gene in HEK cells induces pathways related to neurodegeneration and mitochondrial damage. <i>Physiological Genomics</i> , 2013 , 45, 182-90	3.6	14

48	Peripheral blood RNA gene expression profiling in patients with bacterial meningitis. <i>Frontiers in Neuroscience</i> , 2013 , 7, 33	5.1	30
47	Altered social behaviours in neurexin 1 knockout mice resemble core symptoms in neurodevelopmental disorders. <i>PLoS ONE</i> , 2013 , 8, e67114	3.7	114
46	Oligomeric amyloid- β peptide affects the expression of genes involved in steroid and lipid metabolism in primary neurons. <i>Neurochemistry International</i> , 2012 , 61, 321-33	4.4	15
45	Genetic variation in hippocampal microRNA expression differences in C57BL/6 J X DBA/2 J (BXD) recombinant inbred mouse strains. <i>BMC Genomics</i> , 2012 , 13, 476	4.5	16
44	DNA methylation at the Igf2/H19 imprinting control region is associated with cerebellum mass in outbred mice. <i>Molecular Brain</i> , 2012 , 5, 42	4.5	12
43	Depression-Related Behavioral Tests. <i>Current Protocols in Mouse Biology</i> , 2012 , 2, 119-27	1.1	54
42	Copy number variations in neurodevelopmental disorders. <i>Progress in Neurobiology</i> , 2012 , 99, 81-91	10.9	129
41	Current status and future prospects for epigenetic psychopharmacology. <i>Epigenetics</i> , 2012 , 7, 20-8	5.7	69
40	Maternal separation is associated with strain-specific responses to stress and epigenetic alterations to Nr3c1, Avp, and Nr4a1 in mouse. <i>Brain and Behavior</i> , 2012 , 2, 455-67	3.4	105
39	Reduced anxiety and depression-like behaviours in the circadian period mutant mouse afterhours. <i>PLoS ONE</i> , 2012 , 7, e38263	3.7	45
38	CaMKII autophosphorylation controls exploratory activity to threatening novel stimuli. <i>Neuropharmacology</i> , 2011 , 61, 1424-31	5.5	27
37	Peripheral blood RNA expression profiling in illicit methcathinone users reveals effect on immune system. <i>Frontiers in Genetics</i> , 2011 , 2, 42	4.5	2
36	Antidepressants and the resilience to early-life stress in inbred mouse strains. <i>Pharmacogenetics and Genomics</i> , 2011 , 21, 779-89	1.9	25
35	Drugs and addiction: an introduction to epigenetics. <i>Addiction</i> , 2011 , 106, 480-9	4.6	104
34	Transcriptomic profiles of Wnt3a and insulin in primary cultured rat cortical neurones. <i>Journal of Neurochemistry</i> , 2011 , 118, 512-20	6	6
33	Cannabis use in young people: the risk for schizophrenia. <i>Neuroscience and Biobehavioral Reviews</i> , 2011 , 35, 1779-87	9	122
32	Hypothalamic gene expression profile indicates a reduction in G protein signaling in the Wfs1 mutant mice. <i>Physiological Genomics</i> , 2011 , 43, 1351-8	3.6	5
31	Behavioural battery testing: evaluation and behavioural outcomes in 8 inbred mouse strains. <i>Physiology and Behavior</i> , 2010 , 99, 301-16	3.5	77

30	To What Extent is Blood a Reasonable Surrogate for Brain in Gene Expression Studies: Estimation from Mouse Hippocampus and Spleen. <i>Frontiers in Neuroscience</i> , 2009 , 3, 54	5.1	13
29	Assessing individual differences in genome-wide gene expression in human whole blood: reliability over four hours and stability over 10 months. <i>Twin Research and Human Genetics</i> , 2009 , 12, 372-80	2.2	4
28	Drug discrimination and neurochemical studies in alpha7 null mutant mice: tests for the role of nicotinic alpha7 receptors in dopamine release. <i>Psychopharmacology</i> , 2009 , 203, 399-410	4.7	32
27	A method for gender determination in newborn dark pigmented mice. <i>Lab Animal</i> , 2009 , 38, 35-8	0.4	32
26	Advancing paternal age is associated with deficits in social and exploratory behaviors in the offspring: a mouse model. <i>PLoS ONE</i> , 2009 , 4, e8456	3.7	65
25	Gene expression profiling reveals upregulation of Tlr4 receptors in Cckb receptor deficient mice. <i>Behavioural Brain Research</i> , 2008 , 188, 62-70	3.4	20
24	Genetics of behavioural domains across the neuropsychiatric spectrum; of mice and men. <i>Molecular Psychiatry</i> , 2007 , 12, 324-30	15.1	103
23	Quantitative traits for the tail suspension test: automation, optimization, and BXD RI mapping. <i>Mammalian Genome</i> , 2007 , 18, 482-91	3.2	23
22	Impaired performance of alpha7 nicotinic receptor knockout mice in the five-choice serial reaction time task. <i>Psychopharmacology</i> , 2006 , 189, 211-23	4.7	132
21	Performance deficit of alpha7 nicotinic receptor knockout mice in a delayed matching-to-place task suggests a mild impairment of working/episodic-like memory. <i>Genes, Brain and Behavior</i> , 2006 , 5, 433-40	3.6	86
20	Genotyping DNA pools on microarrays: tackling the QTL problem of large samples and large numbers of SNPs. <i>BMC Genomics</i> , 2005 , 6, 52	4.5	55
19	Assessing reliability, heritability and general cognitive ability in a battery of cognitive tasks for laboratory mice. <i>Behavior Genetics</i> , 2005 , 35, 675-92	3.2	105
18	Hippocampal gene expression profiling across eight mouse inbred strains: towards understanding the molecular basis for behaviour. <i>European Journal of Neuroscience</i> , 2004 , 19, 2576-82	3.5	73
17	Genotyping pooled DNA on microarrays: a systematic genome screen of thousands of SNPs in large samples to detect QTLs for complex traits. <i>Behavior Genetics</i> , 2004 , 34, 549-55	3.2	83
16	Behavioral characterization of wild derived male mice (<i>Mus musculus musculus</i>) of the PWD/Ph inbred strain: high exploration compared to C57BL/6J. <i>Behavior Genetics</i> , 2004 , 34, 621-30	3.2	21
15	Are lorazepam-induced deficits in attention similar to those resulting from aging?. <i>Journal of Clinical Psychopharmacology</i> , 2001 , 21, 126-30	1.7	14
14	The effect of treatment regimen on the development of tolerance to the sedative and anxiolytic effects of diazepam. <i>Psychopharmacology</i> , 1999 , 145, 251-9	4.7	52
13	Dizocilpine does not prevent the development of tolerance to the anxiolytic effects of diazepam in rats. <i>Brain Research</i> , 1999 , 815, 431-4	3.7	19

12	Factor analysis shows that female rat behaviour is characterized primarily by activity, male rats are driven by sex and anxiety. <i>Pharmacology Biochemistry and Behavior</i> , 1999 , 64, 731-8	3.9	185
11	Beneficial effects of glycine (bioglycin) on memory and attention in young and middle-aged adults. <i>Journal of Clinical Psychopharmacology</i> , 1999 , 19, 506-12	1.7	37
10	The influence of alcoholism and cirrhosis on benzodiazepine receptor function. <i>Pharmacology Biochemistry and Behavior</i> , 1998 , 59, 949-54	3.9	1
9	Decreased 5-HT _{1A} and increased 5-HT _{2A} receptor binding after chronic corticosterone associated with a behavioural indication of depression but not anxiety. <i>Psychoneuroendocrinology</i> , 1997 , 22, 477-91 ⁵		93
8	Evidence that the median raphtucleus--dorsal hippocampal pathway mediates diazepam withdrawal-induced anxiety. <i>Psychopharmacology</i> , 1997 , 130, 228-34	4.7	51
7	The influence of open arm ledges and maze experience in the elevated plus-maze. <i>Pharmacology Biochemistry and Behavior</i> , 1996 , 54, 31-40	3.9	246
6	Evidence against oppositional and pharmacokinetic mechanisms of tolerance to diazepam's sedative effects. <i>Brain Research</i> , 1996 , 734, 236-242	3.7	24
5	Noise stress and the development of benzodiazepine dependence in the rat. <i>Anxiety</i> , 1994 , 1, 8-12		13
4	Dizocilpine prevents the development of tolerance to the sedative effects of diazepam in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1994 , 47, 823-6	3.9	53
3	Diazepam withdrawal increases [³ H]-5-HT release from rat amygdaloid slices. <i>Pharmacology Biochemistry and Behavior</i> , 1994 , 49, 359-62	3.9	14
2	Beware the builders: construction noise changes [¹⁴ C]GABA release and uptake from amygdaloid and hippocampal slices in the rat. <i>Neuropharmacology</i> , 1993 , 32, 1333-6	5.5	14
1	Non-monotonic regulation of gene expression, neural progenitor fate and brain growth by the chromatin remodeller CHD8		1