

Jacqueline Crawley

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119
papers

19,848
citations

70
h-index

122
g-index

122
ext. papers

22,830
ext. citations

7.9
avg, IF

6.92
L-index

#	Paper	IF	Citations
119	Behavioral phenotypes of inbred mouse strains: implications and recommendations for molecular studies. <i>Psychopharmacology</i> , 1997 , 132, 107-24	4.7	1149
118	Behavioural phenotyping assays for mouse models of autism. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 490-502	13.5	963
117	Sociability and preference for social novelty in five inbred strains: an approach to assess autistic-like behavior in mice. <i>Genes, Brain and Behavior</i> , 2004 , 3, 287-302	3.6	933
116	Preliminary report of a simple animal behavior model for the anxiolytic effects of benzodiazepines. <i>Pharmacology Biochemistry and Behavior</i> , 1980 , 13, 167-70	3.9	930
115	Mouse behavioral tasks relevant to autism: phenotypes of 10 inbred strains. <i>Behavioural Brain Research</i> , 2007 , 176, 4-20	3.4	603
114	Autistic-like behaviour and cerebellar dysfunction in Purkinje cell Tsc1 mutant mice. <i>Nature</i> , 2012 , 488, 647-51	50.4	574
113	Automated apparatus for quantitation of social approach behaviors in mice. <i>Genes, Brain and Behavior</i> , 2004 , 3, 303-14	3.6	561
112	Exploratory behavior models of anxiety in mice. <i>Neuroscience and Biobehavioral Reviews</i> , 1985 , 9, 37-44	9	561
111	Autism-like behavioral phenotypes in BTBR T+tf/J mice. <i>Genes, Brain and Behavior</i> , 2008 , 7, 152-63	3.6	556
110	A proposed test battery and constellations of specific behavioral paradigms to investigate the behavioral phenotypes of transgenic and knockout mice. <i>Hormones and Behavior</i> , 1997 , 31, 197-211	3.7	479
109	Pain responses, anxiety and aggression in mice deficient in pre-proenkephalin. <i>Nature</i> , 1996 , 383, 535-8	50.4	436
108	Mouse behavioral assays relevant to the symptoms of autism. <i>Brain Pathology</i> , 2007 , 17, 448-59	6	430
107	Haploinsufficiency of the autism-associated Shank3 gene leads to deficits in synaptic function, social interaction, and social communication. <i>Molecular Autism</i> , 2010 , 1, 15	6.5	399
106	Social interaction and sensorimotor gating abnormalities in mice lacking Dvl1. <i>Cell</i> , 1997 , 90, 895-905	56.2	391
105	Unusual repertoire of vocalizations in the BTBR T+tf/J mouse model of autism. <i>PLoS ONE</i> , 2008 , 3, e3067	3.7	381
104	Mouse models of Tay-Sachs and Sandhoff diseases differ in neurologic phenotype and ganglioside metabolism. <i>Nature Genetics</i> , 1995 , 11, 170-6	36.3	370
103	Designing mouse behavioral tasks relevant to autistic-like behaviors. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2004 , 10, 248-58		366

102	Inbred strain differences in prepulse inhibition of the mouse startle response. <i>Psychopharmacology</i> , 1997 , 132, 169-80	4.7	337
101	Behavioral phenotyping strategies for mutant mice. <i>Neuron</i> , 2008 , 57, 809-18	13.9	337
100	Repetitive self-grooming behavior in the BTBR mouse model of autism is blocked by the mGluR5 antagonist MPEP. <i>Neuropsychopharmacology</i> , 2010 , 35, 976-89	8.7	304
99	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
98	Automated three-chambered social approach task for mice. <i>Current Protocols in Neuroscience</i> , 2011 , Chapter 8, Unit 8.26	2.7	300
97	Simple behavioral assessment of mouse olfaction. <i>Current Protocols in Neuroscience</i> , 2009 , Chapter 8, Unit 8.24	2.7	294
96	Reduced excitatory neurotransmission and mild autism-relevant phenotypes in adolescent Shank3 null mutant mice. <i>Journal of Neuroscience</i> , 2012 , 32, 6525-41	6.6	274
95	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
94	Minimal aberrant behavioral phenotypes of neuroligin-3 R451C knockin mice. <i>Autism Research</i> , 2008 , 1, 147-58	5.1	231
93	Evaluation of antidepressant-related behavioral responses in mice lacking the serotonin transporter. <i>Neuropsychopharmacology</i> , 2002 , 27, 914-23	8.7	226
92	Autism gene variant causes hyperserotonemia, serotonin receptor hypersensitivity, social impairment and repetitive behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5469-74	11.5	225
91	2007 ,		214
90	Social approach in genetically engineered mouse lines relevant to autism. <i>Genes, Brain and Behavior</i> , 2009 , 8, 129-42	3.6	191
89	Clustering autism: using neuroanatomical differences in 26 mouse models to gain insight into the heterogeneity. <i>Molecular Psychiatry</i> , 2015 , 20, 118-25	15.1	185
88	Mice lacking both subunits of lysosomal beta-hexosaminidase display gangliosidosis and mucopolysaccharidosis. <i>Nature Genetics</i> , 1996 , 14, 348-52	36.3	181
87	Negative allosteric modulation of the mGluR5 receptor reduces repetitive behaviors and rescues social deficits in mouse models of autism. <i>Science Translational Medicine</i> , 2012 , 4, 131ra51	17.5	180
86	Social approach and repetitive behavior in eleven inbred mouse strains. <i>Behavioural Brain Research</i> , 2008 , 191, 118-29	3.4	177
85	Social approach behaviors in oxytocin knockout mice: comparison of two independent lines tested in different laboratory environments. <i>Neuropeptides</i> , 2007 , 41, 145-63	3.3	170

84	Sociability and motor functions in Shank1 mutant mice. <i>Brain Research</i> , 2011 , 1380, 120-37	3.7	166
83	Drug development for neurodevelopmental disorders: lessons learned from fragile X syndrome. <i>Nature Reviews Drug Discovery</i> , 2018 , 17, 280-299	64.1	160
82	Communication impairments in mice lacking Shank1: reduced levels of ultrasonic vocalizations and scent marking behavior. <i>PLoS ONE</i> , 2011 , 6, e20631	3.7	157
81	Preclinical research in Rett syndrome: setting the foundation for translational success. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 733-45	4.1	154
80	Development of a mouse test for repetitive, restricted behaviors: relevance to autism. <i>Behavioural Brain Research</i> , 2008 , 188, 178-94	3.4	152
79	Translational animal models of autism and neurodevelopmental disorders. <i>Dialogues in Clinical Neuroscience</i> , 2012 , 14, 293-305	5.7	145
78	Neurogranin null mutant mice display performance deficits on spatial learning tasks with anxiety related components. <i>Hippocampus</i> , 2001 , 11, 763-75	3.5	141
77	Modeling fragile X syndrome in the Fmr1 knockout mouse. <i>Intractable and Rare Diseases Research</i> , 2014 , 3, 118-33	1.4	140
76	GABAB Receptor Agonist R-Baclofen Reverses Social Deficits and Reduces Repetitive Behavior in Two Mouse Models of Autism. <i>Neuropsychopharmacology</i> , 2015 , 40, 2228-39	8.7	139
75	Behavioral abnormalities and circuit defects in the basal ganglia of a mouse model of 16p11.2 deletion syndrome. <i>Cell Reports</i> , 2014 , 7, 1077-1092	10.6	137
74	Germline Chd8 haploinsufficiency alters brain development in mouse. <i>Nature Neuroscience</i> , 2017 , 20, 1062-1073	25.5	136
73	The role of galanin in feeding behavior. <i>Neuropeptides</i> , 1999 , 33, 369-75	3.3	132
72	The female urine sniffing test: a novel approach for assessing reward-seeking behavior in rodents. <i>Biological Psychiatry</i> , 2010 , 67, 864-71	7.9	130
71	Reduced scent marking and ultrasonic vocalizations in the BTBR T+tf/J mouse model of autism. <i>Genes, Brain and Behavior</i> , 2011 , 10, 35-43	3.6	125
70	Autism-relevant social abnormalities and cognitive deficits in engrailed-2 knockout mice. <i>PLoS ONE</i> , 2012 , 7, e40914	3.7	115
69	Low stress reactivity and neuroendocrine factors in the BTBR T+tf/J mouse model of autism. <i>Neuroscience</i> , 2010 , 171, 1197-208	3.9	109
68	Dysbindin-1 modulates prefrontal cortical activity and schizophrenia-like behaviors via dopamine/D2 pathways. <i>Molecular Psychiatry</i> , 2012 , 17, 85-98	15.1	108
67	Social deficits in BTBR T+tf/J mice are unchanged by cross-fostering with C57BL/6J mothers. <i>International Journal of Developmental Neuroscience</i> , 2007 , 25, 515-21	2.7	108

66	Mouse models of autism spectrum disorders: the challenge for behavioral genetics. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2006 , 142C, 40-51	3.1	104
65	Assessing behavioural and cognitive domains of autism spectrum disorders in rodents: current status and future perspectives. <i>Psychopharmacology</i> , 2014 , 231, 1125-46	4.7	95
64	Social transmission of food preference in mice: Methodology and application to galanin-overexpressing transgenic mice.. <i>Behavioral Neuroscience</i> , 2003 , 117, 21-31	2.1	94
63	Social approach behaviors are similar on conventional versus reverse lighting cycles, and in replications across cohorts, in BTBR T+ tf/J, C57BL/6J, and vasopressin receptor 1B mutant mice. <i>Frontiers in Behavioral Neuroscience</i> , 2007 , 1, 1	3.5	93
62	Behavioral phenotypes of genetic mouse models of autism. <i>Genes, Brain and Behavior</i> , 2016 , 15, 7-26	3.6	91
61	Long-term exposure to intranasal oxytocin in a mouse autism model. <i>Translational Psychiatry</i> , 2014 , 4, e480	8.6	90
60	Postnatal lesion evidence against a primary role for the corpus callosum in mouse sociability. <i>European Journal of Neuroscience</i> , 2009 , 29, 1663-77	3.5	90
59	Galanin receptor subtype 2 (GalR2) null mutant mice display an anxiogenic-like phenotype specific to the elevated plus-maze. <i>Pharmacology Biochemistry and Behavior</i> , 2007 , 86, 8-20	3.9	90
58	Developmental delays and reduced pup ultrasonic vocalizations but normal sociability in mice lacking the postsynaptic cell adhesion protein neuroligin2. <i>Behavioural Brain Research</i> , 2013 , 251, 50-64	3.4	88
57	Subtype-selective cholecystokinin receptor antagonists block cholecystokinin modulation of dopamine-mediated behaviors in the rat mesolimbic pathway. <i>Journal of Neuroscience</i> , 1992 , 12, 3380-91	6.6	88
56	AMPAKINE enhancement of social interaction in the BTBR mouse model of autism. <i>Neuropharmacology</i> , 2013 , 64, 268-82	5.5	85
55	Social deficits, stereotypy and early emergence of repetitive behavior in the C58/J inbred mouse strain. <i>Behavioural Brain Research</i> , 2010 , 208, 178-88	3.4	85
54	Genetic analysis of anxiety-related behaviors and responses to benzodiazepine-related drugs in AXB and BXA recombinant inbred mouse strains. <i>Behavior Genetics</i> , 1995 , 25, 557-68	3.2	85
53	Absence of preference for social novelty and increased grooming in integrin β knockout mice: initial studies and future directions. <i>Autism Research</i> , 2011 , 4, 57-67	5.1	80
52	Low sociability in BTBR T+tf/J mice is independent of partner strain. <i>Physiology and Behavior</i> , 2012 , 107, 649-62	3.5	75
51	Translational Mouse Models of Autism: Advancing Toward Pharmacological Therapeutics. <i>Current Topics in Behavioral Neurosciences</i> , 2016 , 28, 1-52	3.4	73
50	Impaired learning and motor behavior in heterozygous Pafah1b1 (Lis1) mutant mice. <i>Learning and Memory</i> , 1999 , 6, 521-37	2.8	73
49	Replicable in vivo physiological and behavioral phenotypes of the null mutant mouse model of autism. <i>Molecular Autism</i> , 2017 , 8, 26	6.5	70

48	Female urine-induced male mice ultrasonic vocalizations, but not scent-marking, is modulated by social experience. <i>Behavioural Brain Research</i> , 2011 , 216, 19-28	3.4	69
47	Autism and Cancer Share Risk Genes, Pathways, and Drug Targets. <i>Trends in Genetics</i> , 2016 , 32, 139-146	8.5	68
46	Behavioral and Neuroanatomical Phenotypes in Mouse Models of Autism. <i>Neurotherapeutics</i> , 2015 , 12, 521-33	6.4	66
45	Olfactory cues are sufficient to elicit social approach behaviors but not social transmission of food preference in C57BL/6J mice. <i>Behavioural Brain Research</i> , 2008 , 193, 235-42	3.4	63
44	Absence of deficits in social behaviors and ultrasonic vocalizations in later generations of mice lacking neuroligin4. <i>Genes, Brain and Behavior</i> , 2012 , 11, 928-941	3.6	61
43	16p11.2 Deletion Syndrome Mice Display Sensory and Ultrasonic Vocalization Deficits During Social Interactions. <i>Autism Research</i> , 2015 , 8, 507-21	5.1	57
42	Social transmission of food preference in mice: methodology and application to galanin-overexpressing transgenic mice. <i>Behavioral Neuroscience</i> , 2003 , 117, 21-31	2.1	50
41	Mouse models of autism: testing hypotheses about molecular mechanisms. <i>Current Topics in Behavioral Neurosciences</i> , 2011 , 7, 187-212	3.4	46
40	R-Baclofen Reverses Cognitive Deficits and Improves Social Interactions in Two Lines of 16p11.2 Deletion Mice. <i>Neuropsychopharmacology</i> , 2018 , 43, 513-524	8.7	44
39	Centrally administered cholecystokinin suppresses feeding through a peripheral-type receptor mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1991 , 257, 1076-80	4.7	43
38	Quantitative trait loci for interhemispheric commissure development and social behaviors in the BTBR T+ tf/J mouse model of autism. <i>PLoS ONE</i> , 2013 , 8, e61829	3.7	42
37	Male mice emit distinct ultrasonic vocalizations when the female leaves the social interaction arena. <i>Frontiers in Behavioral Neuroscience</i> , 2013 , 7, 159	3.5	42
36	Galanin: neurobiologic mechanisms and therapeutic potential for Alzheimer's disease. <i>CNS Neuroscience & Therapeutics</i> , 2001 , 7, 445-70		39
35	16p11.2 Deletion mice display cognitive deficits in touchscreen learning and novelty recognition tasks. <i>Learning and Memory</i> , 2015 , 22, 622-32	2.8	38
34	Engrailed-2 (En2) deletion produces multiple neurodevelopmental defects in monoamine systems, forebrain structures and neurogenesis and behavior. <i>Human Molecular Genetics</i> , 2015 , 24, 5805-27	5.6	34
33	Genetic background modulates phenotypes of serotonin transporter Ala56 knock-in mice. <i>Molecular Autism</i> , 2013 , 4, 35	6.5	33
32	Rigor and reproducibility in rodent behavioral research. <i>Neurobiology of Learning and Memory</i> , 2019 , 165, 106780	3.1	33
31	Cognitive abilities on transitive inference using a novel touchscreen technology for mice. <i>Cerebral Cortex</i> , 2015 , 25, 1133-42	5.1	32

30	Evaluation of the neuroactive steroid ganaxolone on social and repetitive behaviors in the BTBR mouse model of autism. <i>Psychopharmacology</i> , 2016 , 233, 309-23	4.7	32
29	Hippocampal Transcriptomic and Proteomic Alterations in the BTBR Mouse Model of Autism Spectrum Disorder. <i>Frontiers in Physiology</i> , 2015 , 6, 324	4.6	32
28	Galanin impairs cognitive abilities in rodents: relevance to Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 1836-41	10.3	32
27	Behavioral Phenotyping Assays for Genetic Mouse Models of Neurodevelopmental, Neurodegenerative, and Psychiatric Disorders. <i>Annual Review of Animal Biosciences</i> , 2017 , 5, 371-389	13.7	30
26	Behavioral assessment of NIH Swiss mice acutely intoxicated with tetramethylenedisulfotetramine. <i>Neurotoxicology and Teratology</i> , 2015 , 47, 36-45	3.9	30
25	SynDIG4/Prnt1 Is Required for Excitatory Synapse Development and Plasticity Underlying Cognitive Function. <i>Cell Reports</i> , 2018 , 22, 2246-2253	10.6	28
24	Neuregulin-2 ablation results in dopamine dysregulation and severe behavioral phenotypes relevant to psychiatric disorders. <i>Molecular Psychiatry</i> , 2018 , 23, 1233-1243	15.1	28
23	The promising trajectory of autism therapeutics discovery. <i>Drug Discovery Today</i> , 2014 , 19, 838-44	8.8	27
22	Autism-specific maternal autoantibodies produce behavioral abnormalities in an endogenous antigen-driven mouse model of autism. <i>Molecular Psychiatry</i> , 2020 , 25, 2994-3009	15.1	26
21	Galanin peptide levels in hippocampus and cortex of galanin-overexpressing transgenic mice evaluated for cognitive performance. <i>Neuropeptides</i> , 2002 , 36, 413-26	3.3	24
20	Early motor phenotype detection in a female mouse model of Rett syndrome is improved by cross-fostering. <i>Human Molecular Genetics</i> , 2017 , 26, 1839-1854	5.6	23
19	Coexistence of neuropeptides and "classical" neurotransmitters. Functional interactions between galanin and acetylcholine. <i>Annals of the New York Academy of Sciences</i> , 1990 , 579, 233-45	6.5	23
18	Chronic desipramine treatment rescues depression-related, social and cognitive deficits in Engrailed-2 knockout mice. <i>Genes, Brain and Behavior</i> , 2014 , 13, 286-298	3.6	22
17	In tribute to Bob Blanchard: Divergent behavioral phenotypes of 16p11.2 deletion mice reared in same-genotype versus mixed-genotype cages. <i>Physiology and Behavior</i> , 2015 , 146, 16-27	3.5	21
16	Modulation of mesolimbic dopaminergic behaviors by cholecystokinin. <i>Annals of the New York Academy of Sciences</i> , 1988 , 537, 380-96	6.5	18
15	Lack of effect of chronic morphine treatment and naloxone-precipitated withdrawal on tyrosine hydroxylase, galanin, and neuropeptide Y mRNA levels in the rat locus coeruleus. <i>Synapse</i> , 1995 , 19, 197-205	2.4	17
14	Hypothesis-driven investigations of diverse pharmacological targets in two mouse models of autism. <i>Autism Research</i> , 2019 , 12, 401-421	5.1	16
13	Normal Performance of Fmr1 Mice on a Touchscreen Delayed Nonmatching to Position Working Memory Task. <i>ENeuro</i> , 2016 , 3,	3.9	13

12	Touchscreen learning deficits in Ube3a, Ts65Dn and Mecp2 mouse models of neurodevelopmental disorders with intellectual disabilities. <i>Genes, Brain and Behavior</i> , 2018 , 17, e12452	3.6	12
11	3D visualization of the regional differences. <i>Molecular Psychiatry</i> , 2015 , 20, 1	15.1	12
10	Transcription Factor 2I Regulates Neuronal Development via TRPC3 in 7q11.23 Disorder Models. <i>Molecular Neurobiology</i> , 2019 , 56, 3313-3325	6.2	10
9	Mesolimbic dopaminergic mechanisms underlying individual differences in sugar consumption and amphetamine hyperlocomotion in Wistar rats. <i>European Journal of Neuroscience</i> , 1998 , 10, 1895-902	3.5	10
8	Galanin impairs cognitive abilities in rodents: relevance to Alzheimer's disease. <i>Exs</i> , 2010 , 102, 133-41		8
7	Behavioral Evaluation of Angelman Syndrome Mice at Older Ages. <i>Neuroscience</i> , 2020 , 445, 163-171	3.9	8
6	The CCK-B antagonist CI-988 increases dopamine levels in microdialysate from the rat nucleus accumbens via a tetrodotoxin- and calcium-independent mechanism. <i>Journal of Neurochemistry</i> , 1995 , 65, 208-17	6	6
5	Curiosity as an approach to ethoexperimental analysis: Behavioral neuroscience as seen by students and colleagues of Bob Blanchard. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 76, 415-422	9	5
4	Spaced training improves learning in Ts65Dn and Ube3a mouse models of intellectual disabilities. <i>Translational Psychiatry</i> , 2019 , 9, 166	8.6	5
3	Evaluation of a TrkB agonist on spatial and motor learning in the mouse model of Angelman syndrome. <i>Learning and Memory</i> , 2020 , 27, 346-354	2.8	2
2	Sexually dimorphic neuroanatomical differences relate to ASD-relevant behavioral outcomes in a maternal autoantibody mouse model. <i>Molecular Psychiatry</i> , 2021 ,	15.1	2
1	Autism: Animal Models1-22		1