Jacqueline Crawley

List of Publications by Year
in descending order

119 papers	24,670 citations	9786 73 h-index	18130 120 g-index
122 all docs	122 docs citations	122 times ranked	19318 citing authors

#	Article	IF	Citations
1	Behavioral phenotypes of inbred mouse strains: implications and recommendations for molecular studies. Psychopharmacology, 1997, 132, 107-124.	3.1	1,283
2	Behavioural phenotyping assays for mouse models of autism. Nature Reviews Neuroscience, 2010, 11, 490-502.	10.2	1,248
3	Sociability and preference for social novelty in five inbred strains: an approach to assess autisticâ€like behavior in mice. Genes, Brain and Behavior, 2004, 3, 287-302.	2.2	1,241
4	Preliminary report of a simple animal behavior model for the anxiolytic effects of benzodiazepines. Pharmacology Biochemistry and Behavior, 1980, 13, 167-170.	2.9	1,131
5	Autistic-like behaviour and cerebellar dysfunction in Purkinje cell Tsc1 mutant mice. Nature, 2012, 488, 647-651.	27.8	756
6	Mouse behavioral tasks relevant to autism: Phenotypes of 10 inbred strains. Behavioural Brain Research, 2007, 176, 4-20.	2.2	714
7	Autismâ€like behavioral phenotypes in BTBR T+tf/J mice. Genes, Brain and Behavior, 2008, 7, 152-163.	2.2	709
8	Automated apparatus for quantitation of social approach behaviors in mice. Genes, Brain and Behavior, 2004, 3, 303-314.	2.2	680
9	Exploratory behavior models of anxiety in mice. Neuroscience and Biobehavioral Reviews, 1985, 9, 37-44.	6.1	653
10	A Proposed Test Battery and Constellations of Specific Behavioral Paradigms to Investigate the Behavioral Phenotypes of Transgenic and Knockout Mice. Hormones and Behavior, 1997, 31, 197-211.	2.1	522
11	Haploinsufficiency of the autism-associated Shank3 gene leads to deficits in synaptic function, social interaction, and social communication. Molecular Autism, 2010, 1, 15.	4.9	521
12	Mouse Behavioral Assays Relevant to the Symptoms of Autism*. Brain Pathology, 2007, 17, 448-459.	4.1	511
13	Unusual Repertoire of Vocalizations in the BTBR T+tf/J Mouse Model of Autism. PLoS ONE, 2008, 3, e3067.	2.5	492
14	Pain responses, anxiety and aggression in mice deficient in pre-proenkephalin. Nature, 1996, 383, 535-538.	27.8	482
15	Social Interaction and Sensorimotor Gating Abnormalities in Mice Lacking Dvl1. Cell, 1997, 90, 895-905.	28.9	440
16	Designing mouse behavioral tasks relevant to autistic-like behaviors. Mental Retardation and Developmental Disabilities Research Reviews, 2004, 10, 248-258.	3.6	439
17	Automated Threeâ€Chambered Social Approach Task for Mice. Current Protocols in Neuroscience, 2011, 56, Unit 8.26.	2.6	418
18	Ultrasonic vocalizations: A tool for behavioural phenotyping of mouse models of neurodevelopmental disorders. Neuroscience and Biobehavioral Reviews, 2009, 33, 508-515.	6.1	413

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19	Mouse models of Tayâ€“Sachs and Sandhoff diseases differ in neurologic phenotype and ganglioside metabolism. Nature Genetics, 1995, 11, 170-176.	21.4	411
20	Simple Behavioral Assessment of Mouse Olfaction. Current Protocols in Neuroscience, 2009, 48, Unit 8.24.	2.6	401
21	Behavioral Phenotyping Strategies for Mutant Mice. Neuron, 2008, 57, 809-818.	8.1	393
22	Repetitive Self-Grooming Behavior in the BTBR Mouse Model of Autism is Blocked by the mGluR5 Antagonist MPEP. Neuropsychopharmacology, 2010, 35, 976-989.	5.4	374
23	Inbred strain differences in prepulse inhibition of the mouse startle response. Psychopharmacology, 1997, 132, 169-180.	3.1	359
24	Reduced Excitatory Neurotransmission and Mild Autism-Relevant Phenotypes in AdolescentShank3Null Mutant Mice. Journal of Neuroscience, 2012, 32, 6525-6541.	3.6	342
25	Unusual repertoire of vocalizations in adult BTBR T+tf/J mice during three types of social encounters. Genes, Brain and Behavior, 2011, 10, 44-56.	2.2	316
26	Autism gene variant causes hyperserotonemia, serotonin receptor hypersensitivity, social impairment and repetitive behavior. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5469-5474.	7.1	278
27	Minimal aberrant behavioral phenotypes of neuroliginâ€3 R451C knockin mice. Autism Research, 2008, 1, 147-158.	3.8	263
28	Clustering autism: using neuroanatomical differences in 26 mouse models to gain insight into the heterogeneity. Molecular Psychiatry, 2015, 20, 118-125.	7.9	257
29	Evaluation of Antidepressant-related Behavioral Responses in Mice Lacking the Serotonin Transporter. Neuropsychopharmacology, 2002, 27, 914-923.	5.4	256
30	Drug development for neurodevelopmental disorders: lessons learned from fragile X syndrome. Nature Reviews Drug Discovery, 2018, 17, 280-299.	46.4	247
31	Negative Allosteric Modulation of the mGluR5 Receptor Reduces Repetitive Behaviors and Rescues Social Deficits in Mouse Models of Autism. Science Translational Medicine, 2012, 4, 131ra51.	12.4	238
32	Social approach in genetically engineered mouse lines relevant to autism. Genes, Brain and Behavior, 2009, 8, 129-142.	2.2	225
33	Social approach and repetitive behavior in eleven inbred mouse strains. Behavioural Brain Research, 2008, 191, 118-129.	2.2	215
34	Germline Chd8 haploinsufficiency alters brain development in mouse. Nature Neuroscience, 2017, 20, 1062-1073.	14.8	210
35	Behavioral Abnormalities and Circuit Defects in the Basal Ganglia of a Mouse Model of 16p11.2 Deletion Syndrome. Cell Reports, 2014, 7, 1077-1092.	6.4	208
36	Sociability and motor functions in Shank1 mutant mice. Brain Research, 2011, 1380, 120-137.	2.2	206

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37	Social approach behaviors in oxytocin knockout mice: Comparison of two independent lines tested in different laboratory environments. Neuropeptides, 2007, 41, 145-163.	2.2	204
38	Communication Impairments in Mice Lacking Shank1: Reduced Levels of Ultrasonic Vocalizations and Scent Marking Behavior. PLoS ONE, 2011, 6, e20631.	2.5	196
39	Translational animal models of autism and neurodevelopmental disorders. Dialogues in Clinical Neuroscience, 2012, 14, 293-305.	3.7	195
40	Mice lacking both subunits of lysosomal Î²â€“hexosaminidase display gangliosidosis and mucopolysaccharidosis. Nature Genetics, 1996, 14, 348-352.	21.4	194
41	Development of a mouse test for repetitive, restricted behaviors: Relevance to autism. Behavioural Brain Research, 2008, 188, 178-194.	2.2	192
42	GABAB Receptor Agonist R-Baclofen Reverses Social Deficits and Reduces Repetitive Behavior in Two Mouse Models of Autism. Neuropsychopharmacology, 2015, 40, 2228-2239.	5.4	187
43	Preclinical research in Rett syndrome: setting the foundation for translational success. DMM Disease Models and Mechanisms, 2012, 5, 733-745.	2.4	183
44	Modeling fragile X syndrome in the <i>Fmr1</i> knockout mouse. Intractable and Rare Diseases Research, 2014, 3, 118-133.	0.9	183
45	The Female Urine Sniffing Test: A Novel Approach for Assessing Reward-Seeking Behavior in Rodents. Biological Psychiatry, 2010, 67, 864-871.	1.3	174
46	Reduced scent marking and ultrasonic vocalizations in the BTBR T+tf/J mouse model of autism. Genes, Brain and Behavior, 2011, 10, 35-43.	2.2	166
47	Neurogranin null mutant mice display performance deficits on spatial learning tasks with anxiety related components. Hippocampus, 2001, 11, 763-775.	1.9	159
48	Autism-Relevant Social Abnormalities and Cognitive Deficits in Engrailed-2 Knockout Mice. PLoS ONE, 2012, 7, e40914.	2.5	143
49	The role of galanin in feeding behavior. Neuropeptides, 1999, 33, 369-375.	2.2	140
50	Behavioral phenotypes of genetic mouse models of autism. Genes, Brain and Behavior, 2016, 15, 7-26.	2.2	137
51	Replicable in vivo physiological and behavioral phenotypes of the Shank3B null mutant mouse model of autism. Molecular Autism, 2017, 8, 26.	4.9	135
52	Dysbindin-1 modulates prefrontal cortical activity and schizophrenia-like behaviors via dopamine/D2 pathways. Molecular Psychiatry, 2012, 17, 85-98.	7.9	128
53	Low stress reactivity and neuroendocrine factors in the BTBR T+tf/J mouse model of autism. Neuroscience, 2010, 171, 1197-1208.	2.3	125
54	Social deficits in BTBR T + tf/J mice are unchanged by crossâ€fostering with C57BL/6J mothers. International Journal of Developmental Neuroscience, 2007, 25, 515-521.	1.6	124

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55	Autism and Cancer Share Risk Genes, Pathways, and Drug Targets. Trends in Genetics, 2016, 32, 139-146.	6.7	123
56	Mouse models of autism spectrum disorders: The challenge for behavioral genetics. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2006, 142C, 40-51.	1.6	116
57	Long-term exposure to intranasal oxytocin in a mouse autism model. Translational Psychiatry, 2014, 4, e480-e480.	4.8	112
58	Assessing behavioural and cognitive domains of autism spectrum disorders in rodents: current status and future perspectives. Psychopharmacology, 2014, 231, 1125-1146.	3.1	111
59	Developmental delays and reduced pup ultrasonic vocalizations but normal sociability in mice lacking the postsynaptic cell adhesion protein neuroligin2. Behavioural Brain Research, 2013, 251, 50-64.	2.2	110
60	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. Frontiers in Behavioral Neuroscience, 2007, 1, 1.	2.0	109
61	Behavioral and Neuroanatomical Phenotypes in Mouse Models of Autism. Neurotherapeutics, 2015, 12, 521-533.	4.4	108
62	Social deficits, stereotypy and early emergence of repetitive behavior in the C58/J inbred mouse strain. Behavioural Brain Research, 2010, 208, 178-188.	2.2	107
63	Postnatal lesion evidence against a primary role for the corpus callosum in mouse sociability. European Journal of Neuroscience, 2009, 29, 1663-1677.	2.6	104
64	Galanin receptor subtype 2 (GalR2) null mutant mice display an anxiogenic-like phenotype specific to the elevated plus-maze. Pharmacology Biochemistry and Behavior, 2007, 86, 8-20.	2.9	100
65	Low sociability in BTBR T+tf/J mice is independent of partner strain. Physiology and Behavior, 2012, 107, 649-662.	2.1	100
66	Translational Mouse Models of Autism: Advancing Toward Pharmacological Therapeutics. Current Topics in Behavioral Neurosciences, 2015, 28, 1-52.	1.7	100
67	Social transmission of food preference in mice: Methodology and application to galanin-overexpressing transgenic mice.. Behavioral Neuroscience, 2003, 117, 21-31.	1.2	99
68	AMPAKINE enhancement of social interaction in the BTBR mouse model of autism. Neuropharmacology, 2013, 64, 268-282.	4.1	98
69	Absence of preference for social novelty and increased grooming in integrin Î²3 knockout mice: Initial studies and future directions. Autism Research, 2011, 4, 57-67.	3.8	97
70	Subtype-selective cholecystokinin receptor antagonists block cholecystokinin modulation of dopamine-mediated behaviors in the rat mesolimbic pathway. Journal of Neuroscience, 1992, 12, 3380-3391.	3.6	94
71	Genetic analysis of anxiety-related behaviors and responses to benzodiazepine-related drugs in AXB and BXA recombinant inbred mouse strains. Behavior Genetics, 1995, 25, 557-568.	2.1	90
72	Female urine-induced male mice ultrasonic vocalizations, but not scent-marking, is modulated by social experience. Behavioural Brain Research, 2011, 216, 19-28.	2.2	85

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73	Impaired Learning and Motor Behavior in Heterozygous Pafah1b1 (Lis1) Mutant Mice. Learning and Memory, 1999, 6, 521-537.	1.3	84
74	16p11.2 Deletion Syndrome Mice Display Sensory and Ultrasonic Vocalization Deficits During Social Interactions. Autism Research, 2015, 8, 507-521.	3.8	80
75	Olfactory cues are sufficient to elicit social approach behaviors but not social transmission of food preference in C57BL/6J mice. Behavioural Brain Research, 2008, 193, 235-242.	2.2	76
76	R-Baclofen Reverses Cognitive Deficits and Improves Social Interactions in Two Lines of 16p11.2 Deletion Mice. Neuropsychopharmacology, 2018, 43, 513-524.	5.4	75
77	Absence of deficits in social behaviors and ultrasonic vocalizations in later generations of mice lacking neuroligin4. Genes, Brain and Behavior, 2012, 11, 928-941.	2.2	71
78	Hippocampal Transcriptomic and Proteomic Alterations in the BTBR Mouse Model of Autism Spectrum Disorder. Frontiers in Physiology, 2015, 6, 324.	2.8	70
79	Rigor and reproducibility in rodent behavioral research. Neurobiology of Learning and Memory, 2019, 165, 106780.	1.9	65
80	Male mice emit distinct ultrasonic vocalizations when the female leaves the social interaction arena. Frontiers in Behavioral Neuroscience, 2013, 7, 159.	2.0	56
81	Quantitative Trait Loci for Interhemispheric Commissure Development and Social Behaviors in the BTBR T+ tf/J Mouse Model of Autism. PLoS ONE, 2013, 8, e61829.	2.5	53
82	16p11.2 Deletion mice display cognitive deficits in touchscreen learning and novelty recognition tasks. Learning and Memory, 2015, 22, 622-632.	1.3	53
83	Social transmission of food preference in mice: methodology and application to galanin-overexpressing transgenic mice. Behavioral Neuroscience, 2003, 117, 21-31.	1.2	53
84	Mouse Models of Autism: Testing Hypotheses About Molecular Mechanisms. Current Topics in Behavioral Neurosciences, 2011, 7, 187-212.	1.7	51
85	Centrally administered cholecystokinin suppresses feeding through a peripheral-type receptor mechanism. Journal of Pharmacology and Experimental Therapeutics, 1991, 257, 1076-80.	2.5	48
86	Behavioral Phenotyping Assays for Genetic Mouse Models of Neurodevelopmental, Neurodegenerative, and Psychiatric Disorders. Annual Review of Animal Biosciences, 2017, 5, 371-389.	7.4	46
87	Galanin: Neurobiologic Mechanisms and Therapeutic Potential for Alzheimer's Disease. CNS Neuroscience & Therapeutics, 2001, 7, 445-470.	4.0	45
88	Engrailed-2(En2) deletion produces multiple neurodevelopmental defects in monoamine systems, forebrain structures and neurogenesis and behavior. Human Molecular Genetics, 2015, 24, 5805-5827.	2.9	45
89	Neuregulin-2 ablation results in dopamine dysregulation and severe behavioral phenotypes relevant to psychiatric disorders. Molecular Psychiatry, 2018, 23, 1233-1243.	7.9	45
90	Evaluation of the neuroactive steroid ganaxolone on social and repetitive behaviors in the BTBR mouse model of autism. Psychopharmacology, 2016, 233, 309-323.	3.1	43

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91	Hypothesisâ€driven investigations of diverse pharmacological targets in two mouse models of autism. Autism Research, 2019, 12, 401-421.	3.8	42
92	Autism-specific maternal autoantibodies produce behavioral abnormalities in an endogenous antigen-driven mouse model of autism. Molecular Psychiatry, 2020, 25, 2994-3009.	7.9	42
93	SynDIG4/Prrt1 Is Required for Excitatory Synapse Development and Plasticity Underlying Cognitive Function. Cell Reports, 2018, 22, 2246-2253.	6.4	41
94	Cognitive Abilities on Transitive Inference Using a Novel Touchscreen Technology for Mice. Cerebral Cortex, 2015, 25, 1133-1142.	2.9	39
95	Behavioral assessment of NIH Swiss mice acutely intoxicated with tetramethylenedisulfotetramine. Neurotoxicology and Teratology, 2015, 47, 36-45.	2.4	38
96	Genetic background modulates phenotypes of serotonin transporter Ala56 knock-in mice. Molecular Autism, 2013, 4, 35.	4.9	35
97	Galanin â€“ 25 years with a multitalented neuropeptide. Cellular and Molecular Life Sciences, 2008, 65, 1836-1841.	5.4	34
98	Early motor phenotype detection in a female mouse model of Rett syndrome is improved by cross-fostering. Human Molecular Genetics, 2017, 26, 1839-1854.	2.9	32
99	Coexistence of Neuropeptides and "Classical" Neurotransmitters.. Annals of the New York Academy of Sciences, 1990, 579, 233-241.	3.8	29
100	The promising trajectory of autism therapeutics discovery. Drug Discovery Today, 2014, 19, 838-844.	6.4	29
101	Galanin peptide levels in hippocampus and cortex of galanin-overexpressing transgenic mice evaluated for cognitive performance. Neuropeptides, 2002, 36, 413-426.	2.2	26
102	Chronic desipramine treatment rescues depressionâ€related, social and cognitive deficits in Engrailedâ€2 knockout mice. Genes, Brain and Behavior, 2014, 13, 286-298.	2.2	24
103	In tribute to Bob Blanchard: Divergent behavioral phenotypes of 16p11.2 deletion mice reared in same-genotype versus mixed-genotype cages. Physiology and Behavior, 2015, 146, 16-27.	2.1	24
104	Touchscreen learning deficits in Ube3a, Ts65Dn and Mecp2 mouse models of neurodevelopmental disorders with intellectual disabilities. Genes, Brain and Behavior, 2018, 17, e12452.	2.2	24
105	Normal Performance of Fmr1 Mice on a Touchscreen Delayed Nonmatching to Position Working Memory Task. ENeuro, 2016, 3, ENEURO.0143-15.2016.	1.9	21
106	Modulation of Mesolimbic Dopaminergic Behaviors by Cholecystokinin. Annals of the New York Academy of Sciences, 1988, 537, 380-396.	3.8	19
107	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. Synapse, 1995, 19, 197-205.	1.2	18
108	3D visualization of the regional differences. Molecular Psychiatry, 2015, 20, 1-1.	7.9	16

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109	Mesolimbic dopaminergic mechanisms underlying individual differences in sugar consumption and amphetamine hyperlocomotion in Wistar rats. European Journal of Neuroscience, 1998, 10, 1895-1902.	2.6	15
110	Behavioral Evaluation of Angelman Syndrome Mice at Older Ages. Neuroscience, 2020, 445, 163-171.	2.3	15
111	Transcription Factor 2I Regulates Neuronal Development via TRPC3 in 7q11.23 Disorder Models. Molecular Neurobiology, 2019, 56, 3313-3325.	4.0	13
112	Sexually dimorphic neuroanatomical differences relate to ASD-relevant behavioral outcomes in a maternal autoantibody mouse model. Molecular Psychiatry, 2021, 26, 7530-7537.	7.9	12
113	Galanin Impairs Cognitive Abilities in Rodents: Relevance to Alzheimerâ€™s Disease. Exs, 2010, 102, 133-141.	1.4	11
114	Spaced training improves learning in Ts65Dn and Ube3a mouse models of intellectual disabilities. Translational Psychiatry, 2019, 9, 166.	4.8	8
115	The CCK-B Antagonist CI-988 Increases Dopamine Levels in Microdialysate from the Rat Nucleus Accumbens via a Tetrodotoxin- and Calcium-Independent Mechanism. Journal of Neurochemistry, 2002, 65, 208-217.	3.9	6
116	Curiosity as an approach to ethoexperimental analysis: Behavioral neuroscience as seen by students and colleagues of Bob Blanchard. Neuroscience and Biobehavioral Reviews, 2017, 76, 415-422.	6.1	5
117	Rigor in science and science reporting: updated guidelines for submissions to Molecular Autism. Molecular Autism, 2019, 10, 6.	4.9	4
118	Evaluation of a TrkB agonist on spatial and motor learning in the Ube3a mouse model of Angelman syndrome. Learning and Memory, 2020, 27, 346-354.	1.3	4
119	Behavioral analyses of animal models of intellectual and developmental disabilities. Neurobiology of Learning and Memory, 2019, 165, 107087.	1.9	1