

Jacob Ellegood

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77
papers

2,509
citations

28
h-index

49
g-index

94
ext. papers

3,593
ext. citations

9.5
avg. IF

4.79
L-index

#	Paper	IF	Citations
77	Dosage-dependent phenotypes in models of 16p11.2 lesions found in autism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17076-81	11.5	209
76	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
75	Altered cerebellar connectivity in autism and cerebellar-mediated rescue of autism-related behaviors in mice. <i>Nature Neuroscience</i> , 2017 , 20, 1744-1751	25.5	174
74	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
73	Germline Chd8 haploinsufficiency alters brain development in mouse. <i>Nature Neuroscience</i> , 2017 , 20, 1062-1073	25.5	136
72	Genetic effects on cerebellar structure across mouse models of autism using a magnetic resonance imaging atlas. <i>Autism Research</i> , 2014 , 7, 124-37	5.1	91
71	Neuroanatomical analysis of the BTBR mouse model of autism using magnetic resonance imaging and diffusion tensor imaging. <i>NeuroImage</i> , 2013 , 70, 288-300	7.9	88
70	Preparation of fixed mouse brains for MRI. <i>NeuroImage</i> , 2012 , 60, 933-9	7.9	86
69	Anatomical phenotyping in a mouse model of fragile X syndrome with magnetic resonance imaging. <i>NeuroImage</i> , 2010 , 53, 1023-9	7.9	80
68	Kctd13 deletion reduces synaptic transmission via increased RhoA. <i>Nature</i> , 2017 , 551, 227-231	50.4	77
67	Sexually dimorphic behavior, neuronal activity, and gene expression in Chd8-mutant mice. <i>Nature Neuroscience</i> , 2018 , 21, 1218-1228	25.5	73
66	Altered TAOK2 activity causes autism-related neurodevelopmental and cognitive abnormalities through RhoA signaling. <i>Molecular Psychiatry</i> , 2019 , 24, 1329-1350	15.1	70
65	Behavioral and Neuroanatomical Phenotypes in Mouse Models of Autism. <i>Neurotherapeutics</i> , 2015 , 12, 521-33	6.4	66
64	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
63	Prenatal Ectenin/Brn2/Tbr2 transcriptional cascade regulates adult social and stereotypic behaviors. <i>Molecular Psychiatry</i> , 2016 , 21, 1417-33	15.1	54
62	Regulation of autism-relevant behaviors by cerebellar-prefrontal cortical circuits. <i>Nature Neuroscience</i> , 2020 , 23, 1102-1110	25.5	52
61	Developmental social communication deficits in the Shank3 rat model of phelan-mcdermid syndrome and autism spectrum disorder. <i>Autism Research</i> , 2018 , 11, 587-601	5.1	51

60	Brain abnormalities in a Neuroligin3 R451C knockin mouse model associated with autism. <i>Autism Research</i> , 2011 , 4, 368-76	5.1	45
59	Neuroanatomical phenotypes in a mouse model of the 22q11.2 microdeletion. <i>Molecular Psychiatry</i> , 2014 , 19, 99-107	15.1	41
58	Sensitive Periods for Cerebellar-Mediated Autistic-like Behaviors. <i>Cell Reports</i> , 2018 , 25, 357-367.e4	10.6	41
57	Neuroanatomical Assessment of the Integrin B Mouse Model Related to Autism and the Serotonin System Using High Resolution MRI. <i>Frontiers in Psychiatry</i> , 2012 , 3, 37	5	36
56	Neuronal overexpression of Ube3a isoform 2 causes behavioral impairments and neuroanatomical pathology relevant to 15q11.2-q13.3 duplication syndrome. <i>Human Molecular Genetics</i> , 2017 , 26, 3995-4010	5.6	35
55	Structural covariance of brain region volumes is associated with both structural connectivity and transcriptomic similarity. <i>NeuroImage</i> , 2018 , 179, 357-372	7.9	33
54	Deep brain stimulation of the ventromedial prefrontal cortex causes reorganization of neuronal processes and vasculature. <i>NeuroImage</i> , 2016 , 125, 422-427	7.9	32
53	Foxp1 regulation of neonatal vocalizations via cortical development. <i>Genes and Development</i> , 2017 , 31, 2039-2055	12.6	32
52	Shifting priorities: highly conserved behavioral and brain network adaptations to chronic stress across species. <i>Translational Psychiatry</i> , 2018 , 8, 26	8.6	29
51	Species-conserved SYNGAP1 phenotypes associated with neurodevelopmental disorders. <i>Molecular and Cellular Neurosciences</i> , 2018 , 91, 140-150	4.8	29
50	Translational outcomes in a full gene deletion of ubiquitin protein ligase E3A rat model of Angelman syndrome. <i>Translational Psychiatry</i> , 2020 , 10, 39	8.6	28
49	Regional brain volumes changes in adult male FMR1-KO mouse on the FVB strain. <i>Neuroscience</i> , 2016 , 318, 12-21	3.9	28
48	Foxp1 in Forebrain Pyramidal Neurons Controls Gene Expression Required for Spatial Learning and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2017 , 37, 10917-10931	6.6	26
47	Neuroanatomical Phenotypes Are Consistent With Autism-Like Behavioral Phenotypes in the 15q11-13 Duplication Mouse Model. <i>Autism Research</i> , 2015 , 8, 545-55	5.1	24
46	Repeated exposure to sucrose for procedural pain in mouse pups leads to long-term widespread brain alterations. <i>Pain</i> , 2017 , 158, 1586-1598	8	24
45	Loss of T cells influences sex differences in behavior and brain structure. <i>Brain, Behavior, and Immunity</i> , 2015 , 46, 249-60	16.6	22
44	Neuroanatomy in mouse models of Rett syndrome is related to the severity of Mecp2 mutation and behavioral phenotypes. <i>Molecular Autism</i> , 2017 , 8, 32	6.5	20
43	Vertebrate intersectin1 is repurposed to facilitate cortical midline connectivity and higher order cognition. <i>Journal of Neuroscience</i> , 2013 , 33, 4055-65	6.6	19

42	Considerations for measuring the fractional anisotropy of metabolites with diffusion tensor spectroscopy. <i>NMR in Biomedicine</i> , 2011 , 24, 270-80	4.4	18
41	Behavioral and neuroanatomical approaches in models of neurodevelopmental disorders: opportunities for translation. <i>Current Opinion in Neurology</i> , 2018 , 31, 126-133	7.1	16
40	Translational outcomes relevant to neurodevelopmental disorders following early life exposure of rats to chlorpyrifos. <i>Journal of Neurodevelopmental Disorders</i> , 2020 , 12, 40	4.6	15
39	Kctd13-deficient mice display short-term memory impairment and sex-dependent genetic interactions. <i>Human Molecular Genetics</i> , 2019 , 28, 1474-1486	5.6	14
38	Effects of placental growth factor deficiency on behavior, neuroanatomy, and cerebrovasculature of mice. <i>Physiological Genomics</i> , 2018 , 50, 862-875	3.6	13
37	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes. <i>Molecular Psychiatry</i> , 2021 ,	15.1	13
36	Precocious myelination in a mouse model of autism. <i>Translational Psychiatry</i> , 2019 , 9, 251	8.6	12
35	Spatial gene expression analysis of neuroanatomical differences in mouse models. <i>NeuroImage</i> , 2017 , 163, 220-230	7.9	12
34	3D visualization of the regional differences. <i>Molecular Psychiatry</i> , 2015 , 20, 1	15.1	12
33	Setd5 haploinsufficiency alters neuronal network connectivity and leads to autistic-like behaviors in mice. <i>Translational Psychiatry</i> , 2019 , 9, 24	8.6	11
32	Altered brain development in an early-onset murine model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015 , 36, 638-47	5.6	11
31	Analysis of neuroanatomical differences in mice with genetically modified serotonin transporters assessed by structural magnetic resonance imaging. <i>Molecular Autism</i> , 2018 , 9, 24	6.5	10
30	Distinct cerebellar foliation anomalies in a CHD7 haploinsufficient mouse model of CHARGE syndrome. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2017 , 175,	3.1	10
29	Atrx Deletion in Neurons Leads to Sexually Dimorphic Dysregulation of miR-137 and Spatial Learning and Memory Deficits. <i>Cell Reports</i> , 2020 , 31, 107838	10.6	9
28	Systemic inflammation combined with neonatal cerebellar haemorrhage aggravates long-term structural and functional outcomes in a mouse model. <i>Brain, Behavior, and Immunity</i> , 2017 , 66, 257-276	16.6	8
27	The EPCadherins Regulate the Survival of GABAergic Interneurons during Developmental Cell Death. <i>Journal of Neuroscience</i> , 2020 , 40, 8652-8668	6.6	7
26	Neuroanatomy and behavior in mice with a haploinsufficiency of AT-rich interactive domain 1B (ARID1B) throughout development. <i>Molecular Autism</i> , 2021 , 12, 25	6.5	7
25	A highly specific pattern of volumetric brain changes due to 22q11.2 deletions in both mice and humans. <i>Molecular Psychiatry</i> , 2014 , 19, 6	15.1	6

24	Placental endocrine function shapes cerebellar development and social behavior. <i>Nature Neuroscience</i> , 2021 , 24, 1392-1401	25.5	6
23	Excessive Laughter-like Vocalizations, Microcephaly, and Translational Outcomes in the Deletion Rat Model of Angelman Syndrome. <i>Journal of Neuroscience</i> , 2021 , 41, 8801-8814	6.6	5
22	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
21	The gamma-Protocadherins regulate the survival of GABAergic interneurons during developmentally-regulated cell death		4
20	Pten haploinsufficiency disrupts scaling across brain areas during development in mice. <i>Translational Psychiatry</i> , 2019 , 9, 329	8.6	4
19	Excitatory neuronal CHD8 in the regulation of neocortical development and sensory-motor behaviors. <i>Cell Reports</i> , 2021 , 34, 108780	10.6	4
18	Distinct, dosage-sensitive requirements for the autism-associated factor CHD8 during cortical development. <i>Molecular Autism</i> , 2021 , 12, 16	6.5	4
17	Behavioral and neuroanatomical analyses in a genetic mouse model of 2q13 duplication. <i>Genes To Cells</i> , 2017 , 22, 436-451	2.3	3
16	Cyclin D2-knock-out mice with attenuated dentate gyrus neurogenesis have robust deficits in long-term memory formation. <i>Scientific Reports</i> , 2020 , 10, 8204	4.9	3
15	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes		3
14	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
13	Developmental and Behavioral Phenotypes in a Mouse Model of DDX3X Syndrome. <i>Biological Psychiatry</i> , 2021 , 90, 742-755	7.9	2
12	Sexually dimorphic neuroanatomical differences relate to ASD-relevant behavioral outcomes in a maternal autoantibody mouse model. <i>Molecular Psychiatry</i> , 2021 ,	15.1	2
11	Examining the effect of chronic intranasal oxytocin administration on the neuroanatomy and behavior of three autism-related mouse models		2
10	A ketogenic diet affects brain volume and metabolome in juvenile mice. <i>NeuroImage</i> , 2021 , 244, 118542	7.9	2
9	haploinsufficiency causes desynchronized growth of brain areas involved in sensory processing.. <i>iScience</i> , 2022 , 25, 103796	6.1	1
8	Non-monotonic regulation of gene expression, neural progenitor fate and brain growth by the chromatin remodeller CHD8		1
7	Atrx deletion in neurons leads to sexually-dimorphic dysregulation of miR-137 and spatial learning and memory deficits		1

6	Autism-linked Cullin3 germline haploinsufficiency impacts cytoskeletal dynamics and cortical neurogenesis through RhoA signaling. <i>Molecular Psychiatry</i> , 2021 , 26, 3586-3613	15.1	1
5	Reduced anterior cingulate cortex volume induced by chronic stress correlates with increased behavioral emotionality and decreased synaptic puncta density. <i>Neuropharmacology</i> , 2021 , 190, 108562	5.5	1
4	Multiple-mouse magnetic resonance imaging with cryogenic radiofrequency probes for evaluation of brain development.. <i>NeuroImage</i> , 2022 , 252, 119008	7.9	1
3	Examining the effect of chronic intranasal oxytocin administration on the neuroanatomy and behavior of three autism-related mouse models.. <i>NeuroImage</i> , 2022 , 257, 119243	7.9	0
2	Is There a Hemispheric Disconnect in Neurodevelopmental Disorders?. <i>Trends in Neurosciences</i> , 2019 , 42, 843-844	13.3	
1	Characterization of mice bearing humanized androgen receptor genes (h/mAr) varying in polymorphism length. <i>NeuroImage</i> , 2021 , 226, 117594	7.9	