Joaquin N Lugo

List of Publications by Year
in descending order

66 papers	1,689 citations	331670 21 h-index	302126 39 g-index
70 all docs	70 docs citations	70 times ranked	2123 citing authors

#	Article	IF	Citations
1	A flurothyl-induced seizure does not disrupt hippocampal memory reconsolidation in C57BL/6ÂJ mice. Epilepsy Research, 2022, 181, 106867.	1.6	1
2	Dietary rescue of adult behavioral deficits in the Fmr1 knockout mouse. PLoS ONE, 2022, 17, e0262916.	2.5	4
3	Multiple Early-Life Seizures Alters Neonatal Communicative Behavior in Fmr1 Knockout Mice. Developmental Neuroscience, 2022, 44, 478-486.	2.0	0
4	Brain Malformations in C57BL/6 Mice Affect Seizure Onset. FASEB Journal, 2022, 36, .	0.5	0
5	Rapamycin, but not minocycline, significantly alters ultrasonic vocalization behavior in C57BL/6J pups in a flurothyl seizure model. Behavioural Brain Research, 2021, 410, 113317.	2.2	3
6	A vitamin D enriched diet attenuates sex-specific behavioral deficits, increases the lifespan, but does not rescue bone abnormalities in a mouse model of cortical dysplasia. Epilepsy and Behavior, 2021, 124, 108297.	1.7	4
7	Evaluating the DeepSqueak and Mouse Song Analyzer vocalization analysis systems in C57BL/6J, FVB.129, and FVB neonates. Journal of Neuroscience Methods, 2021, 364, 109356.	2.5	0
8	A comparison of four commercially available RNA extraction kits for wastewater surveillance of SARS-CoV-2 in a college population. Science of the Total Environment, 2021, 801, 149595.	8.0	10
9	NS-Pten adult knockout mice display both quantitative and qualitative changes in urine-induced ultrasonic vocalizations. Behavioural Brain Research, 2020, 378, 112189.	2.2	9
10	Highâ€throughput analysis of vocalizations reveals sexâ€specific changes in Fmr1 mutant pups. Genes, Brain and Behavior, 2020, 19, e12611.	2.2	19
11	Lipopolysaccharide-induced inflammation leads to acute elevations in pro-inflammatory cytokine expression in a mouse model of Fragile X syndrome. Physiology and Behavior, 2020, 215, 112776.	2.1	10
12	A single episode of early-life status epilepticus impacts neonatal ultrasonic vocalization behavior in the Fmr1 knockout mouse. Epilepsy and Behavior, 2020, 111, 107279.	1.7	2
13	A comparison of the Avisoft (v.5.2) and MATLAB Mouse Song Analyzer (v.1.3) vocalization analysis systems in C57BL/6, Fmr1-FVB.129, NS-Pten-FVB, and 129 mice. Journal of Neuroscience Methods, 2020, 346, 108913.	2.5	8
14	Increased expression of Fragile X mental retardation protein in malformative lesions of patients with focal cortical dysplasia. NeuroReport, 2020, 31, 1036-1041.	1.2	1
15	An acute seizure prior to memory reactivation transiently impairs associative memory performance in C57BL/6J mice. Learning and Memory, 2020, 27, 340-345.	1.3	1
16	Therapeutic role of targeting mTOR signaling and neuroinflammation in epilepsy. Epilepsy Research, 2020, 161, 106282.	1.6	48
17	Prenatal High-Fat Diet Rescues Communication Deficits in Fmr1 Mutant Mice in a Sex-Specific Manner. Developmental Neuroscience, 2020, 42, 94-104.	2.0	8
18	A single early-life seizure results in long-term behavioral changes in the adult Fmr1 knockout mouse. Epilepsy Research, 2019, 157, 106193.	1.6	15

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19	High seizure load during sensitive periods of development leads to broad shifts in ultrasonic vocalization behavior in neonatal male and female C57BL/6J mice. Epilepsy and Behavior, 2019, 95, 26-33.	1.7	6
20	Neuronal deletion of phosphatase and tensin homolog results in cerebellar motor learning dysfunction and alterations in intracellular signaling. NeuroReport, 2019, 30, 556-561.	1.2	9
21	Neuronal deletion of Pten results in cerebellar motor learning dysfunction and alterations in intracellular signaling. CNS and Neurological Disorders - Drug Targets, 2019, 18, .	1.4	1
22	Neuroinflammation Alters Integrative Properties of Rat Hippocampal Pyramidal Cells. Molecular Neurobiology, 2018, 55, 7500-7511.	4.0	36
23	Molecular interplay between hyperactive mammalian target of rapamycin signaling and Alzheimerâ€™s disease neuropathology in the NS-Pten knockout mouse model. NeuroReport, 2018, 29, 1109-1113.	1.2	11
24	A single seizure selectively impairs hippocampalâ€dependent memory and is associated with alterations in <scp>PI</scp>3K/Akt/<scp>mTOR</scp> and <scp>FMRP</scp> signaling. Epilepsia Open, 2018, 3, 511-523.	2.4	10
25	Neuronal subset-specific deletion of Pten results in aberrant Wnt signaling and memory impairments. Brain Research, 2018, 1699, 100-106.	2.2	10
26	Wnt/Î²-catenin signaling as a potential target for novel epilepsy therapies. Epilepsy Research, 2018, 146, 9-16.	1.6	51
27	A comparison of the Avisoft (5.2) and Ultravox (2.0) recording systems: Implications for early-life communication and vocalization research. Journal of Neuroscience Methods, 2018, 309, 6-12.	2.5	12
28	Reversal learning paradigm reveals deficits in cognitive flexibility in the Fmr1 knockout male mouse. F1000Research, 2018, 7, 711.	1.6	10
29	Neuron subset-specific Pten deletion induces abnormal skeletal activity in mice. Experimental Neurology, 2017, 291, 98-105.	4.1	5
30	Spectral and temporal properties of calls reveal deficits in ultrasonic vocalizations of adult Fmr1 knockout mice. Behavioural Brain Research, 2017, 332, 50-58.	2.2	33
31	Early-life status epilepticus acutely impacts select quantitative and qualitative features of neonatal vocalization behavior: Spectrographic and temporal characterizations in C57BL/6 mice. Epilepsy and Behavior, 2017, 72, 58-62.	1.7	13
32	Early-life status epilepticus induces long-term deficits in anxiety and spatial learning in mice. International Journal of Epilepsy, 2017, 04, 036-045.	0.5	4
33	Deletion of Fmr1 results in sexâ€specific changes in behavior. Brain and Behavior, 2017, 7, e00800.	2.2	45
34	Adult Fmr1 knockout mice present with deficiencies in hippocampal interleukin-6 and tumor necrosis factor-Î± expression. NeuroReport, 2017, 28, 1246-1249.	1.2	12
35	<scp>NS</scp>â€Pten knockout mice show sexâ€and ageâ€specific differences in ultrasonic vocalizations. Brain and Behavior, 2017, 7, e00857.	2.2	32
36	Oral aniracetam treatment in C57BL/6J mice without pre-existing cognitive dysfunction reveals no changes in learning, memory, anxiety or stereotypy. F1000Research, 2017, 6, 1452.	1.6	6

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37	Study of oral aniracetam in C57BL/6J mice without pre-existing cognitive impairments. F1000Research, 2017, 6, 1452.	1.6	6
38	The effect of early life status epilepticus on ultrasonic vocalizations in mice. Epilepsia, 2016, 57, 1377-1385.	5.1	12
39	Superimposing Status Epilepticus on Neuron Subset-Specific PTEN Haploinsufficient and Wild Type Mice Results in Long-term Changes in Behavior. Scientific Reports, 2016, 6, 36559.	3.3	14
40	Sex-specific and genotype-specific differences in vocalization development in FMR1 knockout mice. NeuroReport, 2016, 27, 1331-1335.	1.2	29
41	Effects of an acute seizure on associative learning and memory. Epilepsy and Behavior, 2016, 54, 51-57.	1.7	14
42	Kv4.2 knockout mice display learning and memory deficits in the Lashley maze. F1000Research, 2016, 5, 2456.	1.6	10
43	Kv4.2 knockout mice display learning and memory deficits in the Lashley maze. F1000Research, 2016, 5, 2456.	1.6	3
44	Testing for Odor Discrimination and Habituation in Mice. Journal of Visualized Experiments, 2015, , e52615.	0.3	43
45	Comparison of Equivalence between Two Commercially Available S499-Phosphorylated FMRP Antibodies in Mice. PLoS ONE, 2015, 10, e0143134.	2.5	4
46	Aniracetam Does Not Alter Cognitive and Affective Behavior in Adult C57BL/6J Mice. PLoS ONE, 2014, 9, e104443.	2.5	8
47	Trace Fear Conditioning in Mice. Journal of Visualized Experiments, 2014, , .	0.3	22
48	Early-life seizures result in deficits in social behavior and learning. Experimental Neurology, 2014, 256, 74-80.	4.1	65
49	Deletion of PTEN produces autism-like behavioral deficits and alterations in synaptic proteins. Frontiers in Molecular Neuroscience, 2014, 7, 27.	2.9	129
50	Deletion of PTEN produces deficits in conditioned fear and increases fragile X mental retardation protein. Learning and Memory, 2013, 20, 670-673.	1.3	22
51	Rapamycin Reverses Status Epilepticus-Induced Memory Deficits and Dendritic Damage. PLoS ONE, 2013, 8, e57808.	2.5	94
52	Differential Dorso-ventral Distributions of Kv4.2 and HCN Proteins Confer Distinct Integrative Properties to Hippocampal CA1 Pyramidal Cell Distal Dendrites. Journal of Biological Chemistry, 2012, 287, 17656-17661.	3.4	43
53	Kv4.2 knockout mice have hippocampal-dependent learning and memory deficits. Learning and Memory, 2012, 19, 182-189.	1.3	48
54	Inhibition of the mammalian target of rapamycin blocks epilepsy progression in NS-Pten conditional knockout mice. Epilepsia, 2011, 52, 2065-2075.	5.1	99

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55	Kv4.2 knockout mice demonstrate increased susceptibility to convulsant stimulation. Epilepsia, 2009, 50, 1741-1751.	5.1	65
56	Rapamycin suppresses seizures and neuronal hypertrophy in a mouse model of cortical dysplasia. DMM Disease Models and Mechanisms, 2009, 2, 389-398.	2.4	162
57	Altered phosphorylation and localization of the Aâ€type channel, Kv4.2 in status epilepticus. Journal of Neurochemistry, 2008, 106, 1929-1940.	3.9	69
58	Progressive Dendritic HCN Channelopathy during Epileptogenesis in the Rat Pilocarpine Model of Epilepsy. Journal of Neuroscience, 2007, 27, 13012-13021.	3.6	211
59	Alcohol Exposure During Development: Analysis of Effects on Female Sexual Behavior. Alcoholism: Clinical and Experimental Research, 2007, 31, 2065-2072.	2.4	10
60	Ethanol exposure during development reduces resident aggression and testosterone in rats. Physiology and Behavior, 2006, 87, 330-337.	2.1	30
61	MYOCARDIAL POTASSIUM CHANNEL REMODELING: A CANDIDATE MECHANISM FOR SUDDEN DEATH IN EPILEPSY.. Critical Care Medicine, 2006, 34, A5.	0.9	0
62	Perinatal ethanol exposure alters met-enkephalin levels of male and female rats. Neurotoxicology and Teratology, 2006, 28, 238-244.	2.4	14
63	Effect of Amygdalar Opioids on the Anxiolytic Properties of Ethanol. Annals of the New York Academy of Sciences, 2003, 985, 472-475.	3.8	14
64	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. F1000Research, 0, 8, 1727.	1.6	0
65	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. F1000Research, 0, 8, 1727.	1.6	0
66	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. F1000Research, 0, 8, 1727.	1.6	0