

Joaquin N Lugo

List of Publications by Year in descending order

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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	Progressive Dendritic HCN Channelopathy during Epileptogenesis in the Rat Pilocarpine Model of Epilepsy. <i>Journal of Neuroscience</i> , 2007, 27, 13012-13021.	3.6	211
2	Rapamycin suppresses seizures and neuronal hypertrophy in a mouse model of cortical dysplasia. <i>DMM Disease Models and Mechanisms</i> , 2009, 2, 389-398.	2.4	162
3	Deletion of PTEN produces autism-like behavioral deficits and alterations in synaptic proteins. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 27.	2.9	129
4	Inhibition of the mammalian target of rapamycin blocks epilepsy progression in NS-Pten conditional knockout mice. <i>Epilepsia</i> , 2011, 52, 2065-2075.	5.1	99
5	Rapamycin Reverses Status Epilepticus-Induced Memory Deficits and Dendritic Damage. <i>PLoS ONE</i> , 2013, 8, e57808.	2.5	94
6	Altered phosphorylation and localization of the A α -type channel, Kv4.2 in status epilepticus. <i>Journal of Neurochemistry</i> , 2008, 106, 1929-1940.	3.9	69
7	Kv4.2 knockout mice demonstrate increased susceptibility to convulsant stimulation. <i>Epilepsia</i> , 2009, 50, 1741-1751.	5.1	65
8	Early-life seizures result in deficits in social behavior and learning. <i>Experimental Neurology</i> , 2014, 256, 74-80.	4.1	65
9	Wnt/ β ² -catenin signaling as a potential target for novel epilepsy therapies. <i>Epilepsy Research</i> , 2018, 146, 9-16.	1.6	51
10	Kv4.2 knockout mice have hippocampal-dependent learning and memory deficits. <i>Learning and Memory</i> , 2012, 19, 182-189.	1.3	48
11	Therapeutic role of targeting mTOR signaling and neuroinflammation in epilepsy. <i>Epilepsy Research</i> , 2020, 161, 106282.	1.6	48
12	Deletion of <i>Fmr1</i> results in sex-specific changes in behavior. <i>Brain and Behavior</i> , 2017, 7, e00800.	2.2	45
13	Differential Dorso-ventral Distributions of Kv4.2 and HCN Proteins Confer Distinct Integrative Properties to Hippocampal CA1 Pyramidal Cell Distal Dendrites. <i>Journal of Biological Chemistry</i> , 2012, 287, 17656-17661.	3.4	43
14	Testing for Odor Discrimination and Habituation in Mice. <i>Journal of Visualized Experiments</i> , 2015, , e52615.	0.3	43
15	Neuroinflammation Alters Integrative Properties of Rat Hippocampal Pyramidal Cells. <i>Molecular Neurobiology</i> , 2018, 55, 7500-7511.	4.0	36
16	Spectral and temporal properties of calls reveal deficits in ultrasonic vocalizations of adult <i>Fmr1</i> knockout mice. <i>Behavioural Brain Research</i> , 2017, 332, 50-58.	2.2	33
17	NS-Pten knockout mice show sex- and age-specific differences in ultrasonic vocalizations. <i>Brain and Behavior</i> , 2017, 7, e00857.	2.2	32
18	Ethanol exposure during development reduces resident aggression and testosterone in rats. <i>Physiology and Behavior</i> , 2006, 87, 330-337.	2.1	30

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19	Sex-specific and genotype-specific differences in vocalization development in FMR1 knockout mice. <i>NeuroReport</i> , 2016, 27, 1331-1335.	1.2	29
20	Deletion of PTEN produces deficits in conditioned fear and increases fragile X mental retardation protein. <i>Learning and Memory</i> , 2013, 20, 670-673.	1.3	22
21	Trace Fear Conditioning in Mice. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	22
22	High-throughput analysis of vocalizations reveals sex-specific changes in <i>Fmr1</i> mutant pups. <i>Genes, Brain and Behavior</i> , 2020, 19, e12611.	2.2	19
23	A single early-life seizure results in long-term behavioral changes in the adult <i>Fmr1</i> knockout mouse. <i>Epilepsy Research</i> , 2019, 157, 106193.	1.6	15
24	Effect of Amygdalar Opioids on the Anxiolytic Properties of Ethanol. <i>Annals of the New York Academy of Sciences</i> , 2003, 985, 472-475.	3.8	14
25	Perinatal ethanol exposure alters met-enkephalin levels of male and female rats. <i>Neurotoxicology and Teratology</i> , 2006, 28, 238-244.	2.4	14
26	Superimposing Status Epilepticus on Neuron Subset-Specific PTEN Haploinsufficient and Wild Type Mice Results in Long-term Changes in Behavior. <i>Scientific Reports</i> , 2016, 6, 36559.	3.3	14
27	Effects of an acute seizure on associative learning and memory. <i>Epilepsy and Behavior</i> , 2016, 54, 51-57.	1.7	14
28	Early-life status epilepticus acutely impacts select quantitative and qualitative features of neonatal vocalization behavior: Spectrographic and temporal characterizations in C57BL/6 mice. <i>Epilepsy and Behavior</i> , 2017, 72, 58-62.	1.7	13
29	The effect of early life status epilepticus on ultrasonic vocalizations in mice. <i>Epilepsia</i> , 2016, 57, 1377-1385.	5.1	12
30	Adult <i>Fmr1</i> knockout mice present with deficiencies in hippocampal interleukin-6 and tumor necrosis factor- β expression. <i>NeuroReport</i> , 2017, 28, 1246-1249.	1.2	12
31	A comparison of the Avisoft (5.2) and Ultravox (2.0) recording systems: Implications for early-life communication and vocalization research. <i>Journal of Neuroscience Methods</i> , 2018, 309, 6-12.	2.5	12
32	Molecular interplay between hyperactive mammalian target of rapamycin signaling and Alzheimer's disease neuropathology in the NS-Pten knockout mouse model. <i>NeuroReport</i> , 2018, 29, 1109-1113.	1.2	11
33	Alcohol Exposure During Development: Analysis of Effects on Female Sexual Behavior. <i>Alcoholism: Clinical and Experimental Research</i> , 2007, 31, 2065-2072.	2.4	10
34	A single seizure selectively impairs hippocampal-dependent memory and is associated with alterations in PI3K/Akt/mTOR and FMRP signaling. <i>Epilepsia Open</i> , 2018, 3, 511-523.	2.4	10
35	Neuronal subset-specific deletion of Pten results in aberrant Wnt signaling and memory impairments. <i>Brain Research</i> , 2018, 1699, 100-106.	2.2	10
36	Lipopolysaccharide-induced inflammation leads to acute elevations in pro-inflammatory cytokine expression in a mouse model of Fragile X syndrome. <i>Physiology and Behavior</i> , 2020, 215, 112776.	2.1	10

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37	A comparison of four commercially available RNA extraction kits for wastewater surveillance of SARS-CoV-2 in a college population. <i>Science of the Total Environment</i> , 2021, 801, 149595.	8.0	10
38	Reversal learning paradigm reveals deficits in cognitive flexibility in the Fmr1 knockout male mouse. <i>F1000Research</i> , 2018, 7, 711.	1.6	10
39	Kv4.2 knockout mice display learning and memory deficits in the Lashley maze. <i>F1000Research</i> , 2016, 5, 2456.	1.6	10
40	Neuronal deletion of phosphatase and tensin homolog results in cerebellar motor learning dysfunction and alterations in intracellular signaling. <i>NeuroReport</i> , 2019, 30, 556-561.	1.2	9
41	NS-Pten adult knockout mice display both quantitative and qualitative changes in urine-induced ultrasonic vocalizations. <i>Behavioural Brain Research</i> , 2020, 378, 112189.	2.2	9
42	Aniracetam Does Not Alter Cognitive and Affective Behavior in Adult C57BL/6J Mice. <i>PLoS ONE</i> , 2014, 9, e104443.	2.5	8
43	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. <i>Journal of Neuroscience Methods</i> , 2020, 346, 108913.	2.5	8
44	Prenatal High-Fat Diet Rescues Communication Deficits in Fmr1 Mutant Mice in a Sex-Specific Manner. <i>Developmental Neuroscience</i> , 2020, 42, 94-104.	2.0	8
45	High seizure load during sensitive periods of development leads to broad shifts in ultrasonic vocalization behavior in neonatal male and female C57BL/6J mice. <i>Epilepsy and Behavior</i> , 2019, 95, 26-33.	1.7	6
46	Oral aniracetam treatment in C57BL/6J mice without pre-existing cognitive dysfunction reveals no changes in learning, memory, anxiety or stereotypy. <i>F1000Research</i> , 2017, 6, 1452.	1.6	6
47	Study of oral aniracetam in C57BL/6J mice without pre-existing cognitive impairments. <i>F1000Research</i> , 2017, 6, 1452.	1.6	6
48	Neuron subset-specific Pten deletion induces abnormal skeletal activity in mice. <i>Experimental Neurology</i> , 2017, 291, 98-105.	4.1	5
49	Comparison of Equivalence between Two Commercially Available S499-Phosphorylated FMRP Antibodies in Mice. <i>PLoS ONE</i> , 2015, 10, e0143134.	2.5	4
50	Early-life status epilepticus induces long-term deficits in anxiety and spatial learning in mice. <i>International Journal of Epilepsy</i> , 2017, 04, 036-045.	0.5	4
51	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. <i>Epilepsy and Behavior</i> , 2021, 124, 108297.	1.7	4
52	Dietary rescue of adult behavioral deficits in the Fmr1 knockout mouse. <i>PLoS ONE</i> , 2022, 17, e0262916.	2.5	4
53	Rapamycin, but not minocycline, significantly alters ultrasonic vocalization behavior in C57BL/6J pups in a flurothyl seizure model. <i>Behavioural Brain Research</i> , 2021, 410, 113317.	2.2	3
54	Kv4.2 knockout mice display learning and memory deficits in the Lashley maze. <i>F1000Research</i> , 2016, 5, 2456.	1.6	3

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55	A single episode of early-life status epilepticus impacts neonatal ultrasonic vocalization behavior in the Fmr1 knockout mouse. <i>Epilepsy and Behavior</i> , 2020, 111, 107279.	1.7	2
56	Increased expression of Fragile X mental retardation protein in malformative lesions of patients with focal cortical dysplasia. <i>NeuroReport</i> , 2020, 31, 1036-1041.	1.2	1
57	An acute seizure prior to memory reactivation transiently impairs associative memory performance in C57BL/6J mice. <i>Learning and Memory</i> , 2020, 27, 340-345.	1.3	1
58	Neuronal deletion of Pten results in cerebellar motor learning dysfunction and alterations in intracellular signaling. <i>CNS and Neurological Disorders - Drug Targets</i> , 2019, 18, .	1.4	1
59	A flurothyl-induced seizure does not disrupt hippocampal memory reconsolidation in C57BL/6J mice. <i>Epilepsy Research</i> , 2022, 181, 106867.	1.6	1
60	MYOCARDIAL POTASSIUM CHANNEL REMODELING: A CANDIDATE MECHANISM FOR SUDDEN DEATH IN EPILEPSY.. <i>Critical Care Medicine</i> , 2006, 34, A5.	0.9	0
61	Evaluating the DeepSqueak and Mouse Song Analyzer vocalization analysis systems in C57BL/6J, FVB.129, and FVB neonates. <i>Journal of Neuroscience Methods</i> , 2021, 364, 109356.	2.5	0
62	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. <i>F1000Research</i> , 0, 8, 1727.	1.6	0
63	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. <i>F1000Research</i> , 0, 8, 1727.	1.6	0
64	Neuronal subset-specific Pten-deficient mice do not exhibit deficits in sensorimotor gating processes. <i>F1000Research</i> , 0, 8, 1727.	1.6	0
65	Multiple Early-Life Seizures Alters Neonatal Communicative Behavior in Fmr1 Knockout Mice. <i>Developmental Neuroscience</i> , 2022, 44, 478-486.	2.0	0
66	Brain Malformations in C57BL/6 Mice Affect Seizure Onset. <i>FASEB Journal</i> , 2022, 36, .	0.5	0