Richardson N Leao

List of Publications by Year
in descending order

49	2,215	218662	243610
papers	citations	26 h-index	44 g-index

57	57	57	2986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decreasing dorsal cochlear nucleus activity ameliorates noise-induced tinnitus perception in mice. BMC Biology, 2022, 20, 102.	3.8	5
2	Using Cortical Neuron Markers to Target Cells in the Dorsal Cochlear Nucleus. ENeuro, 2021, 8, ENEURO.0413-20.2020.	1.9	6
3	Anxiety-like behavior induced by salicylate depends on age and can be prevented by a single dose of 5-MeO-DMT. Experimental Neurology, 2020, 326, 113175.	4.1	17
4	Modeling the Effect of Temperature on Membrane Response of Light Stimulation in Optogenetically-Targeted Neurons. Frontiers in Computational Neuroscience, 2020, 14, 5.	2.1	17
5	Chrna2â€OLM interneurons display different membrane properties and hâ€current magnitude depending on dorsoventral location. Hippocampus, 2019, 29, 1224-1237.	1.9	23
6	Crosstalk between mitochondria, calcium channels and actin cytoskeleton modulates noradrenergic activity of locus coeruleus neurons. Journal of Neurochemistry, 2019, 149, 471-487.	3.9	12
7	Chronic in vivo optogenetic stimulation modulates neuronal excitability, spine morphology, and Hebbian plasticity in the mouse hippocampus. Hippocampus, 2019, 29, 755-761.	1.9	22
8	Salicylate induces anxietyâ€like behavior and slow theta oscillation and abolishes the relationship between running speed and fast theta oscillation frequency. Hippocampus, 2019, 29, 15-25.	1.9	11
9	A Single Dose of 5-MeO-DMT Stimulates Cell Proliferation, Neuronal Survivability, Morphological and Functional Changes in Adult Mice Ventral Dentate Gyrus. Frontiers in Molecular Neuroscience, 2018, 11, 312.	2.9	47
10	Ventral hippocampal OLM cells control type 2 theta oscillations and response to predator odor. Nature Communications, 2018, 9, 3638.	12.8	83
11	OLMÎ±2 Cells Bidirectionally Modulate Learning. Neuron, 2018, 99, 404-412.e3.	8.1	53
12	Direct Reprogramming of Adult Human Somatic Stem Cells Into Functional Neurons Using Sox2, Ascl1, and Neurog2. Frontiers in Cellular Neuroscience, 2018, 12, 155.	3.7	15
13	Lineage Reprogramming of Astroglial Cells from Different Origins into Distinct Neuronal Subtypes. Stem Cell Reports, 2017, 9, 162-176.	4.8	55
14	Chrna2-Martinotti Cells Synchronize Layer 5 Type A Pyramidal Cells via Rebound Excitation. PLoS Biology, 2017, 15, e2001392.	5.6	91
15	A Respiration-Coupled Rhythm in the Rat Hippocampus Independent of Theta and Slow Oscillations. Journal of Neuroscience, 2016, 36, 5338-5352.	3.6	129
16	On the photovoltaic effect in local field potential recordings. Neurophotonics, 2016, 3, 015002.	3.3	31
17	Pre-ictal increase in theta synchrony between the hippocampus and prefrontal cortex in a rat model of temporal lobe epilepsy. Experimental Neurology, 2016, 279, 232-242.	4.1	32
18	Novel markers for OLM interneurons in the hippocampus. Frontiers in Cellular Neuroscience, 2015, 9, 201.	3.7	31

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19	A role for solute carrier family 10 member 4, or vesicular aminergicâ€associated transporter, in structural remodelling and transmitter release at the mouse neuromuscular junction. European Journal of Neuroscience, 2015, 41, 316-327.	2.6	6
20	Interconnection and synchronization of neuronal populations in the mouse medial septum/diagonal band of Broca. Journal of Neurophysiology, 2015, 113, 971-980.	1.8	32
21	Increased hippocampal excitability and impaired spatial memory function in mice lacking VGLUT2 selectively in neurons defined by tyrosine hydroxylase promoter activity. Brain Structure and Function, 2015, 220, 2171-2190.	2.3	22
22	Limiting glutamate transmission in a Vglut2 -expressing subpopulation of the subthalamic nucleus is sufficient to cause hyperlocomotion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7837-7842.	7.1	49
23	Automatic tracking of cells for video microscopy in patch clamp experiments. BioMedical Engineering OnLine, 2014, 13, 78.	2.7	2
24	On High-Frequency Field Oscillations (>100 Hz) and the Spectral Leakage of Spiking Activity. Journal of Neuroscience, 2013, 33, 1535-1539.	3.6	116
25	The synaptic protein encoded by the gene Slc10A4 suppresses epileptiform activity and regulates sensitivity to cholinergic chemoconvulsants. Experimental Neurology, 2013, 239, 73-81.	4.1	15
26	Delivery of Differentiation Factors by Mesoporous Silica Particles Assists Advanced Differentiation of Transplanted Murine Embryonic Stem Cells. Stem Cells Translational Medicine, 2013, 2, 906-915.	3.3	27
27	Synchronization through nonreciprocal connections in a hybrid hippocampus microcircuit. Frontiers in Neural Circuits, 2013, 7, 120.	2.8	8
28	Medial septal dysfunction by AÎ²-induced KCNQ channel-block in glutamatergic neurons. Neurobiology of Aging, 2012, 33, 2046-2061.	3.1	33
29	Strengthâ€“duration relationship for intra- versus extracellular stimulation with microelectrodes. Neuroscience, 2012, 214, 1-13.	2.3	70
30	OLM interneurons differentially modulate CA3 and entorhinal inputs to hippocampal CA1 neurons. Nature Neuroscience, 2012, 15, 1524-1530.	14.8	306
31	Lateral superior olive function in congenital deafness. Hearing Research, 2011, 277, 163-175.	2.0	14
32	Modulation of dendritic synaptic processing in the lateral superior olive by hyperpolarization-activated currents. European Journal of Neuroscience, 2011, 33, 1462-1470.	2.6	10
33	Sound stimulation modulates highâ€threshold K⁺ currents in mouse auditory brainstem neurons. European Journal of Neuroscience, 2010, 32, 1658-1667.	2.6	18
34	A Voltage-Sensitive Dye-Based Assay for the Identification of Differentiated Neurons Derived from Embryonic Neural Stem Cell Cultures. PLoS ONE, 2010, 5, e13833.	2.5	14
35	Î²-Amyloid 1-42 Oligomers Impair Function of Human Embryonic Stem Cell-Derived Forebrain Cholinergic Neurons. PLoS ONE, 2010, 5, e15600.	2.5	47
36	A transgenic mouse line for molecular genetic analysis of excitatory glutamatergic neurons. Molecular and Cellular Neurosciences, 2010, 45, 245-257.	2.2	87

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37	Kv7/KCNQ Channels Control Action Potential Phasing of Pyramidal Neurons during Hippocampal Gamma Oscillations In Vitro. Journal of Neuroscience, 2009, 29, 13353-13364.	3.6	44
38	A novel role for MNTB neuron dendrites in regulating action potential amplitude and cell excitability during repetitive firing. European Journal of Neuroscience, 2008, 27, 3095-3108.	2.6	19
39	Altered sodium currents in auditory neurons of congenitally deaf mice. European Journal of Neuroscience, 2006, 24, 1137-1146.	2.6	45
40	Topographic organization in the auditory brainstem of juvenile mice is disrupted in congenital deafness. Journal of Physiology, 2006, 571, 563-578.	2.9	92
41	Activity-dependent regulation of synaptic strength and neuronal excitability in central auditory pathways. Journal of Physiology, 2006, 572, 313-321.	2.9	51
42	Hyperpolarization-activated currents are differentially expressed in mice brainstem auditory nuclei. Journal of Physiology, 2006, 576, 849-864.	2.9	43
43	Hyperpolarization-activated (Ih) currents in auditory brainstem neurons of normal and congenitally deaf mice. European Journal of Neuroscience, 2005, 22, 147-157.	2.6	46
44	Non-random nature of spontaneous mIPSCs in mouse auditory brainstem neurons revealed by recurrence quantification analysis. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 2551-2559.	2.6	24
45	Reduced low-voltage activated K+conductances and enhanced central excitability in a congenitally deaf (dn/dn) mouse. Journal of Physiology, 2004, 559, 25-33.	2.9	63
46	Continuous wavelet transform in the evaluation of stretch reflex responses from surface EMG. Journal of Neuroscience Methods, 2004, 133, 115-125.	2.5	15
47	Differences in Glycinergic mIPSCs in the Auditory Brain Stem of Normal and Congenitally Deaf Neonatal Mice. Journal of Neurophysiology, 2004, 91, 1006-1012.	1.8	47
48	Glycinergic mIPSCs in mouse and rat brainstem auditory nuclei: modulation by ruthenium red and the role of calcium stores. Journal of Physiology, 2003, 546, 691-699.	2.9	38
49	A model of the electrically excited human cochlear neuron. II. Influence of the three-dimensional cochlear structure on neural excitability. Hearing Research, 2001, 153, 64-79.	2.0	127