

# Lucian Medrihan

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,646  
citations

331259

21  
h-index

552369

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

3091  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Defects of GABAergic Synapses in the Brain Stem of a MeCP2 Mouse Model of Rett Syndrome. <i>Journal of Neurophysiology</i> , 2008, 99, 112-121.	0.9	202
2	Rapid Conversion of Fibroblasts into Functional Forebrain GABAergic Interneurons by Direct Genetic Reprogramming. <i>Cell Stem Cell</i> , 2015, 17, 719-734.	5.2	152
3	Erythropoietin enhances hippocampal long-term potentiation and memory. <i>BMC Biology</i> , 2008, 6, 37.	1.7	129
4	5-HT <sub>7</sub> /G <sub>12</sub> Signaling Regulates Neuronal Morphology and Function in an Age-Dependent Manner. <i>Journal of Neuroscience</i> , 2012, 32, 2915-2930.	1.7	107
5	Remote control of induced dopaminergic neurons in parkinsonian rats. <i>Journal of Clinical Investigation</i> , 2014, 124, 3215-3229.	3.9	104
6	TAAR1 Modulates Cortical Glutamate NMDA Receptor Function. <i>Neuropsychopharmacology</i> , 2015, 40, 2217-2227.	2.8	98
7	Synapsin II desynchronizes neurotransmitter release at inhibitory synapses by interacting with presynaptic calcium channels. <i>Nature Communications</i> , 2013, 4, 1512.	5.8	87
8	Large-scale, high-resolution electrophysiological imaging of field potentials in brain slices with microelectronic multielectrode arrays. <i>Frontiers in Neural Circuits</i> , 2012, 6, 80.	1.4	85
9	Neurobeachin, a protein implicated in membrane protein traffic and autism, is required for the formation and functioning of central synapses. <i>Journal of Physiology</i> , 2009, 587, 5095-5106.	1.3	69
10	Synaptic and Extrasynaptic Origin of the Excitation/Inhibition Imbalance in the Hippocampus of Synapsin I/II/III Knockout Mice. <i>Cerebral Cortex</i> , 2013, 23, 581-593.	1.6	65
11	Aerobic exercise and a BDNF-mimetic therapy rescue learning and memory in a mouse model of Down syndrome. <i>Scientific Reports</i> , 2017, 7, 16825.	1.6	63
12	Kidins220/ARMS mediates the integration of the neurotrophin and VEGF pathways in the vascular and nervous systems. <i>Cell Death and Differentiation</i> , 2012, 19, 194-208.	5.0	62
13	Initiation of Behavioral Response to Antidepressants by Cholecystokinin Neurons of the Dentate Gyrus. <i>Neuron</i> , 2017, 95, 564-576.e4.	3.8	49
14	The Knockout of Synapsin II in Mice Impairs Social Behavior and Functional Connectivity Generating an ASD-like Phenotype. <i>Cerebral Cortex</i> , 2017, 27, 5014-5023.	1.6	43
15	Opposing roles for serotonin in cholinergic neurons of the ventral and dorsal striatum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 734-739.	3.3	42
16	Asynchronous GABA Release Is a Key Determinant of Tonic Inhibition and Controls Neuronal Excitability: A Study in the Synapsin II <sup>+/+</sup> Mouse. <i>Cerebral Cortex</i> , 2015, 25, 3356-3368.	1.6	41
17	Ahnak scaffolds p11/Anxa2 complex and L-type voltage-gated calcium channel and modulates depressive behavior. <i>Molecular Psychiatry</i> , 2020, 25, 1035-1049.	4.1	41
18	2 $\alpha$ -Deoxy $\alpha$ -glucose enhances tonic inhibition through the neurosteroid-mediated activation of extrasynaptic GABA <sub>A</sub> receptors. <i>Epilepsia</i> , 2016, 57, 1987-2000.	2.6	34

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19	Serotonin receptor 4 in the hippocampus modulates mood and anxiety. <i>Molecular Psychiatry</i> , 2021, 26, 2334-2349.	4.1	33
20	Emergence of 5-HT5A signaling in parvalbumin neurons mediates delayed antidepressant action. <i>Molecular Psychiatry</i> , 2020, 25, 1191-1201.	4.1	30
21	Reduced Kv3.1 Activity in Dentate Gyrus Parvalbumin Cells Induces Vulnerability to Depression. <i>Biological Psychiatry</i> , 2020, 88, 405-414.	0.7	29
22	Cell adhesion molecule L1 contributes to neuronal excitability regulating the function of voltage-gated sodium channels. <i>Journal of Cell Science</i> , 2016, 129, 1878-91.	1.2	23
23	Dentate gyrus network dysfunctions precede the symptomatic phase in a genetic mouse model of seizures. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 138.	1.8	22
24	Synaptic Competition Sculpts the Development of GABAergic Axo-Dendritic but Not Perisomatic Synapses. <i>PLoS ONE</i> , 2013, 8, e56311.	1.1	15
25	Identification of Neurensin-2 as a novel modulator of emotional behavior. <i>Molecular Psychiatry</i> , 2021, 26, 2872-2885.	4.1	11
26	Activation of the p11/SMARCA3/Neurensin-2 pathway in parvalbumin interneurons mediates the response to chronic antidepressants. <i>Molecular Psychiatry</i> , 2021, 26, 3350-3362.	4.1	7
27	Molecular and Cellular Adaptations in Hippocampal Parvalbumin Neurons Mediate Behavioral Responses to Chronic Social Stress. <i>Frontiers in Molecular Neuroscience</i> , 0, 15, .	1.4	3
28	Activation of the p11 Pathway by Antidepressants Induce AMPA Signaling. <i>Biological Psychiatry</i> , 2021, 89, S304.	0.7	0