Mariana Vargas-Caballero

List of Publications by Year
in descending order

24	1,552	567281 15	677142 22
papers	citations	h-index	g-index

27	27	27	3112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elevated amyloid beta disrupts the nanoscale organization and function of synaptic vesicle pools in hippocampal neurons. Cerebral Cortex, 2023, 33, 1263-1276.	2.9	5
2	Differential vulnerability of hippocampal CA3-CA1 synapses to AÎ². Acta Neuropathologica Communications, 2022, 10, 45.	5.2	4
3	Vagus Nerve Stimulation as a Potential Therapy in Early Alzheimerâ€™s Disease: A Review. Frontiers in Human Neuroscience, 2022, 16, 866434.	2.0	25
4	A 5â€² UTR GGN repeat controls localisation and translation of a potassium leak channel mRNA through G-quadruplex formation. Nucleic Acids Research, 2020, 48, 9822-9839.	14.5	30
5	Age-Dependent Changes in Synaptic NMDA Receptor Composition in Adult Human Cortical Neurons. Cerebral Cortex, 2020, 30, 4246-4256.	2.9	19
6	Co-culture of Murine Neurons Using a Microfluidic Device for The Study of Tau Misfolding Propagation. Bio-protocol, 2020, 10, e3718.	0.4	1
7	A primate-specific short GluN2A-NMDA receptor isoform is expressed in the human brain. Molecular Brain, 2019, 12, 64.	2.6	12
8	Tau Misfolding Efficiently Propagates between Individual Intact Hippocampal Neurons. Journal of Neuroscience, 2019, 39, 9623-9632.	3.6	34
9	Emergence of synaptic and cognitive impairment in a mature-onset APP mouse model of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2019, 7, 25.	5.2	28
10	Wild-Type, but Not Mutant N296H, Human Tau Restores AÎ²-Mediated Inhibition of LTP in Tauâ^'/â^' mice. Frontiers in Neuroscience, 2017, 11, 201.	2.8	15
11	The use of human neurons for novel drug discovery in dementia research. Expert Opinion on Drug Discovery, 2016, 11, 355-367.	5.0	12
12	Pharmacological targeting of CSF1R inhibits microglial proliferation and prevents the progression of Alzheimerâ€™s-like pathology. Brain, 2016, 139, 891-907.	7.6	389
13	Stochastic and deterministic dynamics of intrinsically irregular firing in cortical inhibitory interneurons. ELife, 2016, 5, .	6.0	26
14	Bridging Two Cultures: Minimalistic Networks Prepared by Microfluidic Arraying, and Open Access Compartments for Electrophysiology. Neuromethods, 2015, , 39-56.	0.3	0
15	Temporal dynamics of hippocampal neurogenesis in chronic neurodegeneration. Brain, 2014, 137, 2312-2328.	7.6	74
16	Tau Protein Is Required for Amyloid Î²-Induced Impairment of Hippocampal Long-Term Potentiation. Journal of Neuroscience, 2011, 31, 1688-1692.	3.6	275
17	Î±5 Subunit-containing GABAA receptors mediate a slowly decaying inhibitory synaptic current in CA1 pyramidal neurons following Schaffer collateral activation. Neuropharmacology, 2010, 58, 668-675.	4.1	44
18	Treatment of inflammatory and neuropathic pain by uncoupling Src from the NMDA receptor complex. Nature Medicine, 2008, 14, 1325-1332.	30.7	195

#	Article	IF	Citations
19	In situ measurement of the electrical potential across the phagosomal membrane using FRET and its contribution to the proton-motive force. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9523-9528.	7.1	78
20	Visual stimuliâ€“induced LTD of GABAergic synapses mediated by presynaptic NMDA receptors. Nature Neuroscience, 2006, 9, 372-380.	14.8	98
21	Fast and Slow Voltage-Dependent Dynamics of Magnesium Block in the NMDA Receptor: The Asymmetric Trapping Block Model. Journal of Neuroscience, 2004, 24, 6171-6180.	3.6	86
22	Synaptic Integration in Electrically Coupled Neurons. Biophysical Journal, 2004, 86, 646-655.	0.5	28
23	A Slow Fraction of Mg2+ Unblock of NMDA Receptors Limits Their Contribution to Spike Generation in Cortical Pyramidal Neurons. Journal of Neurophysiology, 2003, 89, 2778-2783.	1.8	43
24	Spread of synaptic potentials through electrical synapses in Retzius neurones of the leech. Journal of Experimental Biology, 2001, 204, 3241-3250.	1.7	29