Nikolai Otmakhov

List of Publications by Year
in descending order

17 papers	1,609 citations	623734 14 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1842 citing authors

#	Article	IF	Citations
1	CaMKII inhibitor 1 (CaMK2N1) mRNA is upregulated following LTP induction in hippocampal slices. Synapse, 2020, 74, e22158.	1.2	8
2	Memories of John Lisman. Frontiers in Neural Circuits, 2018, 12, .	2.8	1
3	Excitotoxic Insult Results in a Long-Lasting Activation of CaMKIIÎ± and Mitochondrial Damage in Living Hippocampal Neurons. PLoS ONE, 2015, 10, e0120881.	2.5	9
4	Fast Decay of CaMKII FRET Sensor Signal in Spines after LTP Induction Is Not Due to Its Dephosphorylation. PLoS ONE, 2015, 10, e0130457.	2.5	19
5	Measuring CaMKII concentration in dendritic spines. Journal of Neuroscience Methods, 2012, 203, 106-114.	2.5	27
6	Role of the CaMKII/NMDA Receptor Complex in the Maintenance of Synaptic Strength. Journal of Neuroscience, 2011, 31, 9170-9178.	3.6	220
7	Autonomous CaMKII Can Promote either Long-Term Potentiation or Long-Term Depression, Depending on the State of T305/T306 Phosphorylation. Journal of Neuroscience, 2010, 30, 8704-8709.	3.6	114
8	CaMKII control of spine size and synaptic strength: Role of phosphorylation states and nonenzymatic action. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14437-14442.	7.1	80
9	Synaptic Strength of Individual Spines Correlates with Bound Ca2+ Calmodulin-Dependent Kinase II. Journal of Neuroscience, 2007, 27, 14007-14011.	3.6	87
10	Forskolin-Induced LTP in the CA1 Hippocampal Region Is NMDA Receptor Dependent. Journal of Neurophysiology, 2004, 91, 1955-1962.	1.8	220
11	Persistent Accumulation of Calcium/Calmodulin-Dependent Protein Kinase II in Dendritic Spines after Induction of NMDA Receptor-Dependent Chemical Long-Term Potentiation. Journal of Neuroscience, 2004, 24, 9324-9331.	3.6	239
12	Postsynaptic Application of a cAMP Analogue Reverses Long-Term Potentiation in Hippocampal CA1 Pyramidal Neurons. Journal of Neurophysiology, 2002, 87, 3018-3032.	1.8	20
13	Pathway-Specific Properties of AMPA and NMDA-Mediated Transmission in CA1 Hippocampal Pyramidal Cells. Journal of Neuroscience, 2002, 22, 1199-1207.	3.6	106
14	Is Persistent Activity of Calcium/Calmodulin-Dependent Kinase Required for the Maintenance of LTP?. Journal of Neurophysiology, 2001, 85, 1368-1376.	1.8	109
15	Inhibition of the cAMP Pathway Decreases Early Long-Term Potentiation at CA1 Hippocampal Synapses. Journal of Neuroscience, 2000, 20, 4446-4451.	3.6	114
16	Requirements for LTP Induction by Pairing in Hippocampal CA1 Pyramidal Cells. Journal of Neurophysiology, 1999, 82, 526-532.	1.8	54
17	Postsynaptic Inhibitors of Calcium/Calmodulin-Dependent Protein Kinase Type II Block Induction But Not Maintenance of Pairing-Induced Long-Term Potentiation. Journal of Neuroscience, 1997, 17, 5357-5365.	3.6	182