

Nikolai Otmakhov

List of Publications by Year in descending order

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