Chiaki Itami

List of Publications by Year
in descending order

14 papers	850 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	1349 citing authors

#	Article	IF	Citations
1	Change of conduction velocity by regional myelination yields constant latency irrespective of distance between thalamus and cortex. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6174-6179.	7.1	261
2	BDNF pro-peptide actions facilitate hippocampal LTD and are altered by the common BDNF polymorphism Val66Met. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3067-74.	7.1	113
3	Brain-derived neurotrophic factor-dependent unmasking of "silent" synapses in the developing mouse barrel cortex. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13069-13074.	7.1	98
4	Brain-Derived Neurotrophic Factor Regulates the Maturation of Layer 4 Fast-Spiking Cells after the Second Postnatal Week in the Developing Barrel Cortex. Journal of Neuroscience, 2007, 27, 2241-2252.	3.6	83
5	Inhibitory But Not Excitatory Cortical Neurons Require Presynaptic Brain-Derived Neurotrophic Factor for Dendritic Development, as Revealed by Chimera Cell Culture. Journal of Neuroscience, 2003, 23, 6123-6131.	3.6	68
6	Myelination and isochronicity in neural networks. Frontiers in Neuroanatomy, 2009, 3, 12.	1.7	50
7	Brain-derived neurotrophic factor requirement for activity-dependent maturation of glutamatergic synapse in developing mouse somatosensory cortex. Brain Research, 2000, 857, 141-150.	2.2	44
8	Fast activation of feedforward inhibitory neurons from thalamic input and its relevance to the regulation of spike sequences in the barrel cortex. Journal of Physiology, 2010, 588, 2769-2787.	2.9	35
9	Developmental Switch in Spike Timing-Dependent Plasticity at Layers 4â€“2/3 in the Rodent Barrel Cortex. Journal of Neuroscience, 2012, 32, 15000-15011.	3.6	32
10	Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex. Journal of Neuroscience, 2016, 36, 7039-7054.	3.6	18
11	The Î±_{2A}â€adrenoceptor suppresses excitatory synaptic transmission to both excitatory and inhibitory neurons in layer 4 barrel cortex. Journal of Physiology, 2017, 595, 6923-6937.	2.9	15
12	Improved data processing for optical imaging of developing neuronal connectivity in the neonatal mouse barrel cortex. Brain Research Protocols, 2001, 7, 103-114.	1.6	13
13	A Hypothetical Model Concerning How Spike-Timing-Dependent Plasticity Contributes to Neural Circuit Formation and Initiation of the Critical Period in Barrel Cortex. Journal of Neuroscience, 2019, 39, 3784-3791.	3.6	11
14	Concurrently induced plasticity due to convergence of distinct forms of spike timingâ€dependent plasticity in the developing barrel cortex. European Journal of Neuroscience, 2016, 44, 2984-2990.	2.6	9