Karri P Lamsa

List of Publications by Year
in descending order

35 papers	4,549 citations	218677 26 h-index	361022 35 g-index
38 all docs	38 docs citations	38 times ranked	4473 citing authors

#	Article	IF	Citations
1	Robust perisomatic GABAergic self-innervation inhibits basket cells in the human and mouse supragranular neocortex. ELife, 2020, 9, .	6.0	25
2	Long-term plasticity of hippocampal interneurons during in vivo memory processes. Current Opinion in Neurobiology, 2019, 54, 20-27.	4.2	22
3	Neuregulin 1 Type I Overexpression Is Associated with Reduced NMDA Receptorâ€“Mediated Synaptic Signaling in Hippocampal Interneurons Expressing PV or CCK. ENeuro, 2018, 5, ENEURO.0418-17.2018.	1.9	27
4	Long-term plasticity in identified hippocampal GABAergic interneurons in the CA1 area in vivo. Brain Structure and Function, 2017, 222, 1809-1827.	2.3	22
5	Deficiency of Cks1 Leads to Learning and Long-Term Memory Defects and p27 Dependent Formation of Neuronal Cofilin Aggregates. Cerebral Cortex, 2017, 27, 11-23.	2.9	14
6	High-Precision Fast-Spiking Basket Cell Discharges during Complex Events in the Human Neocortex. ENeuro, 2017, 4, ENEURO.0260-17.2017.	1.9	30
7	Adenosine A₁Receptor Suppresses Tonic GABA_AReceptor Currents in Hippocampal Pyramidal Cells and in a Defined Subpopulation of Interneurons. Cerebral Cortex, 2016, 26, 1081-1095.	2.9	41
8	Plasticity in Single Axon Glutamatergic Connection to GABAergic Interneurons Regulates Complex Events in the Human Neocortex. PLoS Biology, 2016, 14, e2000237.	5.6	55
9	Synaptic mechanisms of adenosine A_{2A} receptorâ€mediated hyperexcitability in the hippocampus. Hippocampus, 2015, 25, 566-580.	1.9	49
10	Excitatory Effects of Parvalbumin-Expressing Interneurons Maintain Hippocampal Epileptiform Activity via Synchronous Afterdischarges. Journal of Neuroscience, 2014, 34, 15208-15222.	3.6	160
11	Transgenic Overexpression of the Type I Isoform of Neuregulin 1 Affects Working Memory and Hippocampal Oscillations but not Long-term Potentiation. Cerebral Cortex, 2012, 22, 1520-1529.	2.9	68
12	Calcium-Permeable AMPA Receptors Provide a Common Mechanism for LTP in Glutamatergic Synapses of Distinct Hippocampal Interneuron Types. Journal of Neuroscience, 2012, 32, 6511-6516.	3.6	64
13	Genetic mouse models relevant to schizophrenia: Taking stock and looking forward. Neuropharmacology, 2012, 62, 1164-1167.	4.1	18
14	Molecular analysis of ivy cells of the hippocampal CA1 stratum radiatum using spectral identification of immunofluorophores. Frontiers in Neural Circuits, 2012, 6, 35.	2.8	15
15	LTP and LTD in cortical GABAergic interneurons: Emerging rules and roles. Neuropharmacology, 2011, 60, 712-719.	4.1	83
16	Interneurons go plastic. Neuropharmacology, 2011, 60, 711.	4.1	5
17	Spike-timing dependent plasticity in inhibitory circuits. Frontiers in Synaptic Neuroscience, 2010, 2, 8.	2.5	61
18	Cell Type-Specific Long-Term Plasticity at Glutamatergic Synapses onto Hippocampal Interneurons Expressing either Parvalbumin or CB₁Cannabinoid Receptor. Journal of Neuroscience, 2010, 30, 1337-1347.	3.6	96

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19	Role of Ionotropic Glutamate Receptors in Long-Term Potentiation in Rat Hippocampal CA1 Oriens-Lacunosum Moleculare Interneurons. Journal of Neuroscience, 2009, 29, 939-950.	3.6	85
20	Roles of distinct glutamate receptors in induction of antiâ€Hebbian longâ€term potentiation. Journal of Physiology, 2008, 586, 1481-1486.	2.9	40
21	Anti-Hebbian Long-Term Potentiation in the Hippocampal Feedback Inhibitory Circuit. Science, 2007, 315, 1262-1266.	12.6	219
22	NMDA receptorâ€dependent longâ€term potentiation in mouse hippocampal interneurons shows a unique dependence on Ca²⁺/calmodulinâ€dependent kinases. Journal of Physiology, 2007, 584, 885-894.	2.9	56
23	Long-term synaptic plasticity in hippocampal interneurons. Nature Reviews Neuroscience, 2007, 8, 687-699.	10.2	270
24	Hebbian LTP in feed-forward inhibitory interneurons and the temporal fidelity of input discrimination. Nature Neuroscience, 2005, 8, 916-924.	14.8	149
25	Activity blockade increases the number of functional synapses in the hippocampus of newborn rats. Molecular and Cellular Neurosciences, 2003, 22, 107-117.	2.2	52
26	Use-Dependent Shift From Inhibitory to Excitatory GABAA Receptor Action in SP-O Interneurons in the Rat Hippocampal CA3 Area. Journal of Neurophysiology, 2003, 90, 1983-1995.	1.8	66
27	Fast Network Oscillations in the Newborn Rat HippocampusIn Vitro. Journal of Neuroscience, 2000, 20, 1170-1178.	3.6	65
28	Synaptic GABA_A Activation Inhibits AMPA-Kainate Receptorâ€“Mediated Bursting in the Newborn (<i>P0â€“P2</i>) Rat Hippocampus. Journal of Neurophysiology, 2000, 83, 359-366.	1.8	107
29	Synaptic Activation of GABAA Receptors Induces Neuronal Uptake of Ca2+ in Adult Rat Hippocampal Slices. Journal of Neurophysiology, 1999, 81, 811-816.	1.8	29
30	Maturation of kainate-induced epileptiform activities in interconnected intact neonatal limbic structures in vitro. European Journal of Neuroscience, 1999, 11, 3468-3480.	2.6	50
31	The K+/Clâˆ’ co-transporter KCC2 renders GABA hyperpolarizing during neuronal maturation. Nature, 1999, 397, 251-255.	27.8	1,892
32	A Novel In Vitro Preparation: the Intact Hippocampal Formation. Neuron, 1997, 19, 743-749.	8.1	136
33	Ionic Mechanisms of Spontaneous GABAergic Events in Rat Hippocampal Slices Exposed to 4-Aminopyridine. Journal of Neurophysiology, 1997, 78, 2582-2591.	1.8	84
34	Long-Lasting GABA-Mediated Depolarization Evoked by High-Frequency Stimulation in Pyramidal Neurons of Rat Hippocampal Slice Is Attributable to a Network-Driven, Bicarbonate-Dependent K⁺Transient. Journal of Neuroscience, 1997, 17, 7662-7672.	3.6	299
35	Posttetanic Excitation Mediated by GABA_A Receptors in Rat CA1 Pyramidal Neurons. Journal of Neurophysiology, 1997, 77, 2213-2218.	1.8	93