

Karri P Lamsa

List of Publications by Year in descending order

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35
papers

4,549
citations

218677

26
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361022

35
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38
docs citations

38
times ranked

4473
citing authors

#	ARTICLE	IF	CITATIONS
1	The K ⁺ /Cl ⁻ co-transporter KCC2 renders GABA hyperpolarizing during neuronal maturation. <i>Nature</i> , 1999, 397, 251-255.	27.8	1,892
2	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. <i>Journal of Neuroscience</i> , 1997, 17, 7662-7672.	3.6	299
3	Long-term synaptic plasticity in hippocampal interneurons. <i>Nature Reviews Neuroscience</i> , 2007, 8, 687-699.	10.2	270
4	Anti-Hebbian Long-Term Potentiation in the Hippocampal Feedback Inhibitory Circuit. <i>Science</i> , 2007, 315, 1262-1266.	12.6	219
5	Excitatory Effects of Parvalbumin-Expressing Interneurons Maintain Hippocampal Epileptiform Activity via Synchronous Afterdischarges. <i>Journal of Neuroscience</i> , 2014, 34, 15208-15222.	3.6	160
6	Hebbian LTP in feed-forward inhibitory interneurons and the temporal fidelity of input discrimination. <i>Nature Neuroscience</i> , 2005, 8, 916-924.	14.8	149
7	A Novel In Vitro Preparation: the Intact Hippocampal Formation. <i>Neuron</i> , 1997, 19, 743-749.	8.1	136
8	Synaptic GABA _A Activation Inhibits AMPA-Kainate Receptor-Mediated Bursting in the Newborn (P2) Rat Hippocampus. <i>Journal of Neurophysiology</i> , 2000, 83, 359-366.	1.8	107
9	Cell Type-Specific Long-Term Plasticity at Glutamatergic Synapses onto Hippocampal Interneurons Expressing either Parvalbumin or CB ₁ Cannabinoid Receptor. <i>Journal of Neuroscience</i> , 2010, 30, 1337-1347.	3.6	96
10	Posttetanic Excitation Mediated by GABA _A Receptors in Rat CA1 Pyramidal Neurons. <i>Journal of Neurophysiology</i> , 1997, 77, 2213-2218.	1.8	93
11	Role of Ionotropic Glutamate Receptors in Long-Term Potentiation in Rat Hippocampal CA1 Oriens-Lacunosum Moleculare Interneurons. <i>Journal of Neuroscience</i> , 2009, 29, 939-950.	3.6	85
12	Ionic Mechanisms of Spontaneous GABAergic Events in Rat Hippocampal Slices Exposed to 4-Aminopyridine. <i>Journal of Neurophysiology</i> , 1997, 78, 2582-2591.	1.8	84
13	LTP and LTD in cortical GABAergic interneurons: Emerging rules and roles. <i>Neuropharmacology</i> , 2011, 60, 712-719.	4.1	83
14	Transgenic Overexpression of the Type I Isoform of Neuregulin 1 Affects Working Memory and Hippocampal Oscillations but not Long-term Potentiation. <i>Cerebral Cortex</i> , 2012, 22, 1520-1529.	2.9	68
15	Use-Dependent Shift From Inhibitory to Excitatory GABA _A Receptor Action in SP-O Interneurons in the Rat Hippocampal CA3 Area. <i>Journal of Neurophysiology</i> , 2003, 90, 1983-1995.	1.8	66
16	Fast Network Oscillations in the Newborn Rat Hippocampus In Vitro. <i>Journal of Neuroscience</i> , 2000, 20, 1170-1178.	3.6	65
17	Calcium-Permeable AMPA Receptors Provide a Common Mechanism for LTP in Glutamatergic Synapses of Distinct Hippocampal Interneuron Types. <i>Journal of Neuroscience</i> , 2012, 32, 6511-6516.	3.6	64
18	Spike-timing dependent plasticity in inhibitory circuits. <i>Frontiers in Synaptic Neuroscience</i> , 2010, 2, 8.	2.5	61

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19	NMDA receptorâ€dependent longâ€term potentiation in mouse hippocampal interneurons shows a unique dependence on Ca ²⁺ /calmodulinâ€dependent kinases. <i>Journal of Physiology</i> , 2007, 584, 885-894.	2.9	56
20	Plasticity in Single Axon Glutamatergic Connection to GABAergic Interneurons Regulates Complex Events in the Human Neocortex. <i>PLoS Biology</i> , 2016, 14, e2000237.	5.6	55
21	Activity blockade increases the number of functional synapses in the hippocampus of newborn rats. <i>Molecular and Cellular Neurosciences</i> , 2003, 22, 107-117.	2.2	52
22	Maturation of kainate-induced epileptiform activities in interconnected intact neonatal limbic structures in vitro. <i>European Journal of Neuroscience</i> , 1999, 11, 3468-3480.	2.6	50
23	Synaptic mechanisms of adenosine A _{2A} receptorâ€mediated hyperexcitability in the hippocampus. <i>Hippocampus</i> , 2015, 25, 566-580.	1.9	49
24	Adenosine A ₁ Receptor Suppresses Tonic GABA _A Receptor Currents in Hippocampal Pyramidal Cells and in a Defined Subpopulation of Interneurons. <i>Cerebral Cortex</i> , 2016, 26, 1081-1095.	2.9	41
25	Roles of distinct glutamate receptors in induction of antiâ€Hebbian longâ€term potentiation. <i>Journal of Physiology</i> , 2008, 586, 1481-1486.	2.9	40
26	High-Precision Fast-Spiking Basket Cell Discharges during Complex Events in the Human Neocortex. <i>ENeuro</i> , 2017, 4, ENEURO.0260-17.2017.	1.9	30
27	Synaptic Activation of GABA _A Receptors Induces Neuronal Uptake of Ca ²⁺ in Adult Rat Hippocampal Slices. <i>Journal of Neurophysiology</i> , 1999, 81, 811-816.	1.8	29
28	Neuregulin 1 Type I Overexpression Is Associated with Reduced NMDA Receptorâ€Mediated Synaptic Signaling in Hippocampal Interneurons Expressing PV or CCK. <i>ENeuro</i> , 2018, 5, ENEURO.0418-17.2018.	1.9	27
29	Robust perisomatic GABAergic self-innervation inhibits basket cells in the human and mouse supragranular neocortex. <i>ELife</i> , 2020, 9, .	6.0	25
30	Long-term plasticity in identified hippocampal GABAergic interneurons in the CA1 area in vivo. <i>Brain Structure and Function</i> , 2017, 222, 1809-1827.	2.3	22
31	Long-term plasticity of hippocampal interneurons during in vivo memory processes. <i>Current Opinion in Neurobiology</i> , 2019, 54, 20-27.	4.2	22
32	Genetic mouse models relevant to schizophrenia: Taking stock and looking forward. <i>Neuropharmacology</i> , 2012, 62, 1164-1167.	4.1	18
33	Molecular analysis of ivy cells of the hippocampal CA1 stratum radiatum using spectral identification of immunofluorophores. <i>Frontiers in Neural Circuits</i> , 2012, 6, 35.	2.8	15
34	Deficiency of Cks1 Leads to Learning and Long-Term Memory Defects and p27 Dependent Formation of Neuronal Cofilin Aggregates. <i>Cerebral Cortex</i> , 2017, 27, 11-23.	2.9	14
35	Interneurons go plastic. <i>Neuropharmacology</i> , 2011, 60, 711.	4.1	5