Akari Hagiwara

List of Publications by Year
in descending order

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24	1,463	516710	610901
papers	citations	16 h-index	24 g-index

26	26	26	2111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An engineered channelrhodopsin optimized for axon terminal activation and circuit mapping. Communications Biology, 2021, 4, 461.	4.4	14
2	Planar cell polarity protein Vangl2 and its interacting protein Ap2m1 regulate dendritic branching in cortical neurons. Genes To Cells, 2021, 26, 987-998.	1.2	5
3	Impaired experience-dependent maternal care in presynaptic active zone protein CAST-deficient dams. Scientific Reports, 2020, 10, 5238.	3.3	1
4	Double deletion of the active zone proteins CAST/ELKS in the mouse forebrain causes high mortality of newborn pups. Molecular Brain, 2020, 13, 13.	2.6	0
5	Cytomatrix proteins CAST and ELKS regulate retinal photoreceptor development and maintenance. Journal of Cell Biology, 2018, 217, 3993-4006.	5.2	32
6	CAST/ELKS Proteins Control Voltage-Gated Ca2+ Channel Density and Synaptic Release Probability at a Mammalian Central Synapse. Cell Reports, 2018, 24, 284-293.e6.	6.4	57
7	SADâ€B kinase regulates preâ€synaptic vesicular dynamics at hippocampal Schaffer collateral synapses and affects contextual fear memory. Journal of Neurochemistry, 2016, 136, 36-47.	3.9	10
8	SAD-B Phosphorylation of CAST Controls Active Zone Vesicle Recycling for Synaptic Depression. Cell Reports, 2016, 16, 2901-2913.	6.4	17
9	The planar cell polarity protein Vangl2 bidirectionally regulates dendritic branching in cultured hippocampal neurons. Molecular Brain, 2014, 7, 79.	2.6	22
10	Vangl2, the planner cell polarity protein, is complexed with postsynaptic density protein PSDâ€95. FEBS Letters, 2013, 587, 1453-1459.	2.8	24
11	Physical and functional interaction of the active zone protein CAST/ERC2 and the Â-subunit of the voltage-dependent Ca2+ channel. Journal of Biochemistry, 2012, 152, 149-159.	1.7	56
12	Deletion of the Presynaptic Scaffold CAST Reduces Active Zone Size in Rod Photoreceptors and Impairs Visual Processing. Journal of Neuroscience, 2012, 32, 12192-12203.	3.6	77
13	Optophysiological analysis of associational circuits in the olfactory cortex. Frontiers in Neural Circuits, 2012, 6, 18.	2.8	64
14	Distribution of serine/threonine kinase SAD-B in mouse peripheral nerve synapse. NeuroReport, 2011, 22, 319-325.	1.2	7
15	Submembranous septins as relatively stable components of actinâ€based membrane skeleton. Cytoskeleton, 2011, 68, 512-525.	2.0	64
16	Prickle2 is localized in the postsynaptic density and interacts with PSD-95 and NMDA receptors in the brain. Journal of Biochemistry, 2011, 149, 693-700.	1.7	32
17	Non-redundant odor coding by sister mitral cells revealed by light addressable glomeruli in the mouse. Nature Neuroscience, 2010, 13, 1404-1412.	14.8	214
18	Serotonergic modulation of odor input to the mammalian olfactory bulb. Nature Neuroscience, 2009, 12, 784-791.	14.8	193

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19	Fibulin-5/DANCE has an elastogenic organizer activity that is abrogated by proteolytic cleavage in vivo. Journal of Cell Biology, 2007, 176, 1061-1071.	5.2	153
20	Sept4, a Component of Presynaptic Scaffold and Lewy Bodies, Is Required for the Suppression of Î±-Synuclein Neurotoxicity. Neuron, 2007, 53, 519-533.	8.1	156
21	Differential distribution of release-related proteins in the hippocampal CA3 area as revealed by freeze-fracture replica labeling. Journal of Comparative Neurology, 2005, 489, 195-216.	1.6	89
22	Immunocytochemical localization of the alpha1A subunit of the P/Q-type calcium channel in the rat cerebellum. European Journal of Neuroscience, 2004, 19, 2169-2178.	2.6	83
23	Neuronal Apoptosis by Apolipoprotein E4 through Low-Density Lipoprotein Receptor-Related Protein and Heterotrimeric GTPases. Journal of Neuroscience, 2000, 20, 8401-8409.	3.6	80
24	Neuronal Cell Apoptosis by a Receptor-Binding Domain Peptide of ApoE4, Not through Low-Density Lipoprotein Receptor-Related Protein. Biochemical and Biophysical Research Communications, 2000, 278, 633-639.	2.1	12