

Akari Hagiwara

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,463
citations

516710

16
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2111
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-redundant odor coding by sister mitral cells revealed by light addressable glomeruli in the mouse. <i>Nature Neuroscience</i> , 2010, 13, 1404-1412.	14.8	214
2	Serotonergic modulation of odor input to the mammalian olfactory bulb. <i>Nature Neuroscience</i> , 2009, 12, 784-791.	14.8	193
3	Sept4, a Component of Presynaptic Scaffold and Lewy Bodies, Is Required for the Suppression of β -Synuclein Neurotoxicity. <i>Neuron</i> , 2007, 53, 519-533.	8.1	156
4	Fibulin-5/DANCE has an elastogenic organizer activity that is abrogated by proteolytic cleavage in vivo. <i>Journal of Cell Biology</i> , 2007, 176, 1061-1071.	5.2	153
5	Differential distribution of release-related proteins in the hippocampal CA3 area as revealed by freeze-fracture replica labeling. <i>Journal of Comparative Neurology</i> , 2005, 489, 195-216.	1.6	89
6	Immunocytochemical localization of the α 1A subunit of the P/Q-type calcium channel in the rat cerebellum. <i>European Journal of Neuroscience</i> , 2004, 19, 2169-2178.	2.6	83
7	Neuronal Apoptosis by Apolipoprotein E4 through Low-Density Lipoprotein Receptor-Related Protein and Heterotrimeric GTPases. <i>Journal of Neuroscience</i> , 2000, 20, 8401-8409.	3.6	80
8	Deletion of the Presynaptic Scaffold CAST Reduces Active Zone Size in Rod Photoreceptors and Impairs Visual Processing. <i>Journal of Neuroscience</i> , 2012, 32, 12192-12203.	3.6	77
9	Submembranous septins as relatively stable components of actin-based membrane skeleton. <i>Cytoskeleton</i> , 2011, 68, 512-525.	2.0	64
10	Optophysiological analysis of associational circuits in the olfactory cortex. <i>Frontiers in Neural Circuits</i> , 2012, 6, 18.	2.8	64
11	CAST/ELKS Proteins Control Voltage-Gated Ca^{2+} Channel Density and Synaptic Release Probability at a Mammalian Central Synapse. <i>Cell Reports</i> , 2018, 24, 284-293.e6.	6.4	57
12	Physical and functional interaction of the active zone protein CAST/ERC2 and the $\hat{\text{A}}$ -subunit of the voltage-dependent Ca^{2+} channel. <i>Journal of Biochemistry</i> , 2012, 152, 149-159.	1.7	56
13	Prickle2 is localized in the postsynaptic density and interacts with PSD-95 and NMDA receptors in the brain. <i>Journal of Biochemistry</i> , 2011, 149, 693-700.	1.7	32
14	Cytomatrix proteins CAST and ELKS regulate retinal photoreceptor development and maintenance. <i>Journal of Cell Biology</i> , 2018, 217, 3993-4006.	5.2	32
15	Vangl2, the planner cell polarity protein, is complexed with postsynaptic density protein PSD-95. <i>FEBS Letters</i> , 2013, 587, 1453-1459.	2.8	24
16	The planar cell polarity protein Vangl2 bidirectionally regulates dendritic branching in cultured hippocampal neurons. <i>Molecular Brain</i> , 2014, 7, 79.	2.6	22
17	SAD-B Phosphorylation of CAST Controls Active Zone Vesicle Recycling for Synaptic Depression. <i>Cell Reports</i> , 2016, 16, 2901-2913.	6.4	17
18	An engineered channelrhodopsin optimized for axon terminal activation and circuit mapping. <i>Communications Biology</i> , 2021, 4, 461.	4.4	14

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19	Neuronal Cell Apoptosis by a Receptor-Binding Domain Peptide of ApoE4, Not through Low-Density Lipoprotein Receptor-Related Protein. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 633-639.	2.1	12
20	SAD-B kinase regulates pre-synaptic vesicular dynamics at hippocampal Schaffer collateral synapses and affects contextual fear memory. <i>Journal of Neurochemistry</i> , 2016, 136, 36-47.	3.9	10
21	Distribution of serine/threonine kinase SAD-B in mouse peripheral nerve synapse. <i>NeuroReport</i> , 2011, 22, 319-325.	1.2	7
22	Planar cell polarity protein Vangl2 and its interacting protein Ap2m1 regulate dendritic branching in cortical neurons. <i>Genes To Cells</i> , 2021, 26, 987-998.	1.2	5
23	Impaired experience-dependent maternal care in presynaptic active zone protein CAST-deficient dams. <i>Scientific Reports</i> , 2020, 10, 5238.	3.3	1
24	Double deletion of the active zone proteins CAST/ELKS in the mouse forebrain causes high mortality of newborn pups. <i>Molecular Brain</i> , 2020, 13, 13.	2.6	0