Haruyuki Kamiya

List of Publications by Year
in descending order

51	3,833	236925 25	206112 48
papers	citations	h-index	g-index

52	52	52	4102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glutamate receptors in the mammalian central nervous system. Progress in Neurobiology, 1998, 54, 581-618.	5.7	960
2	Residual Ca2 + and short-term synaptic plasticity. Nature, 1994, 371, 603-606.	27.8	322
3	Activation of metabotropic glutamate receptor type 2/3 suppresses transmission at rat hippocampal mossy fibre synapses.. Journal of Physiology, 1996, 493, 447-455.	2.9	309
4	Localization of Diacylglycerol Lipase-Â around Postsynaptic Spine Suggests Close Proximity between Production Site of an Endocannabinoid, 2-Arachidonoyl-glycerol, and Presynaptic Cannabinoid CB1 Receptor. Journal of Neuroscience, 2006, 26, 4740-4751.	3.6	302
5	Interactions between Plexin-A2, Plexin-A4, and Semaphorin 6A Control Lamina-Restricted Projection of Hippocampal Mossy Fibers. Neuron, 2007, 53, 535-547.	8.1	179
6	Kainate receptorâ€mediated presynaptic inhibition at the mouse hippocampal mossy fibre synapse. Journal of Physiology, 2000, 523, 653-665.	2.9	163
7	NMDA Receptor GluN2B (GluRÎµ2/NR2B) Subunit Is Crucial for Channel Function, Postsynaptic Macromolecular Organization, and Actin Cytoskeleton at Hippocampal CA3 Synapses. Journal of Neuroscience, 2009, 29, 10869-10882.	3.6	138
8	Kainate receptor-mediated inhibition of presynaptic Ca2+influx and EPSP in area CA1 of the rat hippocampus. Journal of Physiology, 1998, 509, 833-845.	2.9	135
9	Abundant distribution of TARP Î³-8 in synaptic and extrasynaptic surface of hippocampal neurons and its major role in AMPA receptor expression on spines and dendrites. European Journal of Neuroscience, 2006, 24, 2177-2190.	2.6	126
10	Defective function of GABA-containing synaptic vesicles in mice lacking the AP-3B clathrin adaptor. Journal of Cell Biology, 2004, 167, 293-302.	5.2	102
11	Synthetic Ï‰-conotoxin blocks synaptic transmission in the hippocampus in vitro. Neuroscience Letters, 1988, 91, 84-88.	2.1	93
12	Specification of the Retinal Fate of Mouse Embryonic Stem Cells by Ectopic Expression of <i>Rx/rax</i>, a Homeobox Gene. Molecular and Cellular Biology, 2004, 24, 4513-4521.	2.3	82
13	Rab3 GTPase-activating protein regulates synaptic transmission and plasticity through the inactivation of Rab3. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10029-10034.	7.1	82
14	Role of Rab GDP dissociation inhibitor Î± in regulating plasticity of hippocampal neurotransmission. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11587-11592.	7.1	73
15	Dual mechanism for presynaptic modulation by axonal metabotropic glutamate receptor at the mouse mossy fibre-CA3 synapse. Journal of Physiology, 1999, 518, 497-506.	2.9	72
16	A metabotropic glutamate receptor agonist DCG-IV suppresses synaptic transmission at mossy fiber pathway of the guinea pig hippocampus. Neuroscience Letters, 1996, 207, 70-72.	2.1	69
17	Kainate Receptor-Dependent Short-Term Plasticity of Presynaptic Ca2+Influx at the Hippocampal Mossy Fiber Synapses. Journal of Neuroscience, 2002, 22, 9237-9243.	3.6	66
18	Use-dependent amplification of presynaptic Ca ²⁺ signaling by axonal ryanodine receptors at the hippocampal mossy fiber synapse. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11998-12003.	7.1	55

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19	Presynaptic Ca²⁺Entry Is Unchanged during Hippocampal Mossy Fiber Long-Term Potentiation. Journal of Neuroscience, 2002, 22, 10524-10528.	3.6	54
20	Evidence against GABA Release from Glutamatergic Mossy Fiber Terminals in the Developing Hippocampus. Journal of Neuroscience, 2007, 27, 8088-8100.	3.6	49
21	Synapse-specific effects of IL-1Î² on long-term potentiation in the mouse hippocampus . Biomedical Research, 2017, 38, 183-188.	0.9	44
22	Reâ€evaluation of phorbol esterâ€induced potentiation of transmitter release from mossy fibre terminals of the mouse hippocampus. Journal of Physiology, 2000, 529, 763-776.	2.9	39
23	Phorbol ester and forskolin suppress the presynaptic inhibitory action of group-II metabotropic glutamate receptor at rat hippocampal mossy fibre synapse. Neuroscience, 1997, 80, 89-94.	2.3	38
24	Suppression of presynaptic calcium influx by metabotropic glutamate receptor agonists in neonatal rat hippocampus. Brain Research, 1995, 695, 179-185.	2.2	31
25	Kainate receptor-dependent presynaptic modulation and plasticity. Neuroscience Research, 2002, 42, 1-6.	1.9	30
26	Quantal components of the synaptic potential induced in hippocampal neurons by activation of granule cells, and the effect of 2-amino-4-phosphonobutyric acid. Hippocampus, 1991, 1, 93-106.	1.9	24
27	Some pharmacological differences between hippocampal excitatory and inhibitory synapses in transmitter release: An in vitro study. Synapse, 1991, 8, 229-235.	1.2	23
28	Enhancement of postsynaptic responsiveness during long-term potentiation of mossy fiber synapses in guinea pig hippocampus. Neuroscience Letters, 1992, 138, 111-114.	2.1	22
29	Additive feature of long-term potentiation and phorbol ester-induced synaptic enhancement in the mossy fiber-CA3 synapse. Experimental Neurology, 1988, 102, 314-317.	4.1	18
30	Persistent enhancement of transmitter release accompanying long-term potentiation in the guinea pig hippocampus. Neuroscience Letters, 1991, 130, 259-262.	2.1	11
31	Long-lasting potentiation of synaptic transmission in the schaffer collateral-commissural pathway of the guinea pig hippocampus by activation of postsynaptic N-methyl-D-aspartate receptor. Synapse, 1993, 13, 186-194.	1.2	11
32	Excitability tuning of axons in the central nervous system. Journal of Physiological Sciences, 2016, 66, 189-196.	2.1	11
33	Differential effects of phorbol ester on AMPA and NMDA components of excitatory postsynaptic currents in dentate neurons of rat hippocampal slices. Neuroscience Research, 1997, 29, 171-179.	1.9	9
34	Photochemical Inactivation Analysis of Temporal Dynamics of Postsynaptic Native AMPA Receptors in Hippocampal Slices. Journal of Neuroscience, 2012, 32, 6517-6524.	3.6	9
35	Serotonergic modulation of inhibitory synaptic transmission in mouse inferiorcolliculus. Biomedical Research, 2014, 35, 81-84.	0.9	9
36	Sodium Channelâ€"Dependent and â€"Independent Mechanisms Underlying Axonal Afterdepolarization at Mouse Hippocampal Mossy Fibers. ENeuro, 2018, 5, ENEURO.0254-18.2018.	1.9	9

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37	PSD-95 regulates synaptic kainate receptors at mouse hippocampal mossy fiber-CA3 synapses. Neuroscience Research, 2016, 107, 14-19.	1.9	8
38	Short-Term Depression of Axonal Spikes at the Mouse Hippocampal Mossy Fibers and Sodium Channel-Dependent Modulation. ENeuro, 2018, 5, ENEURO.0415-17.2018.	1.9	8
39	Simultaneous recording of presynaptic spikes and excitatory postsynaptic potentials from monosynaptically connected hippocampal neurons. Neuroscience Letters, 1989, 103, 34-38.	2.1	7
40	Assessing the roles of presynaptic ryanodine receptors and adenosine receptors in caffeine-induced enhancement of hippocampal mossy fiber transmission. Neuroscience Research, 2011, 71, 183-187.	1.9	7
41	Voltage-gated calcium and sodium channels mediate Sema3A retrograde signaling that regulates dendritic development. Brain Research, 2016, 1631, 127-136.	2.2	7
42	Amiloride suppresses the induction of long-term potentiation in the mossy fiber pathway but not in the commissural/associational pathway of the hippocampal CA3 region. Synapse, 1989, 3, 286-287.	1.2	5
43	An empirical test for the reliability of quantal analysis based on Pascal statistics. Journal of Neuroscience Methods, 1992, 42, 19-26.	2.5	5
44	Heterosynaptic enhancement of the excitability of hippocampal mossy fibers by longâ€range spillâ€over of glutamate. Hippocampus, 2012, 22, 222-229.	1.9	5
45	Excitability Tuning of Axons by Afterdepolarization. Frontiers in Cellular Neuroscience, 2019, 13, 407.	3.7	5
46	Modeling Analysis of Axonal After Potential at Hippocampal Mossy Fibers. Frontiers in Cellular Neuroscience, 2019, 13, 210.	3.7	3
47	Sevoflurane inhibits presynaptic calcium influx without affecting presynaptic action potentials in hippocampal CA1 region . Biomedical Research, 2018, 39, 223-230.	0.9	2
48	Editorial: Axon Neurobiology: Fine-Scale Dynamics of Microstructure and Function. Frontiers in Cellular Neuroscience, 2020, 14, 594361.	3.7	1
49	Reply to Scott and Rusakov: Roles of presynaptic Ca ²⁺ store at the hippocampal mossy fiber synapse. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, .	7.1	0
50	Axon Neurobiology: Fine-Scale Dynamics of Microstructure and Function. Frontiers Research Topics, 0, , .	0.2	0
51	Slice Preparation. , 2009, , 3743-3745.		0