

# Haruyuki Kamiya

## List of Publications by Year in descending order

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51  
papers

3,833  
citations

236925

25  
h-index

206112

48  
g-index

52  
all docs

52  
docs citations

52  
times ranked

4102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Axon Neurobiology: Fine-Scale Dynamics of Microstructure and Function. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 594361.	3.7	1
2	Modeling Analysis of Axonal After Potential at Hippocampal Mossy Fibers. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 210.	3.7	3
3	Excitability Tuning of Axons by Afterdepolarization. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 407.	3.7	5
4	Sevoflurane inhibits presynaptic calcium influx without affecting presynaptic action potentials in hippocampal CA1 region. <i>Biomedical Research</i> , 2018, 39, 223-230.	0.9	2
5	Sodium Channel-Dependent and -Independent Mechanisms Underlying Axonal Afterdepolarization at Mouse Hippocampal Mossy Fibers. <i>ENeuro</i> , 2018, 5, ENEURO.0254-18.2018.	1.9	9
6	Short-Term Depression of Axonal Spikes at the Mouse Hippocampal Mossy Fibers and Sodium Channel-Dependent Modulation. <i>ENeuro</i> , 2018, 5, ENEURO.0415-17.2018.	1.9	8
7	Synapse-specific effects of IL-1 $\beta$ on long-term potentiation in the mouse hippocampus. <i>Biomedical Research</i> , 2017, 38, 183-188.	0.9	44
8	PSD-95 regulates synaptic kainate receptors at mouse hippocampal mossy fiber-CA3 synapses. <i>Neuroscience Research</i> , 2016, 107, 14-19.	1.9	8
9	Voltage-gated calcium and sodium channels mediate Sema3A retrograde signaling that regulates dendritic development. <i>Brain Research</i> , 2016, 1631, 127-136.	2.2	7
10	Excitability tuning of axons in the central nervous system. <i>Journal of Physiological Sciences</i> , 2016, 66, 189-196.	2.1	11
11	Serotonergic modulation of inhibitory synaptic transmission in mouse inferior colliculus. <i>Biomedical Research</i> , 2014, 35, 81-84.	0.9	9
12	Photochemical Inactivation Analysis of Temporal Dynamics of Postsynaptic Native AMPA Receptors in Hippocampal Slices. <i>Journal of Neuroscience</i> , 2012, 32, 6517-6524.	3.6	9
13	Heterosynaptic enhancement of the excitability of hippocampal mossy fibers by long-range spill-over of glutamate. <i>Hippocampus</i> , 2012, 22, 222-229.	1.9	5
14	Assessing the roles of presynaptic ryanodine receptors and adenosine receptors in caffeine-induced enhancement of hippocampal mossy fiber transmission. <i>Neuroscience Research</i> , 2011, 71, 183-187.	1.9	7
15	NMDA Receptor GluN2B (GluR $\mu$ 2/NR2B) Subunit Is Crucial for Channel Function, Postsynaptic Macromolecular Organization, and Actin Cytoskeleton at Hippocampal CA3 Synapses. <i>Journal of Neuroscience</i> , 2009, 29, 10869-10882.	3.6	138
16	Slice Preparation. , 2009, , 3743-3745.		0
17	Use-dependent amplification of presynaptic Ca <sup>2+</sup> signaling by axonal ryanodine receptors at the hippocampal mossy fiber synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11998-12003.	7.1	55
18	Reply to Scott and Rusakov: Roles of presynaptic Ca <sup>2+</sup> store at the hippocampal mossy fiber synapse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, .	7.1	0

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19	Evidence against GABA Release from Glutamatergic Mossy Fiber Terminals in the Developing Hippocampus. <i>Journal of Neuroscience</i> , 2007, 27, 8088-8100.	3.6	49
20	Interactions between Plexin-A2, Plexin-A4, and Semaphorin 6A Control Lamina-Restricted Projection of Hippocampal Mossy Fibers. <i>Neuron</i> , 2007, 53, 535-547.	8.1	179
21	Abundant distribution of TARP $\beta$ -8 in synaptic and extrasynaptic surface of hippocampal neurons and its major role in AMPA receptor expression on spines and dendrites. <i>European Journal of Neuroscience</i> , 2006, 24, 2177-2190.	2.6	126
22	Rab3 GTPase-activating protein regulates synaptic transmission and plasticity through the inactivation of Rab3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10029-10034.	7.1	82
23	Localization of Diacylglycerol Lipase- $\alpha$ around Postsynaptic Spine Suggests Close Proximity between Production Site of an Endocannabinoid, 2-Arachidonoyl-glycerol, and Presynaptic Cannabinoid CB1 Receptor. <i>Journal of Neuroscience</i> , 2006, 26, 4740-4751.	3.6	302
24	Defective function of GABA-containing synaptic vesicles in mice lacking the AP-3B clathrin adaptor. <i>Journal of Cell Biology</i> , 2004, 167, 293-302.	5.2	102
25	Specification of the Retinal Fate of Mouse Embryonic Stem Cells by Ectopic Expression of <i>Rx/rax</i> , a Homeobox Gene. <i>Molecular and Cellular Biology</i> , 2004, 24, 4513-4521.	2.3	82
26	Kainate receptor-dependent presynaptic modulation and plasticity. <i>Neuroscience Research</i> , 2002, 42, 1-6.	1.9	30
27	Presynaptic $Ca^{2+}$ Entry Is Unchanged during Hippocampal Mossy Fiber Long-Term Potentiation. <i>Journal of Neuroscience</i> , 2002, 22, 10524-10528.	3.6	54
28	Kainate Receptor-Dependent Short-Term Plasticity of Presynaptic $Ca^{2+}$ Influx at the Hippocampal Mossy Fiber Synapses. <i>Journal of Neuroscience</i> , 2002, 22, 9237-9243.	3.6	66
29	Re-evaluation of phorbol ester-induced potentiation of transmitter release from mossy fibre terminals of the mouse hippocampus. <i>Journal of Physiology</i> , 2000, 529, 763-776.	2.9	39
30	Kainate receptor-mediated presynaptic inhibition at the mouse hippocampal mossy fibre synapse. <i>Journal of Physiology</i> , 2000, 523, 653-665.	2.9	163
31	Role of Rab GDP dissociation inhibitor $\beta$ in regulating plasticity of hippocampal neurotransmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11587-11592.	7.1	73
32	Dual mechanism for presynaptic modulation by axonal metabotropic glutamate receptor at the mouse mossy fibre-CA3 synapse. <i>Journal of Physiology</i> , 1999, 518, 497-506.	2.9	72
33	Kainate receptor-mediated inhibition of presynaptic $Ca^{2+}$ influx and EPSP in area CA1 of the rat hippocampus. <i>Journal of Physiology</i> , 1998, 509, 833-845.	2.9	135
34	Glutamate receptors in the mammalian central nervous system. <i>Progress in Neurobiology</i> , 1998, 54, 581-618.	5.7	960
35	Differential effects of phorbol ester on AMPA and NMDA components of excitatory postsynaptic currents in dentate neurons of rat hippocampal slices. <i>Neuroscience Research</i> , 1997, 29, 171-179.	1.9	9
36	Phorbol ester and forskolin suppress the presynaptic inhibitory action of group-II metabotropic glutamate receptor at rat hippocampal mossy fibre synapse. <i>Neuroscience</i> , 1997, 80, 89-94.	2.3	38

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37	A metabotropic glutamate receptor agonist DCG-IV suppresses synaptic transmission at mossy fiber pathway of the guinea pig hippocampus. <i>Neuroscience Letters</i> , 1996, 207, 70-72.	2.1	69
38	Activation of metabotropic glutamate receptor type 2/3 suppresses transmission at rat hippocampal mossy fibre synapses.. <i>Journal of Physiology</i> , 1996, 493, 447-455.	2.9	309
39	Suppression of presynaptic calcium influx by metabotropic glutamate receptor agonists in neonatal rat hippocampus. <i>Brain Research</i> , 1995, 695, 179-185.	2.2	31
40	Residual Ca <sup>2+</sup> and short-term synaptic plasticity. <i>Nature</i> , 1994, 371, 603-606.	27.8	322
41	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. <i>Synapse</i> , 1993, 13, 186-194.	1.2	11
42	Enhancement of postsynaptic responsiveness during long-term potentiation of mossy fiber synapses in guinea pig hippocampus. <i>Neuroscience Letters</i> , 1992, 138, 111-114.	2.1	22
43	An empirical test for the reliability of quantal analysis based on Pascal statistics. <i>Journal of Neuroscience Methods</i> , 1992, 42, 19-26.	2.5	5
44	Persistent enhancement of transmitter release accompanying long-term potentiation in the guinea pig hippocampus. <i>Neuroscience Letters</i> , 1991, 130, 259-262.	2.1	11
45	Quantal components of the synaptic potential induced in hippocampal neurons by activation of granule cells, and the effect of 2-amino-4-phosphonobutyric acid. <i>Hippocampus</i> , 1991, 1, 93-106.	1.9	24
46	Some pharmacological differences between hippocampal excitatory and inhibitory synapses in transmitter release: An in vitro study. <i>Synapse</i> , 1991, 8, 229-235.	1.2	23
47	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. <i>Synapse</i> , 1989, 3, 286-287.	1.2	5
48	Simultaneous recording of presynaptic spikes and excitatory postsynaptic potentials from monosynaptically connected hippocampal neurons. <i>Neuroscience Letters</i> , 1989, 103, 34-38.	2.1	7
49	Additive feature of long-term potentiation and phorbol ester-induced synaptic enhancement in the mossy fiber-CA3 synapse. <i>Experimental Neurology</i> , 1988, 102, 314-317.	4.1	18
50	Synthetic $\bar{\gamma}$ -conotoxin blocks synaptic transmission in the hippocampus in vitro. <i>Neuroscience Letters</i> , 1988, 91, 84-88.	2.1	93
51	Axon Neurobiology: Fine-Scale Dynamics of Microstructure and Function. <i>Frontiers Research Topics</i> , 0, , .	0.2	0