

# Hiroki Yasuda

## List of Publications by Year in descending order

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27  
papers

1,954  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of AMPA receptor endocytosis by a signaling mechanism shared with LTD. <i>Nature Neuroscience</i> , 2000, 3, 1291-1300.	14.8	660
2	A developmental switch in the signaling cascades for LTP induction. <i>Nature Neuroscience</i> , 2003, 6, 15-16.	14.8	282
3	Selective control of inhibitory synapse development by Slitrk3-PTP1 $\gamma$ trans-synaptic interaction. <i>Nature Neuroscience</i> , 2012, 15, 389-398.	14.8	198
4	A Local Reduction in Cortical GABAergic Synapses after a Loss of Endogenous Brain-Derived Neurotrophic Factor, as Revealed by Single-Cell Gene Knock-Out Method. <i>Journal of Neuroscience</i> , 2007, 27, 7234-7244.	3.6	120
5	Elfn1 recruits presynaptic mGluR7 in trans and its loss results in seizures. <i>Nature Communications</i> , 2014, 5, 4501.	12.8	83
6	Brain-Derived Neurotrophic Factor Prevents Low-Frequency Inputs from Inducing Long-Term Depression in the Developing Visual Cortex. <i>Journal of Neuroscience</i> , 1999, 19, 2122-2130.	3.6	69
7	Brain-derived neurotrophic factor increases inhibitory synapses, revealed in solitary neurons cultured from rat visual cortex. <i>Neuroscience</i> , 2004, 126, 955-966.	2.3	64
8	Autism-like behaviours and enhanced memory formation and synaptic plasticity in Lrnf2/SALM1-deficient mice. <i>Nature Communications</i> , 2017, 8, 15800.	12.8	62
9	Regulation of excitability and plasticity by endocannabinoids and PKA in developing hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3106-3111.	7.1	58
10	Roles of Endocannabinoids in Heterosynaptic Long-Term Depression of Excitatory Synaptic Transmission in Visual Cortex of Young Mice. <i>Journal of Neuroscience</i> , 2008, 28, 7074-7083.	3.6	53
11	NMDA Receptor-Dependent Synaptic Translocation of Insulin Receptor Substrate p53 via Protein Kinase C Signaling. <i>Journal of Neuroscience</i> , 2005, 25, 2670-2681.	3.6	44
12	Long-term depression in rat visual cortex is associated with a lower rise of postsynaptic calcium than long-term potentiation. <i>Neuroscience Research</i> , 1996, 24, 265-274.	1.9	40
13	Drebrin A regulates hippocampal LTP and hippocampus-dependent fear learning in adult mice. <i>Neuroscience</i> , 2016, 324, 218-226.	2.3	34
14	Frequent spontaneous seizures followed by spatial working memory/anxiety deficits in mice lacking sphingosine 1-phosphate receptor 2. <i>Epilepsy and Behavior</i> , 2011, 22, 659-665.	1.7	32
15	Brain-derived neurotrophic factor acutely depresses excitatory synaptic transmission to GABAergic neurons in visual cortical slices. <i>European Journal of Neuroscience</i> , 2004, 20, 709-718.	2.6	29
16	Imaging of calcineurin activated by long-term depression-inducing synaptic inputs in living neurons of rat visual cortex. <i>European Journal of Neuroscience</i> , 2003, 17, 287-297.	2.6	24
17	CRISPR/Cas9-engineered Gad1 elimination in rats leads to complex behavioral changes: implications for schizophrenia. <i>Translational Psychiatry</i> , 2020, 10, 426.	4.8	17
18	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. <i>Genes To Cells</i> , 2017, 22, 220-236.	1.2	16

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19	Turning off of GluN2B subunits and turning on of CICR in hippocampal LTD induction after developmental GluN2 subunit switch. <i>Hippocampus</i> , 2015, 25, 1274-1284.	1.9	14
20	A switching role of postsynaptic calcium in the induction of long-term potentiation or long-term depression in visual cortex. <i>Seminars in Neuroscience</i> , 1996, 8, 311-319.	2.2	12
21	PSD-Zip70 Deficiency Causes Prefrontal Hypofunction Associated with Glutamatergic Synapse Maturation Defects by Dysregulation of Rap2 Activity. <i>Journal of Neuroscience</i> , 2015, 35, 14327-14340.	3.6	12
22	Localized contribution of N-methyl-d-aspartate receptors to synaptic input-induced rise of calcium in apical dendrites of layer II/III neurons in rat visual cortex. <i>Neuroscience</i> , 1998, 85, 1011-1024.	2.3	9
23	Increase in AMPA receptor-mediated miniature EPSC amplitude after chronic NMDA receptor blockade in cultured hippocampal neurons. <i>Neuroscience Letters</i> , 2007, 418, 4-8.	2.1	9
24	PKN1 promotes synapse maturation by inhibiting mGluR-dependent silencing through neuronal glutamate transporter activation. <i>Communications Biology</i> , 2020, 3, 710.	4.4	6
25	Drebrin Isoforms Critically Regulate NMDAR- and mGluR-Dependent LTD Induction. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 330.	3.7	4
26	Postsynaptic calcium and calcium-dependent processes in synaptic plasticity in the developing visual cortex. <i>Journal of Physiology (Paris)</i> , 1996, 90, 151-156.	2.1	3
27	Electrophysiological Technique for Analysis of Synaptic Function of PKN1 in Hippocampus. <i>Neuromethods</i> , 2012, , 349-360.	0.3	0