

# Miwako Yamasaki

## List of Publications by Year in descending order

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78  
papers

4,393  
citations

145106

33  
h-index

129628

63  
g-index

89  
all docs

89  
docs citations

89  
times ranked

6906  
citing authors

#	ARTICLE	IF	CITATIONS
1	L-DOPA-Induced Neurogenesis in the Hippocampus Is Mediated Through GPR143, a Distinct Mechanism of Dopamine. <i>Stem Cells</i> , 2022, 40, 215-226.	1.4	5
2	SIPA1L1/SPAR1 Interacts with the Neurabin Family of Proteins and is Involved in GPCR Signaling. <i>Journal of Neuroscience</i> , 2022, 42, 2448-2473.	1.7	5
3	Activation of Extrasynaptic Kainate Receptors Drives Hilar Mossy Cell Activity. <i>Journal of Neuroscience</i> , 2022, 42, 2872-2884.	1.7	8
4	Histochemical Characterization of the Dorsal Raphe-Periaqueductal Grey Dopamine Transporter Neurons Projecting to the Extended Amygdala. <i>ENeuro</i> , 2022, 9, ENEURO.0121-22.2022.	0.9	4
5	Single-scan volumetric imaging throughout thick tissue specimens by one-touch installable light-needle creating device. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
6	Compartmentalized Inputâ€œOutput Organization of Lugaro Cells in the Cerebellar Cortex. <i>Neuroscience</i> , 2021, 462, 89-105.	1.1	15
7	Nectinâ€² is localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. <i>Journal of Comparative Neurology</i> , 2021, 529, 450-477.	0.9	4
8	Kv11 (related gene) voltage-dependent K <sup>+</sup> channels promote resonance and oscillation of subthreshold membrane potentials. <i>Journal of Physiology</i> , 2021, 599, 547-569.	1.3	7
9	mGluR1 signaling in cerebellar Purkinje cells: Subcellular organization and involvement in cerebellar function and disease. <i>Neuropharmacology</i> , 2021, 194, 108629.	2.0	16
10	Fluorescent In Situ Hybridization for Sensitive and Specific Labeling. <i>Neuromethods</i> , 2021, , 145-160.	0.2	0
11	Spike firing attenuation of serotonin neurons in learned helplessness rats is reversed by ketamine. <i>Brain Communications</i> , 2021, 3, fcab285.	1.5	2
12	Expression mapping, quantification, and complex formation of GluD1 and GluD2 glutamate receptors in adult mouse brain. <i>Journal of Comparative Neurology</i> , 2020, 528, 1003-1027.	0.9	33
13	TMEM163 Regulates ATP-Gated P2X Receptor and Behavior. <i>Cell Reports</i> , 2020, 31, 107704.	2.9	19
14	Development of an L-type Ca <sup>2+</sup> channel-dependent Ca <sup>2+</sup> transient during the radial migration of cortical excitatory neurons. <i>Neuroscience Research</i> , 2020, 169, 17-26.	1.0	8
15	mGluR1 in cerebellar Purkinje cells is essential for the formation but not expression of associative eyeblink memory. <i>Scientific Reports</i> , 2019, 9, 7353.	1.6	10
16	Localization of phospholipase C Î²3 in the major salivary glands of adult mice. <i>Acta Histochemica</i> , 2019, 121, 484-490.	0.9	6
17	Heterogeneous localization of muscarinic cholinergic receptor M1 in the salivary ducts of adult mice. <i>Archives of Oral Biology</i> , 2019, 100, 14-22.	0.8	3
18	Localization of nectinâ€² at the boundary between the adjacent somata of the clustered cholinergic neurons and its regulatory role in the subcellular localization of the voltage-gated A-type K <sup>+</sup> channel Kv4.2 in the medial habenula. <i>Journal of Comparative Neurology</i> , 2018, 526, 1527-1549.	0.9	4

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19	Silent Learning. <i>Current Biology</i> , 2018, 28, 3508-3515.e5.	1.8	35
20	Olig2-Lineage Astrocytes: A Distinct Subtype of Astrocytes That Differs from GFAP Astrocytes. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 8.	0.9	71
21	Localization of photoperiod responsive circadian oscillators in the mouse suprachiasmatic nucleus. <i>Scientific Reports</i> , 2017, 7, 8210.	1.6	31
22	Glutamate transporter GLAST controls synaptic wrapping by Bergmann glia and ensures proper wiring of Purkinje cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7438-7443.	3.3	54
23	Locus Coeruleus and Dopamine-Dependent Memory Consolidation. <i>Neural Plasticity</i> , 2017, 2017, 1-15.	1.0	50
24	TARP $\hat{\imath}^3$ -2 and $\hat{\imath}^3$ -8 Differentially Control AMPAR Density Across Schaffer Collateral/Commissural Synapses in the Hippocampal CA1 Area. <i>Journal of Neuroscience</i> , 2016, 36, 4296-4312.	1.7	36
25	Transsynaptic Modulation of Kainate Receptor Functions by C1q-like Proteins. <i>Neuron</i> , 2016, 90, 752-767.	3.8	150
26	Locus coeruleus and dopaminergic consolidation of everyday memory. <i>Nature</i> , 2016, 537, 357-362.	13.7	561
27	Distinct Subunit Domains Govern Synaptic Stability and Specificity of the Kainate Receptor. <i>Cell Reports</i> , 2016, 16, 531-544.	2.9	33
28	Ionic Basis for Membrane Potential Resonance in Neurons of the Inferior Olive. <i>Cell Reports</i> , 2016, 16, 994-1004.	2.9	32
29	The active zone protein $\langle scp \rangle$ CAST $\langle /scp \rangle$ regulates synaptic vesicle recycling and quantal size in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2016, 44, 2272-2284.	1.2	17
30	Molecular and anatomical evidence for the input pathway- and target cell type-dependent regulation of glutamatergic synapses. <i>Anatomical Science International</i> , 2016, 91, 8-21.	0.5	4
31	Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 7039-7054.	1.7	18
32	Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2282-2287.	3.3	66
33	Fluorescent In Situ Hybridization for Sensitive and Specific Labeling. <i>Neuromethods</i> , 2016, , 127-142.	0.2	2
34	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. <i>PLoS ONE</i> , 2016, 11, e0164716.	1.1	28
35	VGlut3-Expressing CCK-Positive Basket Cells Construct Invaginating Synapses Enriched with Endocannabinoid Signaling Proteins in Particular Cortical and Cortex-Like Amygdaloid Regions of Mouse Brains. <i>Journal of Neuroscience</i> , 2015, 35, 4215-4228.	1.7	33
36	Involvement of diacylglycerol kinase $\hat{\imath}^2$ in the spine formation at distal dendrites of striatal medium spiny neurons. <i>Brain Research</i> , 2015, 1594, 36-45.	1.1	11

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37	The glutamate receptor $\text{GluN}2$ subunit regulates synaptic trafficking of AMPA receptors in the neonatal mouse brain. <i>European Journal of Neuroscience</i> , 2014, 40, 3136-3146.	1.2	14
38	Neuron type- and input pathway-dependent expression of Slc4a10 in adult mouse brains. <i>European Journal of Neuroscience</i> , 2014, 40, 2797-2810.	1.2	4
39	Enriched Expression of GluD1 in Higher Brain Regions and Its Involvement in Parallel Fiber Interneuron Synapse Formation in the Cerebellum. <i>Journal of Neuroscience</i> , 2014, 34, 7412-7424.	1.7	89
40	Opposing Role of NMDA Receptor GluN2B and GluN2D in Somatosensory Development and Maturation. <i>Journal of Neuroscience</i> , 2014, 34, 11534-11548.	1.7	49
41	Global Scaling Down of Excitatory Postsynaptic Responses in Cerebellar Purkinje Cells Impairs Developmental Synapse Elimination. <i>Cell Reports</i> , 2014, 8, 1119-1129.	2.9	19
42	Protocadherin 17 Regulates Presynaptic Assembly in Topographic Corticobasal Ganglia Circuits. <i>Neuron</i> , 2013, 78, 839-854.	3.8	67
43	Homeostatic Control of Synaptic Transmission by Distinct Glutamate Receptors. <i>Neuron</i> , 2013, 78, 687-699.	3.8	31
44	Type 2 $\text{K}^+$ cotransporter is preferentially recruited to climbing fiber synapses during development and the stellate cell targeting dendritic zone at adulthood in cerebellar Purkinje cells. <i>European Journal of Neuroscience</i> , 2013, 37, 532-543.	1.2	8
45	Autoantibodies to Epilepsy-Related LGI1 in Limbic Encephalitis Neutralize LGI1-ADAM22 Interaction and Reduce Synaptic AMPA Receptors. <i>Journal of Neuroscience</i> , 2013, 33, 18161-18174.	1.7	288
46	Three Types of Neurochemical Projection from the Bed Nucleus of the Stria Terminalis to the Ventral Tegmental Area in Adult Mice. <i>Journal of Neuroscience</i> , 2012, 32, 18035-18046.	1.7	158
47	$\text{Ca}^{2+}$ in Cerebellar Purkinje Cells Regulates Competitive Excitatory Synaptic Wiring, Cell Survival, and Cerebellar Biochemical Compartmentalization. <i>Journal of Neuroscience</i> , 2012, 32, 1311-1328.	1.7	74
48	Lack of Molecular-Anatomical Evidence for GABAergic Influence on Axon Initial Segment of Cerebellar Purkinje Cells by the Pinceau Formation. <i>Journal of Neuroscience</i> , 2012, 32, 9438-9448.	1.7	47
49	Distinct Neurochemical and Functional Properties of GAD67-Containing 5-HT Neurons in the Rat Dorsal Raphe Nucleus. <i>Journal of Neuroscience</i> , 2012, 32, 14415-14426.	1.7	47
50	Rewiring of Afferent Fibers in the Somatosensory Thalamus of Mice Caused by Peripheral Sensory Nerve Transection. <i>Journal of Neuroscience</i> , 2012, 32, 6917-6930.	1.7	25
51	Glutamate receptor $\text{GluR}2$ is essential for input pathway-dependent regulation of synaptic AMPAR contents in cerebellar Purkinje cells. <i>Neuroscience Research</i> , 2011, 71, e93.	1.0	0
52	Invaginating inhibitory synapse with particularly rich endocannabinoid signaling machinery in the basal nucleus of the amygdala. <i>Neuroscience Research</i> , 2011, 71, e93-e94.	1.0	0
53	Cellular expression and subcellular localization of secretogranin II in the mouse hippocampus and cerebellum. <i>European Journal of Neuroscience</i> , 2011, 33, 82-94.	1.2	14
54	Distinct functions of kainate receptors in the brain are determined by the auxiliary subunit Neto1. <i>Nature Neuroscience</i> , 2011, 14, 866-873.	7.1	111

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55	Molecular and Morphological Configuration for 2-Arachidonoylglycerol-Mediated Retrograde Signaling at Mossy Cell-Granule Cell Synapses in the Dentate Gyrus. <i>Journal of Neuroscience</i> , 2011, 31, 7700-7714.	1.7	75
56	Glutamate Receptor $\hat{2}$ Is Essential for Input Pathway-Dependent Regulation of Synaptic AMPAR Contents in Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2011, 31, 3362-3374.	1.7	79
57	Unique inhibitory synapse with particularly rich endocannabinoid signaling machinery on pyramidal neurons in basal amygdaloid nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3059-3064.	3.3	100
58	Developmental Switching of Perisomatic Innervation from Climbing Fibers to Basket Cell Fibers in Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2011, 31, 16916-16927.	1.7	52
59	Orexin Neurons Receive Glycinergic Innervations. <i>PLoS ONE</i> , 2011, 6, e25076.	1.1	26
60	TARPs $\hat{2}$ and $\hat{7}$ are essential for AMPA receptor expression in the cerebellum. <i>European Journal of Neuroscience</i> , 2010, 31, 2204-2220.	1.2	76
61	Cytochemical and cytological properties of perineuronal oligodendrocytes in the mouse cortex. <i>European Journal of Neuroscience</i> , 2010, 32, 1326-1336.	1.2	81
62	Inositol 1,4,5-trisphosphate signaling maintains the activity of glutamate uptake in Bergmann glia. <i>European Journal of Neuroscience</i> , 2010, 32, 1668-1677.	1.2	19
63	Ablation of Glutamate Receptor Glu $\hat{2}$ in Adult Purkinje Cells Causes Multiple Innervation of Climbing Fibers by Inducing Aberrant Invasion to Parallel Fiber Innervation Territory. <i>Journal of Neuroscience</i> , 2010, 30, 15196-15209.	1.7	55
64	Preferential Localization of Muscarinic M <sub>1</sub> Receptor on Dendritic Shaft and Spine of Cortical Pyramidal Cells and Its Anatomical Evidence for Volume Transmission. <i>Journal of Neuroscience</i> , 2010, 30, 4408-4418.	1.7	187
65	Imaging extrasynaptic glutamate dynamics in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6526-6531.	3.3	156
66	Ablation of glutamate receptor GluD2 in adult Purkinje cells causes multiple innervation of climbing fibers by ectopic innervation of transverse collaterals. <i>Neuroscience Research</i> , 2010, 68, e86.	1.0	1
67	Lentiviral vector-mediated rescue of motor behavior in spontaneously occurring hereditary ataxic mice. <i>Neurobiology of Disease</i> , 2009, 35, 457-465.	2.1	13
68	Rescue of abnormal phenotypes in $\hat{2}$ glutamate receptor-deficient mice by the extracellular N-terminal and intracellular C-terminal domains of the $\hat{2}$ glutamate receptor. <i>European Journal of Neuroscience</i> , 2009, 30, 355-365.	1.2	21
69	NMDA Receptor GluN2B (Glu $\hat{2}$ /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.	1.7	138
70	Role of the internal Shank-binding segment of glutamate receptor $\hat{2}$ in synaptic localization and cerebellar functions. <i>Neuroscience Letters</i> , 2008, 433, 146-151.	1.0	10
71	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.	3.3	55
72	Glutamate Transporters Regulate Lesion-Induced Plasticity in the Developing Somatosensory Cortex. <i>Journal of Neuroscience</i> , 2008, 28, 4995-5006.	1.7	49

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73	Regulation of Long-Term Depression and Climbing Fiber Territory by Glutamate Receptor $\hat{2}$ at Parallel Fiber Synapses through its C-Terminal Domain in Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2007, 27, 12096-12108.	1.7	56
74	Miniature Synaptic Events Elicited by Presynaptic $Ca^{2+}$ Rise Are Selectively Suppressed by Cannabinoid Receptor Activation in Cerebellar Purkinje Cells. <i>Journal of Neuroscience</i> , 2006, 26, 86-95.	1.7	64
75	3-Phosphoglycerate Dehydrogenase, a Key Enzyme for Serine Biosynthesis, Is Preferentially Expressed in the Radial Glia/Astrocyte Lineage and Olfactory Ensheathing Glia in the Mouse Brain. <i>Journal of Neuroscience</i> , 2001, 21, 7691-7704.	1.7	186
76	Gq protein $\hat{\pm}$ subunits $G\hat{\pm}q$ and $G\hat{\pm}11$ are localized at postsynaptic extra-junctional membrane of cerebellar Purkinje cells and hippocampal pyramidal cells. <i>European Journal of Neuroscience</i> , 2000, 12, 781-792.	1.2	118
77	Critical Period for Activity-Dependent Synapse Elimination in Developing Cerebellum. <i>Journal of Neuroscience</i> , 2000, 20, 4954-4961.	1.7	166
78	L-Serine and glycine serve as major astroglia-derived trophic factors for cerebellar Purkinje neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 11528-11533.	3.3	175