Miwako Yamasaki

List of Publications by Year
in descending order

78 papers	4,393 citations	126907 33 h-index	114465 63 g-index
89 all docs	89 docs citations	89 times ranked	6201 citing authors

#	Article	IF	Citations
1	Locus coeruleus and dopaminergic consolidation of everyday memory. Nature, 2016, 537, 357-362.	27.8	561
2	Autoantibodies to Epilepsy-Related LGI1 in Limbic Encephalitis Neutralize LGI1-ADAM22 Interaction and Reduce Synaptic AMPA Receptors. Journal of Neuroscience, 2013, 33, 18161-18174.	3.6	288
3	Preferential Localization of Muscarinic M₁Receptor on Dendritic Shaft and Spine of Cortical Pyramidal Cells and Its Anatomical Evidence for Volume Transmission. Journal of Neuroscience, 2010, 30, 4408-4418.	3.6	187
4	3-Phosphoglycerate Dehydrogenase, a Key Enzyme forl-Serine Biosynthesis, Is Preferentially Expressed in the Radial Glia/Astrocyte Lineage and Olfactory Ensheathing Glia in the Mouse Brain. Journal of Neuroscience, 2001, 21, 7691-7704.	3.6	186
5	L-Serine and glycine serve as major astroglia-derived trophic factors for cerebellar Purkinje neurons. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11528-11533.	7.1	175
6	Critical Period for Activity-Dependent Synapse Elimination in Developing Cerebellum. Journal of Neuroscience, 2000, 20, 4954-4961.	3.6	166
7	Three Types of Neurochemical Projection from the Bed Nucleus of the Stria Terminalis to the Ventral Tegmental Area in Adult Mice. Journal of Neuroscience, 2012, 32, 18035-18046.	3.6	158
8	Imaging extrasynaptic glutamate dynamics in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6526-6531.	7.1	156
9	Transsynaptic Modulation of Kainate Receptor Functions by C1q-like Proteins. Neuron, 2016, 90, 752-767.	8.1	150
10	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
11	Gq protein Î± subunits GÎ±q and GÎ±11 are localized at postsynaptic extra-junctional membrane of cerebellar Purkinje cells and hippocampal pyramidal cells. European Journal of Neuroscience, 2000, 12, 781-792.	2.6	118
12	Distinct functions of kainate receptors in the brain are determined by the auxiliary subunit Neto1. Nature Neuroscience, 2011, 14, 866-873.	14.8	111
13	Unique inhibitory synapse with particularly rich endocannabinoid signaling machinery on pyramidal neurons in basal amygdaloid nucleus. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3059-3064.	7.1	100
14	Enriched Expression of GluD1 in Higher Brain Regions and Its Involvement in Parallel Fiberâ€"Interneuron Synapse Formation in the Cerebellum. Journal of Neuroscience, 2014, 34, 7412-7424.	3.6	89
15	Cytochemical and cytological properties of perineuronal oligodendrocytes in the mouse cortex. European Journal of Neuroscience, 2010, 32, 1326-1336.	2.6	81
16	Glutamate Receptor Î´2 Is Essential for Input Pathway-Dependent Regulation of Synaptic AMPAR Contents in Cerebellar Purkinje Cells. Journal of Neuroscience, 2011, 31, 3362-3374.	3.6	79
17	TARPs Î³â€2 and Î³â€7 are essential for AMPA receptor expression in the cerebellum. European Journal of Neuroscience, 2010, 31, 2204-2220.	2.6	76
18	Molecular and Morphological Configuration for 2-Arachidonoylglycerol-Mediated Retrograde Signaling at Mossy Cellâ€"Granule Cell Synapses in the Dentate Gyrus. Journal of Neuroscience, 2011, 31, 7700-7714.	3.6	75

#	ARTICLE	IF	CITATIONS
19	Ca_v2.1 in Cerebellar Purkinje Cells Regulates Competitive Excitatory Synaptic Wiring, Cell Survival, and Cerebellar Biochemical Compartmentalization. Journal of Neuroscience, 2012, 32, 1311-1328.	3.6	74
20	Olig2-Lineage Astrocytes: A Distinct Subtype of Astrocytes That Differs from GFAP Astrocytes. Frontiers in Neuroanatomy, 2018, 12, 8.	1.7	71
21	Protocadherin 17 Regulates Presynaptic Assembly in Topographic Corticobasal Ganglia Circuits. Neuron, 2013, 78, 839-854.	8.1	67
22	Territories of heterologous inputs onto Purkinje cell dendrites are segregated by mGluR1-dependent parallel fiber synapse elimination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2282-2287.	7.1	66
23	Miniature Synaptic Events Elicited by Presynaptic Ca2+ Rise Are Selectively Suppressed by Cannabinoid Receptor Activation in Cerebellar Purkinje Cells. Journal of Neuroscience, 2006, 26, 86-95.	3.6	64
24	Regulation of Long-Term Depression and Climbing Fiber Territory by Glutamate Receptor Î´2 at Parallel Fiber Synapses through its C-Terminal Domain in Cerebellar Purkinje Cells. Journal of Neuroscience, 2007, 27, 12096-12108.	3.6	56
25	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
26	Ablation of Glutamate Receptor GluRÎ´2 in Adult Purkinje Cells Causes Multiple Innervation of Climbing Fibers by Inducing Aberrant Invasion to Parallel Fiber Innervation Territory. Journal of Neuroscience, 2010, 30, 15196-15209.	3.6	55
27	Glutamate transporter GLAST controls synaptic wrapping by Bergmann glia and ensures proper wiring of Purkinje cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7438-7443.	7.1	54
28	Developmental Switching of Perisomatic Innervation from Climbing Fibers to Basket Cell Fibers in Cerebellar Purkinje Cells. Journal of Neuroscience, 2011, 31, 16916-16927.	3.6	52
29	Locus Coeruleus and Dopamine-Dependent Memory Consolidation. Neural Plasticity, 2017, 2017, 1-15.	2.2	50
30	Glutamate Transporters Regulate Lesion-Induced Plasticity in the Developing Somatosensory Cortex. Journal of Neuroscience, 2008, 28, 4995-5006.	3.6	49
31	Opposing Role of NMDA Receptor GluN2B and GluN2D in Somatosensory Development and Maturation. Journal of Neuroscience, 2014, 34, 11534-11548.	3.6	49
32	Lack of Molecular-Anatomical Evidence for GABAergic Influence on Axon Initial Segment of Cerebellar Purkinje Cells by the Pinceau Formation. Journal of Neuroscience, 2012, 32, 9438-9448.	3.6	47
33	Distinct Neurochemical and Functional Properties of GAD67-Containing 5-HT Neurons in the Rat Dorsal Raphe Nucleus. Journal of Neuroscience, 2012, 32, 14415-14426.	3.6	47
34	TARP Î³-2 and Î³-8 Differentially Control AMPAR Density Across Schaffer Collateral/Commissural Synapses in the Hippocampal CA1 Area. Journal of Neuroscience, 2016, 36, 4296-4312.	3.6	36
35	Silent Learning. Current Biology, 2018, 28, 3508-3515.e5.	3.9	35
36	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. Journal of Neuroscience, 2015, 35, 4215-4228.	3.6	33

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37	Distinct Subunit Domains Govern Synaptic Stability and Specificity of the Kainate Receptor. Cell Reports, 2016, 16, 531-544.	6.4	33
38	Expression mapping, quantification, and complex formation of GluD1 and GluD2 glutamate receptors in adult mouse brain. Journal of Comparative Neurology, 2020, 528, 1003-1027.	1.6	33
39	Ionic Basis for Membrane Potential Resonance in Neurons of the Inferior Olive. Cell Reports, 2016, 16, 994-1004.	6.4	32
40	Homeostatic Control of Synaptic Transmission by Distinct Glutamate Receptors. Neuron, 2013, 78, 687-699.	8.1	31
41	Localization of photoperiod responsive circadian oscillators in the mouse suprachiasmatic nucleus. Scientific Reports, 2017, 7, 8210.	3.3	31
42	QRFP-Deficient Mice Are Hypophagic, Lean, Hypoactive and Exhibit Increased Anxiety-Like Behavior. PLoS ONE, 2016, 11, e0164716.	2.5	28
43	Orexin Neurons Receive Glycinergic Innervations. PLoS ONE, 2011, 6, e25076.	2.5	26
44	Rewiring of Afferent Fibers in the Somatosensory Thalamus of Mice Caused by Peripheral Sensory Nerve Transection. Journal of Neuroscience, 2012, 32, 6917-6930.	3.6	25
45	Rescue of abnormal phenotypes in Î´2 glutamate receptorâ€deficient mice by the extracellular Nâ€terminal and intracellular Câ€terminal domains of the Î´2 glutamate receptor. European Journal of Neuroscience, 2009, 30, 355-365.	2.6	21
46	Inositol 1,4,5â€trisphosphate signaling maintains the activity of glutamate uptake in Bergmann glia. European Journal of Neuroscience, 2010, 32, 1668-1677.	2.6	19
47	Global Scaling Down of Excitatory Postsynaptic Responses in Cerebellar Purkinje Cells Impairs Developmental Synapse Elimination. Cell Reports, 2014, 8, 1119-1129.	6.4	19
48	TMEM163 Regulates ATP-Gated P2X Receptor and Behavior. Cell Reports, 2020, 31, 107704.	6.4	19
49	Developmental Switch in Spike Timing-Dependent Plasticity and Cannabinoid-Dependent Reorganization of the Thalamocortical Projection in the Barrel Cortex. Journal of Neuroscience, 2016, 36, 7039-7054.	3.6	18
50	The active zone protein <scp>CAST</scp> regulates synaptic vesicle recycling and quantal size in the mouse hippocampus. European Journal of Neuroscience, 2016, 44, 2272-2284.	2.6	17
51	mGluR1 signaling in cerebellar Purkinje cells: Subcellular organization and involvement in cerebellar function and disease. Neuropharmacology, 2021, 194, 108629.	4.1	16
52	Compartmentalized Inputâ€"Output Organization of Lugaro Cells in the Cerebellar Cortex. Neuroscience, 2021, 462, 89-105.	2.3	15
53	Cellular expression and subcellular localization of secretogranin II in the mouse hippocampus and cerebellum. European Journal of Neuroscience, 2011, 33, 82-94.	2.6	14
54	The glutamate receptor <scp>G</scp>lu<scp>N</scp>2 subunit regulates synaptic trafficking of <scp>AMPA</scp> receptors in the neonatal mouse brain. European Journal of Neuroscience, 2014, 40, 3136-3146.	2.6	14

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55	Lentiviral vector-mediated rescue of motor behavior in spontaneously occurring hereditary ataxic mice. Neurobiology of Disease, 2009, 35, 457-465.	4.4	13
56	Involvement of diacylglycerol kinase Î² in the spine formation at distal dendrites of striatal medium spiny neurons. Brain Research, 2015, 1594, 36-45.	2.2	11
57	Role of the internal Shank-binding segment of glutamate receptor Î´2 in synaptic localization and cerebellar functions. Neuroscience Letters, 2008, 433, 146-151.	2.1	10
58	mGluR1 in cerebellar Purkinje cells is essential for the formation but not expression of associative eyeblink memory. Scientific Reports, 2019, 9, 7353.	3.3	10
59	Type 2Â<scp>K</scp>⁺â€“<scp>C</scp>l^{âˆ’} cotransporter is preferentially recruited to climbing fiber synapses during development and the stellate cellâ€targeting dendritic zone at adulthood in cerebellar <scp>P</scp>urkinje cells. European Journal of Neuroscience, 2013, 37, 532-543.	2.6	8
60	Development of an L-type Ca2+ channel-dependent Ca2+ transient during the radial migration of cortical excitatory neurons. Neuroscience Research, 2020, 169, 17-26.	1.9	8
61	Activation of Extrasynaptic Kainate Receptors Drives Hilar Mossy Cell Activity. Journal of Neuroscience, 2022, 42, 2872-2884.	3.6	8
62	Kv11 (<i>etherâ€Ãâ€goâ€go</i>â€related gene) voltageâ€dependent K⁺ channels promote resonance and oscillation of subthreshold membrane potentials. Journal of Physiology, 2021, 599, 547-569.	2.9	7
63	Localization of phospholipase C Î²3 in the major salivary glands of adult mice. Acta Histochemica, 2019, 121, 484-490.	1.8	6
64	L-DOPA-Induced Neurogenesis in the Hippocampus Is Mediated Through GPR143, a Distinct Mechanism of Dopamine. Stem Cells, 2022, 40, 215-226.	3.2	5
65	SIPA1L1/SPAR1 Interacts with the Neurabin Family of Proteins and is Involved in GPCR Signaling. Journal of Neuroscience, 2022, 42, 2448-2473.	3.6	5
66	Neuron typeâ€and input pathwayâ€dependent expression of Slc4a10 in adult mouse brains. European Journal of Neuroscience, 2014, 40, 2797-2810.	2.6	4
67	Molecular and anatomical evidence for the input pathway- and target cell type-dependent regulation of glutamatergic synapses. Anatomical Science International, 2016, 91, 8-21.	1.0	4
68	Localization of nectinâ€2Î± at the boundary between the adjacent somata of the clustered cholinergic neurons and its regulatory role in the subcellular localization of the voltageâ€gated Aâ€type K⁺ channel Kv4.2 in the medial habenula. Journal of Comparative Neurology, 2018, 526, 1527-1549.	1.6	4
69	Nectinâ€2Î± is localized at cholinergic neuron dendrites and regulates synapse formation in the medial habenula. Journal of Comparative Neurology, 2021, 529, 450-477.	1.6	4
70	Histochemical Characterization of the Dorsal Raphe-Periaqueductal Grey Dopamine Transporter Neurons Projecting to the Extended Amygdala. ENeuro, 2022, 9, ENEURO.0121-22.2022.	1.9	4
71	Single-scan volumetric imaging throughout thick tissue specimens by one-touch installable light-needle creating device. Scientific Reports, 2022, 12, .	3.3	4
72	Heterogeneous localization of muscarinic cholinoceptor M1 in the salivary ducts of adult mice. Archives of Oral Biology, 2019, 100, 14-22.	1.8	3

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73	Fluorescent In Situ Hybridization for Sensitive and Specific Labeling. Neuromethods, 2016, , 127-142.	0.3	2
74	Spike firing attenuation of serotonin neurons in learned helplessness rats is reversed by ketamine. Brain Communications, 2021, 3, fcab285.	3.3	2
75	Ablation of glutamate receptor GluD2 in adult Purkinje cells causes multiple innervation of climbing fibers by ectopic innervation of transverse collaterals. Neuroscience Research, 2010, 68, e86.	1.9	1
76	Glutamate receptor Î´2 is essential for input pathway-dependent regulation of synaptic AMPAR contents in cerebellar Purkinje cells. Neuroscience Research, 2011, 71, e93.	1.9	0
77	Invaginating inhibitory synapse with particularly rich endocannabinoid signaling machinery in the basal nucleus of the amygdala. Neuroscience Research, 2011, 71, e93-e94.	1.9	0
78	Fluorescent In Situ Hybridization for Sensitive and Specific Labeling. Neuromethods, 2021, , 145-160.	0.3	0