

# Takayuki Yamashita

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3281316/publications.pdf>

Version: 2024-02-01

21  
papers

1,160  
citations

516710

16  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Potential Dynamics of Neocortical Projection Neurons Driving Target-Specific Signals. <i>Neuron</i> , 2013, 80, 1477-1490.	8.1	162
2	Vesicle Endocytosis Requires Dynamin-Dependent GTP Hydrolysis at a Fast CNS Synapse. <i>Science</i> , 2005, 307, 124-127.	12.6	155
3	Near-infrared (NIR) up-conversion optogenetics. <i>Scientific Reports</i> , 2015, 5, 16533.	3.3	109
4	Developmental shift to a mechanism of synaptic vesicle endocytosis requiring nanodomain Ca <sup>2+</sup> . <i>Nature Neuroscience</i> , 2010, 13, 838-844.	14.8	83
5	Sensation during Active Behaviors. <i>Journal of Neuroscience</i> , 2017, 37, 10826-10834.	3.6	82
6	Target-specific membrane potential dynamics of neocortical projection neurons during goal-directed behavior. <i>ELife</i> , 2016, 5, .	6.0	72
7	Diverse Long-Range Axonal Projections of Excitatory Layer 2/3 Neurons in Mouse Barrel Cortex. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 33.	1.7	65
8	Developmental Increase in Vesicular Glutamate Content Does Not Cause Saturation of AMPA Receptors at the Calyx of Held Synapse. <i>Journal of Neuroscience</i> , 2003, 23, 3633-3638.	3.6	63
9	Lateral hypothalamic circuits for sleep-wake control. <i>Current Opinion in Neurobiology</i> , 2017, 44, 94-100.	4.2	56
10	Remote control of neural function by X-ray-induced scintillation. <i>Nature Communications</i> , 2021, 12, 4478.	12.8	50
11	Involvement of AMPA receptor desensitization in short-term synaptic depression at the calyx of Held in developing rats. <i>Journal of Physiology</i> , 2008, 586, 2263-2275.	2.9	44
12	Ca <sup>2+</sup> -dependent regulation of synaptic vesicle endocytosis. <i>Neuroscience Research</i> , 2012, 73, 1-7.	1.9	41
13	Developmental changes in calcium/calmodulin-dependent inactivation of calcium currents at the rat calyx of Held. <i>Journal of Physiology</i> , 2008, 586, 2253-2261.	2.9	28
14	Involvement of Ca <sup>2+</sup> Channel Synprint Site in Synaptic Vesicle Endocytosis. <i>Journal of Neuroscience</i> , 2010, 30, 655-660.	3.6	26
15	Frequency-Dependent Block of Excitatory Neurotransmission by Isoflurane via Dual Presynaptic Mechanisms. <i>Journal of Neuroscience</i> , 2020, 40, 4103-4115.	3.6	26
16	Vesicular glutamate filling and AMPA receptor occupancy at the calyx of Held synapse of immature rats. <i>Journal of Physiology</i> , 2009, 587, 2327-2339.	2.9	21
17	A glycine receptor antagonist, strychnine, blocked NMDA receptor activation in the neonatal mouse neocortex. <i>NeuroReport</i> , 2002, 13, 1667-1673.	1.2	7
18	Remote Optogenetics Using Up/Down-Conversion Phosphors. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 771717.	3.5	6

#	ARTICLE	IF	CITATIONS
19	Downstream projection of Barringtonâ€™s nucleus to the spinal cord in mice. Journal of Neurophysiology, 2021, 126, 1959-1977.	1.8	6
20	Patch-Clamp Recording Method in Slices for Studying Presynaptic Mechanisms. Springer Protocols, 2012, , 137-145.	0.3	1
21	Statistical analysis on characteristic whisker movements observed in reward processing. , 2019, , .		0