Junichi Nakai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2376943/publications.pdf

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26	1,810	471509 17	580821 25
papers	citations	h-index	g-index

34	34	34	2982
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Top-Down Cortical Circuit for Accurate Sensory Perception. Neuron, 2015, 86, 1304-1316.	8.1	308
2	Calcium imaging reveals glial involvement in transcranial direct current stimulation-induced plasticity in mouse brain. Nature Communications, 2016, 7, 11100.	12.8	289
3	Cilia at the Node of Mouse Embryos Sense Fluid Flow for Left-Right Determination via Pkd2. Science, 2012, 338, 226-231.	12.6	262
4	Genetically Encoded Green Fluorescent Ca2+ Indicators with Improved Detectability for Neuronal Ca2+ Signals. PLoS ONE, 2012, 7, e51286.	2.5	212
5	Degeneration of the Amygdala/Piriform Cortex and Enhanced Fear/Anxiety Behaviors in Sodium Pump Î±2 Subunit (Atp1a2)-Deficient Mice. Journal of Neuroscience, 2003, 23, 4667-4676.	3.6	114
6	Orchestrated ensemble activities constitute a hippocampal memory engram. Nature Communications, 2019, 10, 2637.	12.8	109
7	A Critical Neurodevelopmental Role for L-Type Voltage-Gated Calcium Channels in Neurite Extension and Radial Migration. Journal of Neuroscience, 2018, 38, 5551-5566.	3.6	63
8	Two-photon calcium imaging of the medial prefrontal cortex and hippocampus without cortical invasion. ELife, 2017, 6, .	6.0	63
9	Calcium dynamics regulating the timing of decision-making in C. elegans. ELife, 2017, 6, .	6.0	50
10	Distinct Mechanisms of Over-Representation of Landmarks and Rewards in the Hippocampus. Cell Reports, 2020, 32, 107864.	6.4	45
11	Super-wide-field two-photon imaging with a micro-optical device moving in post-objective space. Nature Communications, 2018, 9, 3550.	12.8	44
12	Fast varifocal two-photon microendoscope for imaging neuronal activity in the deep brain. Biomedical Optics Express, 2017, 8, 4049.	2.9	39
13	Common Defects of Spine Dynamics and Circuit Function in Neurodevelopmental Disorders: A Systematic Review of Findings From in Vivo Optical Imaging of Mouse Models. Frontiers in Neuroscience, 2018, 12, 412.	2.8	34
14	Higher visual responses in the temporal cortex of mice. Scientific Reports, 2018, 8, 11136.	3.3	31
15	ELKS/Voltage-Dependent Ca2+ Channel-Î² Subunit Module Regulates Polarized Ca2+ Influx in Pancreatic Î² Cells. Cell Reports, 2019, 26, 1213-1226.e7.	6.4	29
16	Role of Ca ²⁺ transients at the node of the mouse embryo in breaking of left-right symmetry. Science Advances, 2020, 6, eaba1195.	10.3	29
17	Generation and Imaging of Transgenic Mice that Express G-CaMP7 under a Tetracycline Response Element. PLoS ONE, 2015, 10, e0125354.	2.5	26
18	Encoding of social exploration by neural ensembles in the insular cortex. PLoS Biology, 2020, 18, e3000584.	5.6	20

#	Article	IF	Citations
19	A new platform for long-term tracking and recording of neural activity and simultaneous optogenetic control in freely behaving Caenorhabditis elegans. Journal of Neuroscience Methods, 2017, 286, 56-68.	2.5	12
20	Multiple coordinated cellular dynamics mediate <scp>CA1</scp> map plasticity. Hippocampus, 2021, 31, 235-243.	1.9	8
21	Wide and Deep Imaging of Neuronal Activities by a Wearable NeuroImager Reveals Premotor Activity in the Whole Motor Cortex. Scientific Reports, 2019, 9, 8366.	3.3	5
22	Confocal and multiphoton calcium imaging of the enteric nervous system in anesthetized mice. Neuroscience Research, 2020, 151, 53-60.	1.9	4
23	An aspherical microlens assembly for deep brain fluorescence microendoscopy. Biochemical and Biophysical Research Communications, 2020, 527, 447-452.	2.1	4
24	Self-organizing cell tactile perception which depends on mechanical stimulus history. Advanced Robotics, 2019, 33, 232-242.	1.8	1
25	Astrocytes in Atp1a2 â€deficient heterozygous mice exhibit hyperactivity after induction of cortical spreading depression. FEBS Open Bio, 2020, 10, 1031-1043.	2.3	1
26	Cover Image, Volume 31, Issue 3. Hippocampus, 2021, 31, C1.	1.9	0