

Junichi Nakai

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,810
citations

471509

17
h-index

580821

25
g-index

34
all docs

34
docs citations

34
times ranked

2982
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple coordinated cellular dynamics mediate <scp>CA1</scp> map plasticity. <i>Hippocampus</i> , 2021, 31, 235-243.	1.9	8
2	Cover Image, Volume 31, Issue 3. <i>Hippocampus</i> , 2021, 31, C1.	1.9	0
3	Confocal and multiphoton calcium imaging of the enteric nervous system in anesthetized mice. <i>Neuroscience Research</i> , 2020, 151, 53-60.	1.9	4
4	Encoding of social exploration by neural ensembles in the insular cortex. <i>PLoS Biology</i> , 2020, 18, e3000584.	5.6	20
5	Role of Ca ²⁺ transients at the node of the mouse embryo in breaking of left-right symmetry. <i>Science Advances</i> , 2020, 6, eaba1195.	10.3	29
6	Astrocytes in <i>Atp1a2</i> â€deficient heterozygous mice exhibit hyperactivity after induction of cortical spreading depression. <i>FEBS Open Bio</i> , 2020, 10, 1031-1043.	2.3	1
7	Distinct Mechanisms of Over-Representation of Landmarks and Rewards in the Hippocampus. <i>Cell Reports</i> , 2020, 32, 107864.	6.4	45
8	An aspherical microlens assembly for deep brain fluorescence microendoscopy. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 447-452.	2.1	4
9	Self-organizing cell tactile perception which depends on mechanical stimulus history. <i>Advanced Robotics</i> , 2019, 33, 232-242.	1.8	1
10	ELKS/Voltage-Dependent Ca ²⁺ Channel-Î² Subunit Module Regulates Polarized Ca ²⁺ Influx in Pancreatic Î² Cells. <i>Cell Reports</i> , 2019, 26, 1213-1226.e7.	6.4	29
11	Orchestrated ensemble activities constitute a hippocampal memory engram. <i>Nature Communications</i> , 2019, 10, 2637.	12.8	109
12	Wide and Deep Imaging of Neuronal Activities by a Wearable NeuroImager Reveals Premotor Activity in the Whole Motor Cortex. <i>Scientific Reports</i> , 2019, 9, 8366.	3.3	5
13	Super-wide-field two-photon imaging with a micro-optical device moving in post-objective space. <i>Nature Communications</i> , 2018, 9, 3550.	12.8	44
14	A Critical Neurodevelopmental Role for L-Type Voltage-Gated Calcium Channels in Neurite Extension and Radial Migration. <i>Journal of Neuroscience</i> , 2018, 38, 5551-5566.	3.6	63
15	Common Defects of Spine Dynamics and Circuit Function in Neurodevelopmental Disorders: A Systematic Review of Findings From in Vivo Optical Imaging of Mouse Models. <i>Frontiers in Neuroscience</i> , 2018, 12, 412.	2.8	34
16	Higher visual responses in the temporal cortex of mice. <i>Scientific Reports</i> , 2018, 8, 11136.	3.3	31
17	A new platform for long-term tracking and recording of neural activity and simultaneous optogenetic control in freely behaving <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience Methods</i> , 2017, 286, 56-68.	2.5	12
18	Fast varifocal two-photon microendoscope for imaging neuronal activity in the deep brain. <i>Biomedical Optics Express</i> , 2017, 8, 4049.	2.9	39

#	ARTICLE	IF	CITATIONS
19	Calcium dynamics regulating the timing of decision-making in <i>C. elegans</i> . <i>ELife</i> , 2017, 6, .	6.0	50
20	Two-photon calcium imaging of the medial prefrontal cortex and hippocampus without cortical invasion. <i>ELife</i> , 2017, 6, .	6.0	63
21	Calcium imaging reveals glial involvement in transcranial direct current stimulation-induced plasticity in mouse brain. <i>Nature Communications</i> , 2016, 7, 11100.	12.8	289
22	Generation and Imaging of Transgenic Mice that Express G-CaMP7 under a Tetracycline Response Element. <i>PLoS ONE</i> , 2015, 10, e0125354.	2.5	26
23	A Top-Down Cortical Circuit for Accurate Sensory Perception. <i>Neuron</i> , 2015, 86, 1304-1316.	8.1	308
24	Cilia at the Node of Mouse Embryos Sense Fluid Flow for Left-Right Determination via <i>Pkd2</i> . <i>Science</i> , 2012, 338, 226-231.	12.6	262
25	Genetically Encoded Green Fluorescent Ca ²⁺ Indicators with Improved Detectability for Neuronal Ca ²⁺ Signals. <i>PLoS ONE</i> , 2012, 7, e51286.	2.5	212
26	Degeneration of the Amygdala/Piriform Cortex and Enhanced Fear/Anxiety Behaviors in Sodium Pump $\hat{\pm}2$ Subunit (<i>Atp1a2</i>)-Deficient Mice. <i>Journal of Neuroscience</i> , 2003, 23, 4667-4676.	3.6	114