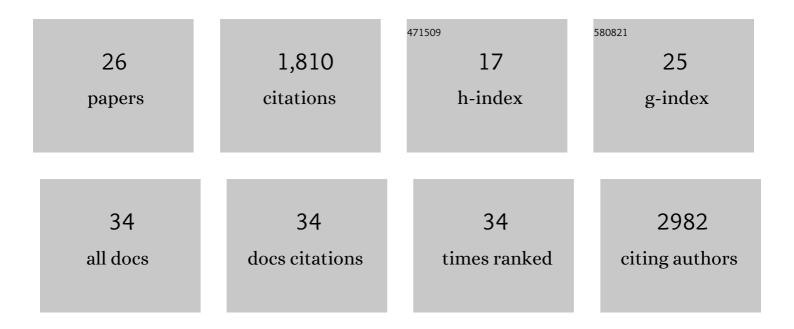
## Junichi Nakai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2376943/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Multiple coordinated cellular dynamics mediate <scp>CA1</scp> map plasticity. Hippocampus, 2021, 31, 235-243.	1.9	8
2	Cover Image, Volume 31, Issue 3. Hippocampus, 2021, 31, C1.	1.9	0
3	Confocal and multiphoton calcium imaging of the enteric nervous system in anesthetized mice. Neuroscience Research, 2020, 151, 53-60.	1.9	4
4	Encoding of social exploration by neural ensembles in the insular cortex. PLoS Biology, 2020, 18, e3000584.	5.6	20
5	Role of Ca <sup>2+</sup> transients at the node of the mouse embryo in breaking of left-right symmetry. Science Advances, 2020, 6, eaba1195.	10.3	29
6	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
7	Distinct Mechanisms of Over-Representation of Landmarks and Rewards in the Hippocampus. Cell Reports, 2020, 32, 107864.	6.4	45
8	An aspherical microlens assembly for deep brain fluorescence microendoscopy. Biochemical and Biophysical Research Communications, 2020, 527, 447-452.	2.1	4
9	Self-organizing cell tactile perception which depends on mechanical stimulus history. Advanced Robotics, 2019, 33, 232-242.	1.8	1
10	ELKS/Voltage-Dependent Ca2+ Channel-β Subunit Module Regulates Polarized Ca2+ Influx in Pancreatic β Cells. Cell Reports, 2019, 26, 1213-1226.e7.	6.4	29
11	Orchestrated ensemble activities constitute a hippocampal memory engram. Nature Communications, 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. Scientific Reports, 2019, 9, 8366.	3.3	5
13	Super-wide-field two-photon imaging with a micro-optical device moving in post-objective space. Nature Communications, 2018, 9, 3550.	12.8	44
14	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
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. Frontiers in Neuroscience, 2018, 12, 412.	2.8	34
16	Higher visual responses in the temporal cortex of mice. Scientific Reports, 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 Caenorhabditis elegans. Journal of Neuroscience Methods, 2017, 286, 56-68.	2.5	12
18	Fast varifocal two-photon microendoscope for imaging neuronal activity in the deep brain. Biomedical Optics Express, 2017, 8, 4049.	2.9	39

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#	Article	IF	CITATIONS
19	Calcium dynamics regulating the timing of decision-making in C. elegans. ELife, 2017, 6, .	6.0	50
20	Two-photon calcium imaging of the medial prefrontal cortex and hippocampus without cortical invasion. ELife, 2017, 6, .	6.0	63
21	Calcium imaging reveals glial involvement in transcranial direct current stimulation-induced plasticity in mouse brain. Nature Communications, 2016, 7, 11100.	12.8	289
22	Generation and Imaging of Transgenic Mice that Express G-CaMP7 under a Tetracycline Response Element. PLoS ONE, 2015, 10, e0125354.	2.5	26
23	A Top-Down Cortical Circuit for Accurate Sensory Perception. Neuron, 2015, 86, 1304-1316.	8.1	308
24	Cilia at the Node of Mouse Embryos Sense Fluid Flow for Left-Right Determination via Pkd2. Science, 2012, 338, 226-231.	12.6	262
25	Genetically Encoded Green Fluorescent Ca2+ Indicators with Improved Detectability for Neuronal Ca2+ Signals. PLoS ONE, 2012, 7, e51286.	2.5	212
26	Degeneration of the Amygdala/Piriform Cortex and Enhanced Fear/Anxiety Behaviors in Sodium Pump α2 Subunit ( <i>Atp1a2</i> )-Deficient Mice. Journal of Neuroscience, 2003, 23, 4667-4676.	3.6	114