

Yohei Okubo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,361
citations

623734

14
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

2327
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging intraorganellar Ca ²⁺ at subcellular resolution using CEPIA. Nature Communications, 2014, 5, 4153.	12.8	375
2	In Vivo Visualization of Subtle, Transient, and Local Activity of Astrocytes Using an Ultrasensitive Ca ²⁺ Indicator. Cell Reports, 2014, 8, 311-318.	6.4	158
3	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
4	Calcium-dependent N-cadherin up-regulation mediates reactive astrogliosis and neuroprotection after brain injury. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11612-11617.	7.1	141
5	Visualization of IP ₃ Dynamics Reveals a Novel AMPA Receptor-Triggered IP ₃ Production Pathway Mediated by Voltage-Dependent Ca ²⁺ Influx in Purkinje Cells. Neuron, 2001, 32, 113-122.	8.1	101
6	Regulation of Neurite Growth by Spontaneous Ca ²⁺ Oscillations in Astrocytes. Journal of Neuroscience, 2007, 27, 8957-8966.	3.6	77
7	Cross Talk between Metabotropic and Ionotropic Glutamate Receptor-Mediated Signaling in Parallel Fiber-Induced Inositol 1,4,5-Trisphosphate Production in Cerebellar Purkinje Cells. Journal of Neuroscience, 2004, 24, 9513-9520.	3.6	55
8	Visualization of glutamate as a volume transmitter. Journal of Physiology, 2011, 589, 481-488.	2.9	45
9	Inositol 1,4,5-trisphosphate receptor type 2-independent Ca ²⁺ release from the endoplasmic reticulum in astrocytes. Glia, 2019, 67, 113-124.	4.9	43
10	Postsynaptic inositol 1,4,5-trisphosphate signaling maintains presynaptic function of parallel fiber-Purkinje cell synapses via BDNF. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8528-8533.	7.1	36
11	Nitric Oxide-induced Activation of the Type 1 Ryanodine Receptor Is Critical for Epileptic Seizure-induced Neuronal Cell Death. EBioMedicine, 2016, 11, 253-261.	6.1	29
12	Visualization of Ca ²⁺ Filling Mechanisms upon Synaptic Inputs in the Endoplasmic Reticulum of Cerebellar Purkinje Cells. Journal of Neuroscience, 2015, 35, 15837-15846.	3.6	28
13	Temporal switching and cell-to-cell variability in Ca ²⁺ release activity in mammalian cells. Molecular Systems Biology, 2009, 5, 247.	7.2	22
14	Inositol 1,4,5-trisphosphate signaling maintains the activity of glutamate uptake in Bergmann glia. European Journal of Neuroscience, 2010, 32, 1668-1677.	2.6	19
15	Visualization of astrocytic intracellular Ca ²⁺ mobilization. Journal of Physiology, 2020, 598, 1671-1681.	2.9	18
16	Rational Design of a Near-Infrared Fluorescence Probe for Ca ²⁺ Based on Phosphorus-Substituted Rhodamines Utilizing Photoinduced Electron Transfer. Chemistry - an Asian Journal, 2020, 15, 524-530.	3.3	14
17	Astrocytic Ca ²⁺ signaling mediated by the endoplasmic reticulum in health and disease. Journal of Pharmacological Sciences, 2020, 144, 83-88.	2.5	14
18	Role of Endoplasmic Reticulum-Mediated Ca ²⁺ Signaling in Neuronal Cell Death. Antioxidants and Redox Signaling, 2018, 29, 1147-1157.	5.4	11

#	ARTICLE	IF	CITATIONS
19	Store-operated Ca ²⁺ entry-dependent Ca ²⁺ refilling in the endoplasmic reticulum in astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 1003-1008.	2.1	8
20	Imaging of Ca ²⁺ and Related Signaling Molecules and Investigation of Their Functions in the Brain. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1303-1314.	5.4	7
21	Whisker experience-dependent mGluR signaling maintains synaptic strength in the mouse adolescent cortex. <i>European Journal of Neuroscience</i> , 2016, 44, 2004-14.	2.6	3
22	Visualization of Ca ²⁺ dynamics within the endoplasmic reticulum for the study of astrocytic functions. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-108.	0.0	0
23	Visualization of Ca ²⁺ dynamics within the endoplasmic reticulum in neurons and glial cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2019, 92, JKL-08.	0.0	0
24	Investigation of Brain Functions with Fluorescence Imaging Techniques. <i>Juntendo Medical Journal</i> , 2022, 68, .	0.1	0