

Mitsuhiro Morita

List of Publications by Year in descending order

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48
papers

1,295
citations

394286

19
h-index

360920

35
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49
all docs

49
docs citations

49
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutational Analysis of the Ligand Binding Site of the Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 18277-18284.	1.6	220
2	A Novel Phospholipase C, PLC β 2, Is a Neuron-specific Isozyme. <i>Journal of Biological Chemistry</i> , 2005, 280, 29128-29134.	1.6	104
3	Astrocyte calcium waves propagate proximally by gap junction and distally by extracellular diffusion of ATP released from volume-regulated anion channels. <i>Scientific Reports</i> , 2017, 7, 13115.	1.6	102
4	Dual Regulation of Calcium Oscillation in Astrocytes by Growth Factors and Pro-Inflammatory Cytokines via the Mitogen-Activated Protein Kinase Cascade. <i>Journal of Neuroscience</i> , 2003, 23, 10944-10952.	1.7	91
5	Metabolic Plasticity of Astrocytes and Aging of the Brain. <i>International Journal of Molecular Sciences</i> , 2019, 20, 941.	1.8	62
6	Modelling the magnetic signature of neuronal tissue. <i>NeuroImage</i> , 2007, 37, 137-148.	2.1	55
7	Microvesicle-mediated exocytosis of glutamate is a novel paracrine-like chemical transduction mechanism and inhibits melatonin secretion in rat pinealocytes. <i>Journal of Pineal Research</i> , 1996, 21, 175-191.	3.4	49
8	Cell type-selective expression of green fluorescent protein and the calcium indicating protein, yellow cameleon, in rat cortical primary cultures. <i>Brain Research</i> , 2002, 956, 221-229.	1.1	48
9	Characterization of neural stem cells and their progeny in the sensory circumventricular organs of adult mouse. <i>Cell and Tissue Research</i> , 2015, 362, 347-365.	1.5	38
10	Microglia are continuously activated in the circumventricular organs of mouse brain. <i>Journal of Neuroimmunology</i> , 2019, 331, 74-86.	1.1	36
11	Astrocyte activation and wound healing in intact β skull mouse after focal brain injury. <i>European Journal of Neuroscience</i> , 2012, 36, 3653-3664.	1.2	35
12	Dual regulation of astrocyte gap junction hemichannels by growth factors and a pro-inflammatory cytokine via the mitogen-activated protein kinase cascade. <i>Glia</i> , 2007, 55, 508-515.	2.5	34
13	Neural stem cell phenotype of tanycyte-like ependymal cells in the circumventricular organs and central canal of adult mouse brain. <i>Scientific Reports</i> , 2020, 10, 2826.	1.6	33
14	The Diversity of Intermediate Filaments in Astrocytes. <i>Cells</i> , 2020, 9, 1604.	1.8	32
15	Lipopolysaccharide and proinflammatory cytokines require different astrocyte states to induce nitric oxide production. <i>Journal of Neuroscience Research</i> , 2005, 82, 717-728.	1.3	31
16	Autocrine activation of EGF receptor promotes oscillation of glutamate-induced calcium increase in astrocytes cultured in rat cerebral cortex. <i>Journal of Neurochemistry</i> , 2005, 95, 871-879.	2.1	27
17	Adverse effects of an active fragment of parathyroid hormone on rat hippocampal organotypic cultures. <i>British Journal of Pharmacology</i> , 2000, 129, 21-28.	2.7	26
18	Transmission at the squid giant synapse was blocked by tetanus toxin by affecting synaptobrevin, a vesicle β bound protein.. <i>Journal of Physiology</i> , 1994, 477, 129-133.	1.3	20

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19	Multiple inhibitory pathways for lipopolysaccharide- and pro-inflammatory cytokine-induced nitric oxide production in cultured astrocytes. <i>Neuroscience</i> , 2007, 144, 911-919.	1.1	19
20	Three-dimensional fluorescence imaging using the transport of intensity equation. <i>Journal of Biomedical Optics</i> , 2019, 25, 1.	1.4	19
21	High Cell Density Upregulates Calcium Oscillation by Increasing Calcium Store Content via Basal Mitogen-Activated Protein Kinase Activity. <i>PLoS ONE</i> , 2015, 10, e0137610.	1.1	19
22	VEGF- and PDGF-dependent proliferation of oligodendrocyte progenitor cells in the medulla oblongata after LPC-induced focal demyelination. <i>Journal of Neuroimmunology</i> , 2019, 332, 176-186.	1.1	17
23	Growth factors upregulate astrocyte $[Ca^{2+}]_i$ oscillation by increasing SERCA2b expression. <i>Glia</i> , 2010, 58, 1988-1995.	2.5	16
24	Ca ²⁺ -Dependent Induction of Intracellular Ca ²⁺ Oscillation in Hippocampal Astrocytes During Metabotropic Glutamate Receptor Activation. <i>Journal of Pharmacological Sciences</i> , 2005, 97, 212-218.	1.1	14
25	Activation of dihydropyridine sensitive Ca ²⁺ channels in rat hippocampal neurons in culture by parathyroid hormone. <i>Neuroscience Letters</i> , 1998, 256, 139-142.	1.0	12
26	Interaction of NAP-22 with brain glutamic acid decarboxylase (GAD). <i>Neuroscience Letters</i> , 2013, 537, 50-54.	1.0	12
27	Inhibitory effect of NAP-22 on the phosphatase activity of synaptotagmin-1. <i>Journal of Neuroscience Research</i> , 2012, 90, 21-27.	1.3	11
28	Identification of dynamin as a septin-binding protein. <i>Neuroscience Letters</i> , 2013, 534, 322-326.	1.0	11
29	Multiple pathways for elevating extracellular adenosine in the rat hippocampal CA1 region characterized by adenosine sensor cells. <i>Journal of Neurochemistry</i> , 2017, 140, 24-36.	2.1	11
30	Glutamate Receptor Subunit $\gamma 2$ Is Highly Expressed in a Novel Population of Glial-Like Cells in Rat Pineal Glands in Culture. <i>Journal of Neurochemistry</i> , 2002, 75, 1115-1122.	2.1	9
31	Expression of Group I Metabotropic Glutamate Receptors in Rat Hippocampal Cells in Culture and Their Characterization by Intracellular Calcium Ion Dynamics. <i>Journal of Pharmacological Sciences</i> , 2003, 92, 245-251.	1.1	9
32	A Novel Method to Quantify Calcium Response Pattern and Oscillation Using Fura2 and Acridine Orange. <i>Journal of Pharmacological Sciences</i> , 2004, 94, 25-30.	1.1	8
33	Pharmacological characterization of the involvement of protein kinase C in oscillatory and non-oscillatory calcium increases in astrocytes. <i>Journal of Pharmacological Sciences</i> , 2015, 129, 38-42.	1.1	8
34	Simultaneous imaging of phosphatidyl inositol metabolism and Ca ²⁺ levels in PC12h cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 673-678.	1.0	6
35	Use of the exogenous <i>Drosophila</i> octopamine receptor gene to study Gq-coupled receptor-mediated responses in mammalian neurons. <i>Neuroscience</i> , 2006, 137, 545-553.	1.1	6
36	Remyelination in the medulla oblongata of adult mouse brain during experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2018, 319, 41-54.	1.1	6

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37	Tight binding of NAP-22 with acidic membrane lipids. <i>Neuroscience Letters</i> , 2015, 600, 244-248.	1.0	5
38	Interaction of dynamin I with NAP-22, a neuronal protein enriched in the presynaptic region. <i>Neuroscience Letters</i> , 2018, 675, 59-63.	1.0	5
39	Novel aspects of extracellular adenosine dynamics revealed by adenosine sensor cells. <i>Neural Regeneration Research</i> , 2017, 12, 881.	1.6	5
40	A Novel Effect of Bifemelane, a Nootropic Drug, on Intracellular Ca ²⁺ Levels in Rat Cerebral Astrocytes. <i>Journal of Pharmacological Sciences</i> , 2006, 100, 126-132.	1.1	4
41	Effects of leptin on proliferation of astrocyte- and tanycyte-like neural stem cells in the adult mouse medulla oblongata. <i>Neuroscience Research</i> , 2021, 173, 44-53.	1.0	4
42	Effects of Bifemelane on the Calcium Level and ATP Release of the Human Origin Astrocyte Clonal Cell. <i>Journal of Pharmacological Sciences</i> , 2006, 102, 121-128.	1.1	3
43	Inhibitory Effect of the Phosphoinositide 3-Kinase Inhibitor LY294002 on Muscarinic Acetylcholine Receptor-Induced Calcium Entry in PC12h Cells. <i>Journal of Pharmacological Sciences</i> , 2007, 105, 258-263.	1.1	3
44	Receptor- and calcium-dependent induced inositol 1,4,5-trisphosphate increases in PC12h cells as shown by fluorescence resonance energy transfer imaging. <i>FEBS Journal</i> , 2007, 274, 5147-5157.	2.2	3
45	Structures of septin filaments prepared from rat brain and expressed in bacteria. <i>Protein Expression and Purification</i> , 2013, 87, 67-71.	0.6	3
46	Inhibitory effect of several sphingolipid metabolites on calcineurin. <i>Neuroscience Letters</i> , 2018, 673, 132-135.	1.0	3
47	Property of Glial Cells.. <i>Seibutsu Butsuri</i> , 1999, 39, 211-216.	0.0	1
48	Concise Synthesis of Hydroxy \hat{I}^2 -Methyl Fatty Acid Ethyl Esters. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 1195-1198.	0.6	0