

Toshiko Yamazawa

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

483
citations

759233

12
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

753
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide-induced calcium release via ryanodine receptors regulates neuronal function. <i>EMBO Journal</i> , 2012, 31, 417-428.	7.8	97
2	Chlorogenic acid, a polyphenol in coffee, protects neurons against glutamate neurotoxicity. <i>Life Sciences</i> , 2015, 139, 69-74.	4.3	83
3	Genotype-Phenotype Correlations of Malignant Hyperthermia and Central Core Disease Mutations in the Central Region of the RYR1 Channel. <i>Human Mutation</i> , 2016, 37, 1231-1241.	2.5	48
4	Divergent Activity Profiles of Type 1 Ryanodine Receptor Channels Carrying Malignant Hyperthermia and Central Core Disease Mutations in the Amino-Terminal Region. <i>PLoS ONE</i> , 2015, 10, e0130606.	2.5	43
5	Nitric oxide-induced calcium release. <i>Channels</i> , 2013, 7, 1-5.	2.8	33
6	Regulatory mechanisms of ryanodine receptor/Ca ²⁺ release channel revealed by recent advancements in structural studies. <i>Journal of Muscle Research and Cell Motility</i> , 2021, 42, 291-304.	2.0	31
7	Nitric Oxide-induced Activation of the Type 1 Ryanodine Receptor Is Critical for Epileptic Seizure-induced Neuronal Cell Death. <i>EBioMedicine</i> , 2016, 11, 253-261.	6.1	29
8	A novel RyR1-selective inhibitor prevents and rescues sudden death in mouse models of malignant hyperthermia and heat stroke. <i>Nature Communications</i> , 2021, 12, 4293.	12.8	26
9	Temporal switching and cell-to-cell variability in Ca ²⁺ release activity in mammalian cells. <i>Molecular Systems Biology</i> , 2009, 5, 247.	7.2	22
10	Single-cell temperature mapping with fluorescent thermometer nanosheets. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	16
11	Secretory glands and microvascular systems imaged in aqueous solution by atmospheric scanning electron microscopy (ASEM). <i>Microscopy Research and Technique</i> , 2016, 79, 1179-1187.	2.2	15
12	Essential Roles of Natural Products and Gaseous Mediators on Neuronal Cell Death or Survival. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1652.	4.1	12
13	Primary cultured neuronal networks and type 2 diabetes model mouse fatty liver tissues in aqueous liquid observed by atmospheric SEM (ASEM): Staining preferences of metal solutions. <i>Micron</i> , 2019, 118, 9-21.	2.2	10
14	Insights into channel modulation mechanism of RYR1 mutants using Ca ²⁺ imaging and molecular dynamics. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	8
15	Construction and Expression of Ryanodine Receptor Mutants Relevant to Malignant Hyperthermia Patients in Japan. <i>The Showa University Journal of Medical Sciences</i> , 2014, 26, 27-38.	0.1	6
16	Correlative light-electron microscopy in liquid using an inverted SEM (ASEM). <i>Methods in Cell Biology</i> , 2017, 140, 187-213.	1.1	2
17	CLEM of Neurons, Tissues and Biofilms immersed in Liquid using The Atmospheric Scanning Electron Microscope (ASEM): Dual Gold-Labeling. <i>Microscopy and Microanalysis</i> , 2018, 24, 340-341.	0.4	0