

# Yasuki Ishizaki

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,272  
citations

471509

17  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1867  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | A Role for Caspases in Lens Fiber Differentiation. <i>Journal of Cell Biology</i> , 1998, 140, 153-158.                                                                                                                             | 5.2 | 265       |
| 2  | TRPV2 Enhances Axon Outgrowth through Its Activation by Membrane Stretch in Developing Sensory and Motor Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 4601-4612.                                                             | 3.6 | 163       |
| 3  | A Role for p27/Kip1 in the Control of Cerebellar Granule Cell Precursor Proliferation. <i>Journal of Neuroscience</i> , 2000, 20, 5756-5763.                                                                                        | 3.6 | 143       |
| 4  | A caspase inhibitor blocks ischaemia-induced delayed neuronal death in the gerbil. <i>European Journal of Neuroscience</i> , 1998, 10, 777-781.                                                                                     | 2.6 | 100       |
| 5  | Dynamic Changes of CD44 Expression from Progenitors to Subpopulations of Astrocytes and Neurons in Developing Cerebellum. <i>PLoS ONE</i> , 2013, 8, e53109.                                                                        | 2.5 | 66        |
| 6  | TRPV4 activation at the physiological temperature is a critical determinant of neuronal excitability and behavior. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 2495-2507.                                    | 2.8 | 66        |
| 7  | Astrocytes express functional TRPV2 ion channels. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 327-332.                                                                                                  | 2.1 | 49        |
| 8  | Retinal Detachment-Induced Müller Glial Cell Swelling Activates TRPV4 Ion Channels and Triggers Photoreceptor Death at Body Temperature. <i>Journal of Neuroscience</i> , 2018, 38, 8745-8758.                                      | 3.6 | 48        |
| 9  | Cerebellar granule cell precursors can differentiate into astroglial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1211-1216.                                          | 7.1 | 42        |
| 10 | Transient receptor potential vanilloid 2 activation by focal mechanical stimulation requires interaction with the actin cytoskeleton and enhances growth cone motility. <i>FASEB Journal</i> , 2017, 31, 1368-1381.                 | 0.5 | 37        |
| 11 | Extracellular Vesicles from Vascular Endothelial Cells Promote Survival, Proliferation and Motility of Oligodendrocyte Precursor Cells. <i>PLoS ONE</i> , 2016, 11, e0159158.                                                       | 2.5 | 32        |
| 12 | Fibronectin on extracellular vesicles from microvascular endothelial cells is involved in the vesicle uptake into oligodendrocyte precursor cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 488, 232-238. | 2.1 | 31        |
| 13 | Hippocampal neuronal maturation triggers post-synaptic clustering of brain temperature-sensor TRPV4. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 168-173.                                               | 2.1 | 30        |
| 14 | POSSIBLE INVOLVEMENT OF A CHLORIDE-BICARBONATE EXCHANGER IN APOPTOSIS OF ENDOTHELIAL CELLS AND CARDIOMYOCYTES. <i>Cell Biology International</i> , 1999, 23, 241-249.                                                               | 3.0 | 27        |
| 15 | CD44-Positive Cells Are Candidates for Astrocyte Precursor Cells in Developing Mouse Cerebellum. <i>Cerebellum</i> , 2012, 11, 181-193.                                                                                             | 2.5 | 23        |
| 16 | Brain microvascular endothelial cell transplantation ameliorates ischemic white matter damage. <i>Brain Research</i> , 2012, 1469, 43-53.                                                                                           | 2.2 | 20        |
| 17 | X-ray irradiation induces disruption of the blood-brain barrier with localized changes in claudin-5 and activation of microglia in the mouse brain. <i>Neurochemistry International</i> , 2018, 119, 199-206.                       | 3.8 | 19        |
| 18 | Temperature elevation in epileptogenic foci exacerbates epileptic discharge through TRPV4 activation. <i>Laboratory Investigation</i> , 2020, 100, 274-284.                                                                         | 3.7 | 19        |

| #  | ARTICLE                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Transplanted microvascular endothelial cells promote oligodendrocyte precursor cell survival in ischemic demyelinating lesions. <i>Journal of Neurochemistry</i> , 2015, 135, 539-550.                                     | 3.9 | 15        |
| 20 | Transplantation of iPS cell-derived vascular endothelial cells improves white matter ischemic damage. <i>Journal of Neurochemistry</i> , 2020, 153, 759-771.                                                               | 3.9 | 12        |
| 21 | Cerebellar neural stem cells differentiate into two distinct types of astrocytes in response to CNTF and BMP2. <i>Neuroscience Letters</i> , 2013, 552, 15-20.                                                             | 2.1 | 11        |
| 22 | TRPC5 regulates axonal outgrowth in developing retinal ganglion cells. <i>Laboratory Investigation</i> , 2020, 100, 297-310.                                                                                               | 3.7 | 11        |
| 23 | Cerebral capillary endothelial cells are covered by the VEGF-expressing foot processes of astrocytes. <i>Neuroscience Letters</i> , 2011, 497, 116-121.                                                                    | 2.1 | 10        |
| 24 | FGF-2 signal promotes proliferation of cerebellar progenitor cells and their oligodendrocytic differentiation at early postnatal stage. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1091-1096. | 2.1 | 8         |
| 25 | Deletion of Class II ADP-Ribosylation Factors in Mice Causes Tremor by the Nav1.6 Loss in Cerebellar Purkinje Cell Axon Initial Segments. <i>Journal of Neuroscience</i> , 2019, 39, 6339-6353.                            | 3.6 | 8         |
| 26 | BMP4 signaling in NPCs upregulates Bcl-xL to promote their survival in the presence of FGF-2. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 588-593.                                             | 2.1 | 7         |
| 27 | The dynamics of revascularization after white matter infarction monitored in Flt1-tdsRed and Flk1-GFP mice. <i>Neuroscience Letters</i> , 2019, 692, 70-76.                                                                | 2.1 | 5         |
| 28 | Temporal Changes in Transcription Factor Expression Associated with the Differentiation State of Cerebellar Neural Stem/Progenitor Cells During Development. <i>Neurochemical Research</i> , 2018, 43, 205-211.            | 3.3 | 3         |
| 29 | A migration stimulating factor for vascular endothelial cells is released by cultured astrocytes.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 1990, 66, 81-83.                   | 3.8 | 1         |
| 30 | The Ser19Stop single nucleotide polymorphism (SNP) of human PHYHIPL affects the cerebellum in mice. <i>Molecular Brain</i> , 2021, 14, 52.                                                                                 | 2.6 | 1         |