

# Miyuki Unekawa

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

355  
citations

1040056

9  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquaporin-4 facilitates paravascular space closure and neuronal activity reduction after water intoxication. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 2-YIA-34.	0.0	0
2	Spatiotemporal dynamics of red blood cells in capillaries in layer I of the cerebral cortex and changes in arterial diameter during cortical spreading depression and response to hypercapnia in anesthetized mice. Microcirculation, 2019, 26, e12552.	1.8	2
3	Enhanced susceptibility to cortical spreading depression in two types of Na <sup>+</sup> ,K <sup>+</sup> -ATPase $\beta$ 2 subunit-deficient mice as a model of familial hemiplegic migraine 2. Cephalalgia, 2018, 38, 1515-1524.	3.9	49
4	Dynamic diameter response of intraparenchymal penetrating arteries during cortical spreading depression and elimination of vasoreactivity to hypercapnia in anesthetized mice. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 657-670.	4.3	9
5	Alterations in the threshold of the potassium concentration to evoke cortical spreading depression during the natural estrous cycle in mice. Neuroscience Research, 2016, 112, 57-62.	1.9	19
6	Unveiling astrocytic control of cerebral blood flow with optogenetics. Scientific Reports, 2015, 5, 11455.	3.3	72
7	Hyperperfusion Counteracted by Transient Rapid Vasoconstriction Followed by Long-Lasting Oligemia Induced by Cortical Spreading Depression in Anesthetized Mice. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 689-698.	4.3	15
8	Potassium-induced cortical spreading depression bilaterally suppresses the electroencephalogram but only ipsilaterally affects red blood cell velocity in intraparenchymal capillaries. Journal of Neuroscience Research, 2013, 91, 578-584.	2.9	9
9	Suppressive effect of chronic peroral topiramate on potassium-induced cortical spreading depression in rats. Cephalalgia, 2012, 32, 518-527.	3.9	21
10	Sustained Decrease and Remarkable Increase in Red Blood Cell Velocity in Intraparenchymal Capillaries Associated With Potassium-Induced Cortical Spreading Depression. Microcirculation, 2012, 19, 166-174.	1.8	21
11	Oscillating neuro-capillary coupling during cortical spreading depression as observed by tracking of FITC-labeled RBCs in single capillaries. NeuroImage, 2011, 56, 1001-1010.	4.2	26
12	RBC velocities in single capillaries of mouse and rat brains are the same, despite 10-fold difference in body size. Brain Research, 2010, 1320, 69-73.	2.2	68
13	Exogenous nitric oxide increases microflow but decreases RBC attendance in single capillaries in rat cerebral cortex. Microvascular Reviews and Communications, 2009, 3, 11-16.	0.0	5
14	Automated Method for Tracking Vast Numbers of FITC-Labeled RBCs in Microvessels of Rat Brain <i>In Vivo</i> Using a High-Speed Confocal Microscope System. Microcirculation, 2008, 15, 163-174.	1.8	26
15	Depolarization increases cellular light transmission. Nature Precedings, 2008, , .	0.1	0
16	Sampling rate-dependent RBC velocity in intraparenchymal single capillaries of rat cerebral cortex. Microvascular Reviews and Communications, 2007, 1, 12-15.	0.0	2
17	Effect of Gosha-jinki-gan, a Kampo medicine, on cortical blood flow of rat brain as observed by hemodilution technique and high-speed confocal microscopy. Microvascular Reviews and Communications, 2007, 1, 16-19.	0.0	0
18	Spatial and temporal heterogeneity of single capillary plasma flow and RBC tracking in the rat cerebral cortex. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S164-S164.	4.3	3

#	ARTICLE	IF	CITATIONS
19	Software (KEIO-IS2) for automatically tracking red blood cells (RBCs) with calculation of individual RBC velocities in single capillaries of rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S541-S541.	4.3	8
20	Intramicrovascular behavior of platelets in rat brain observed by high-speed laser confocal fluorescence microscopy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S170-S170.	4.3	0
21	Changes of flow velocity and RBC tracking in single capillaries and capillary densities during severe hypotension in rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S174-S174.	4.3	0