Anusha Mishra

List of Publications by Year in descending order

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Δημισμα Μισμαα

#	Article	IF	CITATIONS
1	Capillary pericytes regulate cerebral blood flow in health and disease. Nature, 2014, 508, 55-60.	27.8	1,466
2	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	14.8	1,098
3	What is a pericyte?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 451-455.	4.3	481
4	Amyloid β oligomers constrict human capillaries in Alzheimer's disease via signaling to pericytes. Science, 2019, 365, .	12.6	436
5	Astrocytes mediate neurovascular signaling to capillary pericytes but not to arterioles. Nature Neuroscience, 2016, 19, 1619-1627.	14.8	435
6	Imaging pericytes and capillary diameter in brain slices and isolated retinae. Nature Protocols, 2014, 9, 323-336.	12.0	98
7	Inhibition of inducible nitric oxide synthase reverses the loss of functional hyperemia in diabetic retinopathy. Glia, 2010, 58, 1996-2004.	4.9	95
8	Binaural blood flow control by astrocytes: listening to synapses and the vasculature. Journal of Physiology, 2017, 595, 1885-1902.	2.9	82
9	Oxygen modulation of neurovascular coupling in the retina. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17827-17831.	7.1	78
10	Spatially mapped single-cell chromatin accessibility. Nature Communications, 2021, 12, 1274.	12.8	53
11	Neurovascular Coupling in Development and Disease: Focus on Astrocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 702832.	3.7	48
12	Spontaneous Glial Calcium Waves in the Retina Develop over Early Adulthood. Journal of Neuroscience, 2009, 29, 11339-11346.	3.6	46
13	Interpreting BOLD: towards a dialogue between cognitive and cellular neuroscience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150348.	4.0	46
14	Astrocyte dysfunction and neurovascular impairment in neurological disorders: Correlation or causation?. Neurochemistry International, 2019, 128, 70-84.	3.8	40
15	More than just summed neuronal activity: how multiple cell types shape the BOLD response. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190630.	4.0	34
16	Therapeutic Genome Editing in Cardiovascular Diseases. JACC Basic To Translational Science, 2019, 4, 122-131.	4.1	32
17	Aminoguanidine Reverses the Loss of Functional Hyperemia in a Rat Model of Diabetic Retinopathy. Frontiers in Neuroenergetics, 2011, 3, 10.	5.3	29
18	Cells of the Blood–Brain Barrier: An Overview of the Neurovascular Unit in Health and Disease. Methods in Molecular Biology, 2022, , 3-24.	0.9	26

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19	Mechanism and potential treatment of the "no reflow―phenomenon after acute myocardial infarction: role of pericytes and GPR39. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1030-H1041.	3.2	21
20	Pericyte constriction underlies capillary derecruitment during hyperemia in the setting of arterial stenosis. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H255-H263.	3.2	18
21	Increased 20-HETE Signaling Suppresses Capillary Neurovascular Coupling After Ischemic Stroke in Regions Beyond the Infarct. Frontiers in Cellular Neuroscience, 2021, 15, 762843.	3.7	12
22	Assessment of Glial Function in the In Vivo Retina. Methods in Molecular Biology, 2012, 814, 499-514.	0.9	10
23	Keeping the Brain Well Fed: The Role of Capillaries and Arterioles in Orchestrating Functional Hyperemia. Neuron, 2018, 99, 248-250.	8.1	9
24	Key relationships between non-invasive functional neuroimaging and the underlying neuronal activity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190622.	4.0	9
25	Angiogenic neovessels promote tissue hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10458-10460.	7.1	5
26	The Role of Pericytes in Hyperemia-Induced Capillary De-Recruitment Following Stenosis. Current Tissue Microenvironment Reports, 2020, 1, 163-169.	3.2	3
27	The High Energy Cost of Theta–Gamma Activity during REM Sleep. Trends in Neurosciences, 2019, 42, 239-241.	8.6	2
28	Assaying activity-dependent arteriole and capillary responses in brain slices. Neurophotonics, 2022, 9, 031913.	3.3	1