

Anusha Mishra

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

4,721
citations

430442

18
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

6185
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary pericytes regulate cerebral blood flow in health and disease. <i>Nature</i> , 2014, 508, 55-60.	13.7	1,466
2	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021, 24, 312-325.	7.1	1,098
3	What is a pericyte?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 451-455.	2.4	481
4	Amyloid β oligomers constrict human capillaries in Alzheimer's disease via signaling to pericytes. <i>Science</i> , 2019, 365, .	6.0	436
5	Astrocytes mediate neurovascular signaling to capillary pericytes but not to arterioles. <i>Nature Neuroscience</i> , 2016, 19, 1619-1627.	7.1	435
6	Imaging pericytes and capillary diameter in brain slices and isolated retinæ. <i>Nature Protocols</i> , 2014, 9, 323-336.	5.5	98
7	Inhibition of inducible nitric oxide synthase reverses the loss of functional hyperemia in diabetic retinopathy. <i>Glia</i> , 2010, 58, 1996-2004.	2.5	95
8	Binaural blood flow control by astrocytes: listening to synapses and the vasculature. <i>Journal of Physiology</i> , 2017, 595, 1885-1902.	1.3	82
9	Oxygen modulation of neurovascular coupling in the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17827-17831.	3.3	78
10	Spatially mapped single-cell chromatin accessibility. <i>Nature Communications</i> , 2021, 12, 1274.	5.8	53
11	Neurovascular Coupling in Development and Disease: Focus on Astrocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 702832.	1.8	48
12	Spontaneous Glial Calcium Waves in the Retina Develop over Early Adulthood. <i>Journal of Neuroscience</i> , 2009, 29, 11339-11346.	1.7	46
13	Interpreting BOLD: towards a dialogue between cognitive and cellular neuroscience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150348.	1.8	46
14	Astrocyte dysfunction and neurovascular impairment in neurological disorders: Correlation or causation?. <i>Neurochemistry International</i> , 2019, 128, 70-84.	1.9	40
15	More than just summed neuronal activity: how multiple cell types shape the BOLD response. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190630.	1.8	34
16	Therapeutic Genome Editing in Cardiovascular Diseases. <i>JACC Basic To Translational Science</i> , 2019, 4, 122-131.	1.9	32
17	Aminoguanidine Reverses the Loss of Functional Hyperemia in a Rat Model of Diabetic Retinopathy. <i>Frontiers in Neuroenergetics</i> , 2011, 3, 10.	5.3	29
18	Cells of the Blood-Brain Barrier: An Overview of the Neurovascular Unit in Health and Disease. <i>Methods in Molecular Biology</i> , 2022, , 3-24.	0.4	26

#	ARTICLE	IF	CITATIONS
19	Mechanism and potential treatment of the "no reflow" phenomenon after acute myocardial infarction: role of pericytes and GPR39. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H1030-H1041.	1.5	21
20	Pericyte constriction underlies capillary derecruitment during hyperemia in the setting of arterial stenosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H255-H263.	1.5	18
21	Increased 20-HETE Signaling Suppresses Capillary Neurovascular Coupling After Ischemic Stroke in Regions Beyond the Infarct. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 762843.	1.8	12
22	Assessment of Glial Function in the In Vivo Retina. <i>Methods in Molecular Biology</i> , 2012, 814, 499-514.	0.4	10
23	Keeping the Brain Well Fed: The Role of Capillaries and Arterioles in Orchestrating Functional Hyperemia. <i>Neuron</i> , 2018, 99, 248-250.	3.8	9
24	Key relationships between non-invasive functional neuroimaging and the underlying neuronal activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20190622.	1.8	9
25	Angiogenic neovessels promote tissue hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10458-10460.	3.3	5
26	The Role of Pericytes in Hyperemia-Induced Capillary De-Recruitment Following Stenosis. <i>Current Tissue Microenvironment Reports</i> , 2020, 1, 163-169.	1.3	3
27	The High Energy Cost of Theta-Gamma Activity during REM Sleep. <i>Trends in Neurosciences</i> , 2019, 42, 239-241.	4.2	2
28	Assaying activity-dependent arteriole and capillary responses in brain slices. <i>Neurophotonics</i> , 2022, 9, 031913.	1.7	1