Anusha Mishra

List of Publications by Year
in descending order

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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	Assaying activity-dependent arteriole and capillary responses in brain slices. Neurophotonics, 2022, 9, 031913.	1.7	1
2	Cells of the Bloodâ€“Brain Barrier: An Overview of the Neurovascular Unit in Health and Disease. Methods in Molecular Biology, 2022, , 3-24.	0.4	26
3	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.	1.8	34
4	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	7.1	1,098
5	Spatially mapped single-cell chromatin accessibility. Nature Communications, 2021, 12, 1274.	5.8	53
6	Neurovascular Coupling in Development and Disease: Focus on Astrocytes. Frontiers in Cell and Developmental Biology, 2021, 9, 702832.	1.8	48
7	Key relationships between non-invasive functional neuroimaging and the underlying neuronal activity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190622.	1.8	9
8	Mechanism and potential treatment of the â€œno reflowâ€•phenomenon after acute myocardial infarction: role of pericytes and GPR39. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1030-H1041.	1.5	21
9	Increased 20-HETE Signaling Suppresses Capillary Neurovascular Coupling After Ischemic Stroke in Regions Beyond the Infarct. Frontiers in Cellular Neuroscience, 2021, 15, 762843.	1.8	12
10	The Role of Pericytes in Hyperemia-Induced Capillary De-Recruitment Following Stenosis. Current Tissue Microenvironment Reports, 2020, 1, 163-169.	1.3	3
11	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.	1.5	18
12	Amyloid Î² oligomers constrict human capillaries in Alzheimerâ€™s disease via signaling to pericytes. Science, 2019, 365, .	6.0	436
13	The High Energy Cost of Thetaâ€“Gamma Activity during REM Sleep. Trends in Neurosciences, 2019, 42, 239-241.	4.2	2
14	Therapeutic Genome Editing in Cardiovascular Diseases. JACC Basic To Translational Science, 2019, 4, 122-131.	1.9	32
15	Astrocyte dysfunction and neurovascular impairment in neurological disorders: Correlation or causation?. Neurochemistry International, 2019, 128, 70-84.	1.9	40
16	Keeping the Brain Well Fed: The Role of Capillaries and Arterioles in Orchestrating Functional Hyperemia. Neuron, 2018, 99, 248-250.	3.8	9
17	Binaural blood flow control by astrocytes: listening to synapses and the vasculature. Journal of Physiology, 2017, 595, 1885-1902.	1.3	82
18	Interpreting BOLD: towards a dialogue between cognitive and cellular neuroscience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150348.	1.8	46

#	Article	IF	Citations
19	Angiogenic neovessels promote tissue hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10458-10460.	3.3	5
20	Astrocytes mediate neurovascular signaling to capillary pericytes but not to arterioles. Nature Neuroscience, 2016, 19, 1619-1627.	7.1	435
21	What is a pericyte?. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 451-455.	2.4	481
22	Capillary pericytes regulate cerebral blood flow in health and disease. Nature, 2014, 508, 55-60.	13.7	1,466
23	Imaging pericytes and capillary diameter in brain slices and isolated retinae. Nature Protocols, 2014, 9, 323-336.	5.5	98
24	Assessment of Glial Function in the In Vivo Retina. Methods in Molecular Biology, 2012, 814, 499-514.	0.4	10
25	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.	3.3	78
26	Aminoguanidine Reverses the Loss of Functional Hyperemia in a Rat Model of Diabetic Retinopathy. Frontiers in Neuroenergetics, 2011, 3, 10.	5.3	29
27	Inhibition of inducible nitric oxide synthase reverses the loss of functional hyperemia in diabetic retinopathy. Glia, 2010, 58, 1996-2004.	2.5	95
28	Spontaneous Glial Calcium Waves in the Retina Develop over Early Adulthood. Journal of Neuroscience, 2009, 29, 11339-11346.	1.7	46