

Yixing Du

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

371
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Gap junction coupling confers isopotentiality on astrocyte syncytium. <i>Glia</i> , 2016, 64, 214-226.	4.9	105
2	Syncytial isopotentiality: A system-wide electrical feature of astrocytic networks in the brain. <i>Glia</i> , 2018, 66, 2756-2769.	4.9	42
3	Electrophysiological behavior of neonatal astrocytes in hippocampal stratum radiatum. <i>Molecular Brain</i> , 2016, 9, 34.	2.6	37
4	Genetic Deletion of TREK-1 or TWIK-1/TREK-1 Potassium Channels does not Alter the Basic Electrophysiological Properties of Mature Hippocampal Astrocytes In Situ. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 13.	3.7	34
5	Microglia maintain the normal structure and function of the hippocampal astrocyte network. <i>Glia</i> , 2022, 70, 1359-1379.	4.9	29
6	Freshly dissociated mature hippocampal astrocytes exhibit passive membrane conductance and low membrane resistance similarly to syncytial coupled astrocytes. <i>Journal of Neurophysiology</i> , 2015, 113, 3744-3750.	1.8	28
7	Dissipation of transmembrane potassium gradient is the main cause of cerebral ischemia-induced depolarization in astrocytes and neurons. <i>Experimental Neurology</i> , 2018, 303, 1-11.	4.1	21
8	TREK-1 Null Impairs Neuronal Excitability, Synaptic Plasticity, and Cognitive Function. <i>Molecular Neurobiology</i> , 2020, 57, 1332-1346.	4.0	18
9	On the electrical passivity of astrocyte potassium conductance. <i>Journal of Neurophysiology</i> , 2021, 126, 1403-1419.	1.8	15
10	Syncytial Isopotentiality: An Electrical Feature of Spinal Cord Astrocyte Networks. <i>Neuroglia (Basel,)</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	14
11	Chronic Stress Impairs the Structure and Function of Astrocyte Networks in an Animal Model of Depression. <i>Neurochemical Research</i> , 2023, 48, 1191-1210.	3.3	13
12	mGluR3 Activation Recruits Cytoplasmic TWIK-1 Channels to Membrane that Enhances Ammonium Uptake in Hippocampal Astrocytes. <i>Molecular Neurobiology</i> , 2016, 53, 6169-6182.	4.0	11
13	Analysis of the Functional States of an Astrocyte Syncytium. <i>Neuromethods</i> , 2020, , 285-313.	0.3	4