

Swagata Ghatak

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

371
citations

1163117

8
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	NitroSynapsin ameliorates hypersynchronous neural network activity in Alzheimer hiPSC models. <i>Molecular Psychiatry</i> , 2021, 26, 5751-5765.	7.9	43
2	Novel Therapeutic Approach for Excitatory/Inhibitory Imbalance in Neurodevelopmental and Neurodegenerative Diseases. <i>Annual Review of Pharmacology and Toxicology</i> , 2021, 61, 701-721.	9.4	24
3	Î±-Synuclein Oligomers Induce Glutamate Release from Astrocytes and Excessive Extrasynaptic NMDAR Activity in Neurons, Thus Contributing to Synapse Loss. <i>Journal of Neuroscience</i> , 2021, 41, 2264-2273.	3.6	66
4	S-nitrosylated TDP-43 triggers aggregation, cell-to-cell spread, and neurotoxicity in hiPSCs and in vivo models of ALS/FTD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	28
5	Emerging hiPSC Models for Drug Discovery in Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8196.	4.1	9
6	Patch clamp data driven stochastic modeling and simulation of hTREK1 potassium ion channel gating. <i>Chemical Physics</i> , 2019, 516, 182-190.	1.9	0
7	Mechanisms of hyperexcitability in Alzheimerâ€™s disease hiPSC-derived neurons and cerebral organoids vs isogenic controls. <i>ELife</i> , 2019, 8, .	6.0	143
8	Parkinsonâ€™s disease: what the model systems have taught us so far. <i>Journal of Genetics</i> , 2018, 97, 729-751.	0.7	15
9	â€œLactate mediates neuroprotection against ischaemia by increasing <sc>TREK</sc>1 channel expression in rat hippocampal astrocytes <i>inÂvitro</i>. <i>Journal of Neurochemistry</i> , 2016, 138, 265-281.	3.9	20
10	Ischaemic concentrations of lactate increase TREK1 channel activity by interacting with a single histidine residue in the carboxy terminal domain. <i>Journal of Physiology</i> , 2016, 594, 59-81.	2.9	12
11	Lactate modulates the intracellular pH sensitivity of human TREK1 channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 825-836.	2.8	5