

Mahendra Singh

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

152
citations

1478505

6
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	AMPA induced Ca ²⁺ influx in motor neurons occurs through voltage gated Ca ²⁺ channel and Ca ²⁺ permeable AMPA receptor. <i>Neurochemistry International</i> , 2011, 59, 913-921.	3.8	28
2	AMPA receptor activation causes preferential mitochondrial Ca ²⁺ load and oxidative stress in motor neurons. <i>Brain Research</i> , 2015, 1616, 1-9.	2.2	24
3	A Well-Defined Readily Releasable Pool with Fixed Capacity for Storing Vesicles at Calyx of Held. <i>PLoS Computational Biology</i> , 2016, 12, e1004855.	3.2	24
4	Presynaptic GCaMP expression decreases vesicle release probability at the calyx of Held. <i>Synapse</i> , 2018, 72, e22040.	1.2	19
5	Presynaptic loss of dynamin-related protein 1 impairs synaptic vesicle release and recycling at the mouse calyx of Held. <i>Journal of Physiology</i> , 2018, 596, 6263-6287.	2.9	17
6	GSK3 β inhibition restores cortical gamma oscillation and cognitive behavior in a mouse model of NMDA receptor hypofunction relevant to schizophrenia. <i>Neuropsychopharmacology</i> , 2020, 45, 2207-2218.	5.4	17
7	Developmental shift to mitochondrial respiration for energetic support of sustained transmission during maturation at the calyx of Held. <i>Journal of Neurophysiology</i> , 2021, 126, 976-996.	1.8	8
8	Age-related defects in short-term plasticity are reversed by acetyl-L-carnitine at the mouse calyx of Held. <i>Neurobiology of Aging</i> , 2018, 67, 108-119.	3.1	6
9	5-HT _{2A} receptor dysregulation in a schizophrenia relevant mouse model of NMDA receptor hypofunction. <i>Translational Psychiatry</i> , 2022, 12, 168.	4.8	5
10	Depalmitoylation preferentially downregulates AMPA induced Ca ²⁺ signaling and neurotoxicity in motor neurons. <i>Brain Research</i> , 2013, 1529, 143-153.	2.2	4