

Antonella Marte

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

971
citations

567281

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times ranked

1685
citing authors

#	ARTICLE	IF	CITATIONS
1	LRRK2 phosphorylates pre-synaptic N-ethylmaleimide sensitive fusion (NSF) protein enhancing its ATPase activity and SNARE complex disassembling rate. <i>Molecular Neurodegeneration</i> , 2016, 11, 1.	10.8	128
2	PRRT2 Is a Key Component of the Ca ²⁺ -Dependent Neurotransmitter Release Machinery. <i>Cell Reports</i> , 2016, 15, 117-131.	6.4	121
3	Leucine-Rich Repeat Kinase 2 Binds to Neuronal Vesicles through Protein Interactions Mediated by Its C-Terminal WD40 Domain. <i>Molecular and Cellular Biology</i> , 2014, 34, 2147-2161.	2.3	91
4	LRRK2 kinase activity regulates synaptic vesicle trafficking and neurotransmitter release through modulation of LRRK2 macro-molecular complex. <i>Frontiers in Molecular Neuroscience</i> , 2014, 7, 49.	2.9	82
5	SYN2 is an autism predisposing gene: loss-of-function mutations alter synaptic vesicle cycling and axon outgrowth. <i>Human Molecular Genetics</i> , 2014, 23, 90-103.	2.9	80
6	Phosphorylation of Synapsin I by Cyclin-Dependent Kinase-5 Sets the Ratio between the Resting and Recycling Pools of Synaptic Vesicles at Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2014, 34, 7266-7280.	3.6	65
7	A Novel Topology of Proline-rich Transmembrane Protein 2 (PRRT2). <i>Journal of Biological Chemistry</i> , 2016, 291, 6111-6123.	3.4	59
8	The LRRK2 G2385R variant is a partial loss-of-function mutation that affects synaptic vesicle trafficking through altered protein interactions. <i>Scientific Reports</i> , 2017, 7, 5377.	3.3	49
9	Aspartate as an amino acid neurotransmitter: mechanisms of the depolarization-induced release from cerebrocortical synaptosomes. <i>Journal of Neurochemistry</i> , 2009, 110, 924-934.	3.9	48
10	In vivo effects of phosphodiesterase inhibition on basal cyclic guanosine monophosphate levels in the prefrontal cortex, hippocampus and cerebellum of freely moving rats. <i>Journal of Neuroscience Research</i> , 2008, 86, 3338-3347.	2.9	25
11	Altered mechanisms underlying the abnormal glutamate release in amyotrophic lateral sclerosis at a pre-symptomatic stage of the disease. <i>Neurobiology of Disease</i> , 2016, 95, 122-133.	4.4	25
12	Synapsins Are Downstream Players of the BDNF-Mediated Axonal Growth. <i>Molecular Neurobiology</i> , 2017, 54, 484-494.	4.0	25
13	Leucine-rich repeat kinase 2 phosphorylation on synapsin I regulates glutamate release at pre-synaptic sites. <i>Journal of Neurochemistry</i> , 2019, 150, 264-281.	3.9	25
14	Acute knockdown of Depdc5 leads to synaptic defects in mTOR-related epileptogenesis. <i>Neurobiology of Disease</i> , 2020, 139, 104822.	4.4	22
15	Trafficking of the glutamate transporter is impaired in LRRK2-related Parkinson's disease. <i>Acta Neuropathologica</i> , 2022, 144, 81-106.	7.7	22
16	Synapsin I and Synapsin II regulate neurogenesis in the dentate gyrus of adult mice. <i>Oncotarget</i> , 2018, 9, 18760-18774.	1.8	18
17	Increased responsiveness at the cerebellar input stage in the PRRT2 knockout model of paroxysmal kinesigenic dyskinesia. <i>Neurobiology of Disease</i> , 2021, 152, 105275.	4.4	15
18	PRRT2 modulates presynaptic Ca ²⁺ influx by interacting with P/Q-type channels. <i>Cell Reports</i> , 2021, 35, 109248.	6.4	15

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19	Presynaptic L-Type Ca ²⁺ Channels Increase Glutamate Release Probability and Excitatory Strength in the Hippocampus during Chronic Neuroinflammation. <i>Journal of Neuroscience</i> , 2020, 40, 6825-6841.	3.6	14
20	Alterations of glutamate release in the spinal cord of mice with experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2010, 115, 343-352.	3.9	12
21	Altered fronto-striatal functions in the Gdi1-null mouse model of X-linked Intellectual Disability. <i>Neuroscience</i> , 2017, 344, 346-359.	2.3	10
22	The LRRK2 N-terminal domain influences vesicle trafficking: impact of the E193K variant. <i>Scientific Reports</i> , 2020, 10, 3799.	3.3	9
23	REST/NRSF drives homeostatic plasticity of inhibitory synapses in a target-dependent fashion. <i>ELife</i> , 2021, 10, .	6.0	7
24	A Bioactive Olive Pomace Extract Prevents the Death of Murine Cortical Neurons Triggered by NMDAR Over-Activation. <i>Molecules</i> , 2020, 25, 4385.	3.8	4
25	LRRK2 modulates neuronal vesicles cycle through protein interactions. <i>SpringerPlus</i> , 2015, 4, .	1.2	0