Giulia Ponterio

List of Publications by Year
in descending order

25 papers	1,019 citations	471509 17 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	1046 citing authors

#	Article	IF	Citations
1	Anticholinergic drugs rescue synaptic plasticity in DYT1 dystonia: Role of M₁ muscarinic receptors. Movement Disorders, 2014, 29, 1655-1665.	3.9	152
2	Centrality of Striatal Cholinergic Transmission in Basal Ganglia Function. Frontiers in Neuroanatomy, 2011, 5, 6.	1.7	113
3	Cholinergic Dysfunction Alters Synaptic Integration between Thalamostriatal and Corticostriatal Inputs in DYT1 Dystonia. Journal of Neuroscience, 2012, 32, 11991-12004.	3.6	93
4	Developmental Profile of the Aberrant Dopamine D2 Receptor Response in Striatal Cholinergic Interneurons in DYT1 Dystonia. PLoS ONE, 2011, 6, e24261.	2.5	77
5	Regional specificity of synaptic plasticity deficits in a knock-in mouse model of DYT1 dystonia. Neurobiology of Disease, 2014, 65, 124-132.	4.4	69
6	Early structural and functional plasticity alterations in a susceptibility period of DYT1 dystonia mouse striatum. ELife, 2018, 7, .	6.0	60
7	<scp>RGS</scp> 9â€2 rescues dopamine D2 receptor levels and signaling in <scp>DYT</scp> 1 dystonia mouse models. EMBO Molecular Medicine, 2019, 11, .	6.9	44
8	Powerful inhibitory action of mu opioid receptors (MOR) on cholinergic interneuron excitability in the dorsal striatum. Neuropharmacology, 2013, 75, 78-85.	4.1	43
9	Optogenetic stimulation reveals distinct modulatory properties of thalamostriatal vs corticostriatal glutamatergic inputs to fast-spiking interneurons. Scientific Reports, 2015, 5, 16742.	3.3	42
10	Cerebellar synaptogenesis is compromised in mouse models of DYT1 dystonia. Experimental Neurology, 2015, 271, 457-467.	4.1	39
11	Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission. Neuropharmacology, 2011, 61, 632-637.	4.1	36
12	Abnormal striatal plasticity in a DYT11/SGCE myoclonus dystonia mouse model is reversed by adenosine A2A receptor inhibition. Neurobiology of Disease, 2017, 108, 128-139.	4.4	34
13	Negative allosteric modulation of mGlu5 receptor rescues striatal D2 dopamine receptor dysfunction in rodent models of DYT1 dystonia. Neuropharmacology, 2014, 85, 440-450.	4.1	33
14	Rhes regulates dopamine D2 receptor transmission in striatal cholinergic interneurons. Neurobiology of Disease, 2015, 78, 146-161.	4.4	25
15	Torsin A Localization in the Mouse Cerebellar Synaptic Circuitry. PLoS ONE, 2013, 8, e68063.	2.5	24
16	Impaired dopamine- and adenosine-mediated signaling and plasticity in a novel rodent model for DYT25 dystonia. Neurobiology of Disease, 2020, 134, 104634.	4.4	22
17	Enhanced mu opioid receptorâ€“dependent opioidergic modulation of striatal cholinergic transmission in DYT1 dystonia. Movement Disorders, 2018, 33, 310-320.	3.9	20
18	Aberrant striatal synaptic plasticity in monogenic parkinsonisms. Neuroscience, 2012, 211, 126-135.	2.3	18

#	Article	IF	Citations
19	Loss of Non-Apoptotic Role of Caspase-3 in the PINK1 Mouse Model of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 3407.	4.1	18
20	Optogenetic Activation of Striatopallidal Neurons Reveals Altered HCN Gating in DYT1 Dystonia. Cell Reports, 2020, 31, 107644.	6.4	16
21	Dystonia: Are animal models relevant in therapeutics?. Revue Neurologique, 2018, 174, 608-614.	1.5	11
22	Models of dystonia: an update. Journal of Neuroscience Methods, 2020, 339, 108728.	2.5	11
23	Vesicular Acetylcholine Transporter Alters Cholinergic Tone and Synaptic Plasticity in <scp>DYT1</scp> Dystonia. Movement Disorders, 2021, 36, 2768-2779.	3.9	10
24	Alphaâ€Synuclein is Involved in <scp>DYT1</scp> Dystonia Striatal Synaptic Dysfunction. Movement Disorders, 2022, 37, 949-961.	3.9	7
25	How relevant is the cholinergic system in DYT1 dystonia?. Basal Ganglia, 2012, 2, 227-230.	0.3	0