

Maria Rosaria Domenici

List of Publications by Citations

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37
papers

1,215
citations

20
h-index

34
g-index

37
ext. papers

1,305
ext. citations

5.1
avg, IF

3.53
L-index

#	Paper	IF	Citations
37	Adenosine A2A receptors and brain injury: broad spectrum of neuroprotection, multifaceted actions and "fine tuning" modulation. <i>Progress in Neurobiology</i> , 2007 , 83, 310-31	10.9	205
36	Blockade of striatal adenosine A2A receptor reduces, through a presynaptic mechanism, quinolinic acid-induced excitotoxicity: possible relevance to neuroprotective interventions in neurodegenerative diseases of the striatum. <i>Journal of Neuroscience</i> , 2002 , 22, 1967-75	6.6	192
35	A critical evaluation of adenosine A2A receptors as potentially "druggable" targets in Huntington's disease. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1500-11	3.3	58
34	Behavioral and electrophysiological effects of the adenosine A2A receptor antagonist SCH 58261 in R6/2 Huntington's disease mice. <i>Neurobiology of Disease</i> , 2007 , 28, 197-205	7.5	58
33	Astrocytes contribute to neuronal impairment in beta A toxicity increasing apoptosis in rat hippocampal neurons. <i>Glia</i> , 2001 , 34, 68-72	9	58
32	Adenosine A2A receptor blockade differentially influences excitotoxic mechanisms at pre- and postsynaptic sites in the rat striatum. <i>Journal of Neuroscience Research</i> , 2004 , 77, 100-7	4.4	49
31	Reduced hippocampal CA1 Ca(2+)-induced long-term potentiation is associated with age-dependent impairment of spatial learning. <i>Brain Research</i> , 1995 , 686, 107-10	3.7	39
30	Adenosine A2A receptors enable the synaptic effects of cannabinoid CB1 receptors in the rodent striatum. <i>Journal of Neurochemistry</i> , 2009 , 110, 1921-30	6	38
29	Modulation of Rho GTPases rescues brain mitochondrial dysfunction, cognitive deficits and aberrant synaptic plasticity in female mice modeling Rett syndrome. <i>European Neuropsychopharmacology</i> , 2015 , 25, 889-901	1.2	37
28	Unbalance of CB1 receptors expressed in GABAergic and glutamatergic neurons in a transgenic mouse model of Huntington's disease. <i>Neurobiology of Disease</i> , 2012 , 45, 983-91	7.5	37
27	Opposite effects of the A2A receptor agonist CGS21680 in the striatum of Huntington's disease versus wild-type mice. <i>Neuroscience Letters</i> , 2007 , 417, 78-83	3.3	37
26	Maternal exposure to low levels of corticosterone during lactation protects the adult offspring against ischemic brain damage. <i>Journal of Neuroscience</i> , 2007 , 27, 7041-6	6.6	36
25	Long-lasting beneficial effects of central serotonin receptor 7 stimulation in female mice modeling Rett syndrome. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 86	3.5	34
24	Neuroprotective effects of the mGlu5R antagonist MPEP towards quinolinic acid-induced striatal toxicity: involvement of pre- and post-synaptic mechanisms and lack of direct NMDA blocking activity. <i>Journal of Neurochemistry</i> , 2004 , 89, 1479-89	6	34
23	BDNF prevents NMDA-induced toxicity in models of Huntington's disease: the effects are genotype specific and adenosine A2A receptor is involved. <i>Journal of Neurochemistry</i> , 2013 , 125, 225-35	6	26
22	The Role of Adenosine Tone and Adenosine Receptors in Huntington's Disease. <i>Journal of Caffeine and Adenosine Research</i> , 2018 , 8, 43-58	1.6	25
21	Adenosine A receptor as potential therapeutic target in neuropsychiatric disorders. <i>Pharmacological Research</i> , 2019 , 147, 104338	10.2	24

20	Remodeling of striatal NMDA receptors by chronic A(2A) receptor blockade in Huntington's disease mice. <i>Neurobiology of Disease</i> , 2010 , 37, 99-105	7.5	22
19	Chronic treatment with the mGlu5R antagonist MPEP reduces the functional effects of the mGlu5R agonist CHPG in the striatum of 6-hydroxydopamine-lesioned rats: possible relevance to the effects of mGlu5R blockade in Parkinson's disease. <i>Journal of Neuroscience Research</i> , 2005 , 80, 646-54	4.4	21
18	Adenosine A2A receptor antagonism and neuroprotection: mechanisms, lights, and shadows. <i>Critical Reviews in Neurobiology</i> , 2004 , 16, 99-106		21
17	Striatal adenosine-cannabinoid receptor interactions in rats over-expressing adenosine A2A receptors. <i>Journal of Neurochemistry</i> , 2016 , 136, 907-17	6	20
16	Metabotropic glutamate receptor 5 (mGluR5)-mediated phosphoinositide hydrolysis and NMDA-potentiating effects are blunted in the striatum of aged rats: a possible additional mechanism in striatal senescence. <i>European Journal of Neuroscience</i> , 2003 , 17, 2047-55	3.5	20
15	Influence of CGS 21680, a selective adenosine A(2A) receptor agonist, on NMDA receptor function and expression in the brain of Huntington's disease mice. <i>Brain Research</i> , 2010 , 1323, 184-91	3.7	17
14	Cocaine-induced changes of synaptic transmission in the striatum are modulated by adenosine A2A receptors and involve the tyrosine phosphatase STEP. <i>Neuropsychopharmacology</i> , 2014 , 39, 569-78	8.7	15
13	SCH 58261 differentially influences quinolinic acid-induced effects in striatal and in hippocampal slices. <i>European Journal of Pharmacology</i> , 2002 , 450, 253-7	5.3	15
12	Age-related decline in the functional response of striatal group I mGlu receptors. <i>NeuroReport</i> , 2000 , 11, 3033-8	1.7	14
11	Felbamate displays in vitro antiepileptic effects as a broad spectrum excitatory amino acid receptor antagonist. <i>European Journal of Pharmacology</i> , 1994 , 271, 259-63	5.3	11
10	Quinolinic acid modulates the activity of src family kinases in rat striatum: in vivo and in vitro studies. <i>Journal of Neurochemistry</i> , 2006 , 97, 1327-36	6	10
9	Protective actions of 21-aminosteroids and MK-801 on hypoxia-induced electrophysiological changes in rat hippocampal slices. <i>European Journal of Pharmacology</i> , 1993 , 233, 291-3	5.3	10
8	L-NAME reverses quinolinic acid-induced toxicity in rat corticostriatal slices: Involvement of src family kinases. <i>Journal of Neuroscience Research</i> , 2007 , 85, 2770-7	4.4	9
7	Neuronal adenosine A receptor overexpression is neuroprotective towards 3-nitropropionic acid-induced striatal toxicity: a rat model of Huntington's disease. <i>Purinergic Signalling</i> , 2018 , 14, 235-243 ⁸	3.8	8
6	The activity of the Striatal-enriched protein tyrosine phosphatase in neuronal cells is modulated by adenosine A receptor. <i>Journal of Neurochemistry</i> , 2020 , 152, 284-298	6	6
5	Insight into the Role of the STriatal-Enriched Protein Tyrosine Phosphatase (STEP) in A Receptor-Mediated Effects in the Central Nervous System. <i>Frontiers in Pharmacology</i> , 2021 , 12, 647742	5.6	3
4	Systemic depletion of histone macroH2A1.1 boosts hippocampal synaptic plasticity and social behavior in mice. <i>FASEB Journal</i> , 2021 , 35, e21793	0.9	3
3	What Is the Role of Adenosine Tone and Adenosine Receptors in Huntington's Disease? 2018 , 281-308		2

- 2 Activation of Phosphotyrosine-Mediated Signaling Pathways in the Cortex and Spinal Cord of SOD1, a Mouse Model of Familial Amyotrophic Lateral Sclerosis. *Neural Plasticity*, **2018**, 2018, 2430193 3.3 1
- 1 In vitro hippocampal dentate frequency potentiation induction as model to detect electrophysiological correlates of some cognitive impairments in striatally-lesioned rats. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **1996**, 20, 999-1010 5.5