Mairena Martn

List of Publications by Citations

85 papers	1,643 citations	23 h-index	37 g-index
90 ext. papers	1,881 ext. citations	5 avg, IF	4.48 L-index

#	Paper	IF	Citations
85	Up-regulation of adenosine receptors in the frontal cortex in Alzheimer's disease. *Brain Pathology*, **2008**, 18, 211-9	6	115
84	Increased 5-methylcytosine and decreased 5-hydroxymethylcytosine levels are associated with reduced striatal A2AR levels in Huntington's disease. *NeuroMolecular Medicine*, **2013**, 15, 295-309	4.6	108
83	Role of stromal myofibroblasts infiltrating colon cancer in tumor invasion. *Pathology Research and Practice*, **1996**, 192, 712-7	3.4	94
82	Membrane cholesterol access into a G-protein-coupled receptor. *Nature Communications*, **2017**, 8, 14505	17.4	89
81	Impaired metabotropic glutamate receptor/phospholipase C signaling pathway in the cerebral cortex in Alzheimer's disease and dementia with Lewy bodies correlates with stage of Alzheimer's-disease-related changes. *Neurobiology of Disease*, **2005**, 20, 685-93	7.5	86
80	Increased striatal adenosine A2A receptor levels is an early event in Parkinson's disease-related pathology and it is potentially regulated by miR-34b. *Neurobiology of Disease*, **2014**, 69, 206-14	7.5	77
79	Adenosine A1 receptor down-regulation in mothers and fetal brain after caffeine and theophylline treatments to pregnant rats. *Journal of Neurochemistry*, **2002**, 82, 625-34	6	60
78	Abnormal metabotropic glutamate receptor expression and signaling in the cerebral cortex in diffuse Lewy body disease is associated with irregular alpha-synuclein/phospholipase C (PLCbeta1) interactions. *Brain Pathology*, **2004**, 14, 388-98	6	56
77	Adenosine A(1) receptor in cultured neurons from rat cerebral cortex: colocalization with adenosine deaminase. *Journal of Neurochemistry*, **2000**, 75, 656-64	6	38
76	Comparable actions of omalizumab on mast cells and basophils. *Clinical and Experimental Allergy*, **2016**, 46, 92-102	4.1	38
75	Endogenous expression of adenosine A1, A2 and A3 receptors in rat C6 glioma cells. *Neurochemical Research*, **2007**, 32, 1056-70	4.6	37
74	Purine-related metabolites and their converting enzymes are altered in frontal, parietal and temporal cortex at early stages of Alzheimer's disease pathology. *Brain Pathology*, **2018**, 28, 933-946	6	33
73	Reduced striatal adenosine A2A receptor levels define a molecular subgroup in schizophrenia. *Journal of Psychiatric Research*, **2014**, 51, 49-59	5.2	32
72	Adenosine A2A receptors are up-regulated in Pick's disease frontal cortex. *Brain Pathology*, **2006**, 16, 249-55	6	31
71	DNA methylation regulates adenosine A(2A) receptor cell surface expression levels. *Journal of Neurochemistry*, **2010**, 112, 1273-85	6	30
70	Characterization of metabotropic glutamate receptors in rat C6 glioma cells. *European Journal of Pharmacology*, **1997**, 326, 85-91	5.3	30
69	Chronic caffeine or theophylline intake during pregnancy inhibits A1 receptor function in the rat brain. *Neuroscience*, **2005**, 131, 481-9	3.9	29

68	Maternal caffeine intake during gestation and lactation down-regulates adenosine A1 receptor in rat brain from mothers and neonates. *Journal of Neuroscience Research*, **2010**, 88, 1252-61	4.4	27
67	Bovine brain coated vesicles contain adenosine A1 receptors. Presence of adenylate cyclase coupled to the receptor. *Journal of Neurochemistry*, **1990**, 55, 106-13	6	27
66	Age-related expression of adenosine receptors in brain from the senescence-accelerated mouse. *Experimental Gerontology*, **2009**, 44, 453-61	4.5	25
65	Antihypertensive and cardioprotective effects of the dipeptide isoleucine-tryptophan and whey protein hydrolysate. *Acta Physiologica*, **2015**, 215, 167-76	5.6	24
64	Modulation of adenosine A1 and A2A receptors in C6 glioma cells during hypoxia: involvement of endogenous adenosine. *Journal of Neurochemistry*, **2008**, 105, 2315-29	6	24
63	DNA methylation and Yin Yang-1 repress adenosine A2A receptor levels in human brain. *Journal of Neurochemistry*, **2010**, 115, 283-95	6	23
62	Effect of chronic gestational treatment with caffeine or theophylline on Group I metabotropic glutamate receptors in maternal and fetal brain. *Journal of Neurochemistry*, **2005**, 94, 440-51	6	21
61	Internalization of metabotropic glutamate receptor in C6 cells through clathrin-coated vesicles. *Molecular Brain Research*, **2002**, 99, 54-66		21
60	The antioxidant resveratrol acts as a non-selective adenosine receptor agonist. *Free Radical Biology and Medicine*, **2019**, 135, 261-273	7.8	19
59	Hyperthermia-induced seizures alter adenosine A1 and A2A receptors and 5'-nucleotidase activity in rat cerebral cortex. *Journal of Neurochemistry*, **2015**, 134, 395-404	6	19
58	Abnormal group I metabotropic glutamate receptor expression and signaling in the frontal cortex in Pick disease. *Journal of Neuropathology and Experimental Neurology*, **2005**, 64, 638-47	3.1	19
57	Down-regulation of rat brain adenosine A1 receptors at the end of pregnancy. *Journal of Neurochemistry*, **2004**, 88, 993-1002	6	17
56	Adenosine A1 receptor agonist treatment up-regulates rat brain metabotropic glutamate receptors. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2002**, 1593, 69-75	4.9	17
55	Chronic intake of caffeine during gestation down regulates metabotropic glutamate receptors in maternal and fetal rat heart. *Amino Acids*, **2006**, 30, 257-66	3.5	16
54	Metabotropic glutamate receptor/phospholipase C pathway: a vulnerable target to Creutzfeldt-Jakob disease in the cerebral cortex. *Neuroscience*, **2005**, 131, 825-32	3.9	15
53	Adenosine A1 receptor protein levels and activity is increased in the cerebral cortex in Creutzfeldt-Jakob disease and in bovine spongiform encephalopathy-infected bovine-PrP mice. *Journal of Neuropathology and Experimental Neurology*, **2006**, 65, 964-75	3.1	15
52	Up-regulation of adenosine A1 receptors in frontal cortex from Pick's disease cases. *European Journal of Neuroscience*, **2007**, 26, 3501-8	3.5	14
51	Expression levels of adenosine receptors in hippocampus and frontal cortex in argyrophilic grain disease. *Neuroscience Letters*, **2007**, 423, 194-9	3.3	13

50	Metabotropic glutamate receptor analogues inhibit p[NH]ppG-stimulated phospholipase C activity in bovine brain coated vesicles: involvement of a pertussis toxin-sensitive G-protein. *Biochemical Journal*, **1995**, 307 (Pt 3), 851-7	3.8	13
49	Early-life hyperthermic seizures upregulate adenosine A receptors in the cortex and promote depressive-like behavior in adult rats. *Epilepsy and Behavior*, **2018**, 86, 173-178	3.2	12
48	Striatal adenosine A2A receptor expression is controlled by S-adenosyl-L-methionine-mediated methylation. *Purinergic Signalling*, **2014**, 10, 523-8	3.8	12
47	Reduced expression and desensitization of adenosine A1 receptor/adenylyl cyclase pathway after chronic (-)N6-phenylisopropyladenosine intake during pregnancy. *Neuroscience*, **2009**, 163, 524-32	3.9	12
46	Characterization of metabotropic glutamate receptors coupled to a pertussis toxin sensitive G-protein in bovine brain coated vesicles. *FEBS Letters*, **1993**, 316, 191-6	3.8	12
45	Functional Cross-Talk between Adenosine and Metabotropic Glutamate Receptors. *Current Neuropharmacology*, **2019**, 17, 422-437	7.6	12
44	Desensitization of adenosine A(1) receptors in rat immature cortical neurons. *European Journal of Pharmacology*, **2011**, 670, 365-71	5.3	11
43	Group I mGluR signaling in BSE-infected bovine-PrP transgenic mice. *Neuroscience Letters*, **2006**, 410, 115-20	3.3	11
42	Coupling of adenosine A1 receptors to a G-protein in coated vesicles isolated from bovine brain: presence of pertussis and cholera toxin substrates. *Biochemical and Biophysical Research Communications*, **1990**, 171, 770-6	3.4	11
41	Different modulation of inhibitory and stimulatory pathways mediated by adenosine after chronic in vivo agonist exposure. *Brain Research*, **2005**, 1031, 211-21	3.7	10
40	A genomics approach identifies selective effects of trans-resveratrol in cerebral cortex neuron and glia gene expression. *PLoS ONE*, **2017**, 12, e0176067	3.7	9
39	Resveratrol Modulates and Reverses the Age-Related Effect on Adenosine-Mediated Signalling in SAMP8 Mice. *Molecular Neurobiology*, **2019**, 56, 2881-2895	6.2	9
38	Differential Effect of Caffeine Consumption on Diverse Brain Areas of Pregnant Rats. *Journal of Caffeine Research*, **2012**, 2, 90-98		9
37	Effects of Rupatadine on Platelet- Activating Factor-Induced Human Mast Cell Degranulation Compared With Desloratadine and Levocetirizine (The MASPAF Study). *Journal of Investigational Allergology and Clinical Immunology*, **2017**, 27, 161-168	2.3	8
36	Metabotropic glutamate receptor/phospholipase C system in female rat heart. *Brain Research*, **2007**, 1153, 1-11	3.7	8
35	Effect of chronic glutamate administration to pregnant rats during gestation on metabotropic glutamate receptors from mothers and full-term fetuses brain. *Amino Acids*, **2005**, 28, 127-37	3.5	8
34	Characterization of L-[3H]glutamate binding sites in bovine brain coated vesicles. *European Journal of Pharmacology*, **1991**, 207, 215-24		8
33	Cerebellar oxidative stress and fine motor impairment in adolescent rats exposed to hyperthermia-induced seizures is prevented by maternal caffeine intake during gestation and lactation. *European Journal of Pharmacology*, **2018**, 822, 186-198	5.3	7

32	[60]Fullerene-based monolayers as neuroprotective biocompatible hybrid materials. *Chemical Communications*, **2011**, 47, 10617-9	5.8	7
31	Maternal glutamate intake during gestation and lactation regulates adenosine A and A(2A) receptors in rat brain from mothers and neonates. *Neuroscience*, **2011**, 199, 133-42	3.9	7
30	Glutamate differently modulates metabotropic glutamate receptors in neuronal and glial cells. *Neurochemical Research*, **2010**, 35, 1050-63	4.6	7
29	Cross-talk between beta-adrenergic and metabotropic glutamate receptors in rat C6 glioma cells. *Lipids and Lipid Metabolism*, **1998**, 1393, 186-92		7
28	[60]Fullerene derivative modulates adenosine and metabotropic glutamate receptors gene expression: a possible protective effect against hypoxia. *Journal of Nanobiotechnology*, **2014**, 12, 27	9.4	6
27	Glutamate differently modulates excitatory and inhibitory adenosine receptors in neuronal and glial cells. *Neurochemistry International*, **2010**, 57, 33-42	4.4	6
26	Colon-cancer cell variants producing regressive tumors in syngeneic rats, unlike variants yielding progressive tumors, attach to interstitial collagens through integrin alpha2beta1. *International Journal of Cancer*, **1996**, 65, 796-804	7.5	6
25	Adenosine Metabolism in the Cerebral Cortex from Several Mice Models during Aging. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
24	Resveratrol Differently Modulates Group I Metabotropic Glutamate Receptors Depending on Age in SAMP8 Mice. *ACS Chemical Neuroscience*, **2020**, 11, 1770-1780	5.7	5
23	Hippocampal changes produced by overexpression of the human CHRNA5/A3/B4 gene cluster may underlie cognitive deficits rescued by nicotine in transgenic mice. *Acta Neuropathologica Communications*, **2014**, 2, 147	7.3	5
22	Effect of Caffeine Chronically Consumed During Pregnancy on Adenosine A and A Receptors Signaling in Both Maternal and Fetal Heart from Wistar Rats. *Journal of Caffeine Research*, **2014**, 4, 115-126		5
21	Effect of glutamate intake during gestation on adenosine A(1) receptor/adenylyl cyclase pathway in both maternal and fetal rat brain. *Journal of Neurochemistry*, **2008**, 104, 435-45	6	5
20	Effect of chronic gestational treatment with the adenosine A1 receptor agonist R-phenylisopropyladenosine on metabotropic glutamate receptors/phospholipase C pathway in maternal and fetal brain. *Journal of Neuroscience Research*, **2008**, 86, 3295-305	4.4	5
19	Metabotropic glutamate receptor/phospholipase C pathway is increased in rat brain at the end of pregnancy. *Neurochemistry International*, **2007**, 50, 681-8	4.4	5
18	Presence of phospholipase C in coated vesicles from bovine brain. Dual regulatory effects of GTP-analogs. *FEBS Letters*, **1991**, 290, 22-6	3.8	5
17	Long-Tailed Unconventional Class I Myosins in Health and Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
16	Modulation of Adenosine Receptors and Antioxidative Effect of Beer Extracts in in Vitro Models. *Nutrients*, **2019**, 11,	6.7	4
15	Modulation of gene expression of adenosine and metabotropic glutamate receptors in rat's neuronal cells exposed to L-glutamate and [60]fullerene. *Journal of Biomedical Nanotechnology*, **2014**, 10, 1610-9	4	4

14	Modulation of adenosine receptors by [60]fullerene hydrosoluble derivative in SK-N-MC cells. *ACS Chemical Neuroscience*, **2011**, 2, 363-9	5.7	4
13	Chronic oral administration of MPEP, an antagonist of mGlu receptor, during gestation and lactation alters mGlu and A receptors in maternal and neonatal brain. *Neuroscience*, **2017**, 344, 187-203	3.9	3
12	Analysis of Ion Pairing in Solid State and Solution in -Cymene Ruthenium Complexes. *Inorganic Chemistry*, **2020**, 59, 14171-14183	5.1	3
11	2-Methyl-6-(phenylethynyl)pyridine Hydrochloride Modulates Metabotropic Glutamate 5 Receptors Endogenously Expressed in Zebrafish Brain. *ACS Chemical Neuroscience*, **2016**, 7, 1690-1697	5.7	2
10	Epigenetic Modulation of Adenosine A2A Receptor: A Putative Therapeutical Tool for the Treatment of Parkinson's Disease **2011**,		2
9	Hyperthermia-induced seizures produce long-term effects on the functionality of adenosine A receptor in rat cerebral cortex. *International Journal of Developmental Neuroscience*, **2020**, 80, 1-12	2.7	2
8	Gender-specific desensitization of group I metabotropic glutamate receptors after maternal l-glutamate intake during lactation. *International Journal of Developmental Neuroscience*, **2018**, 68, 10-16	2.7	1
7	The Density of Group I mGlu Receptors Is Reduced along the Neuronal Surface of Hippocampal Cells in a Mouse Model of Alzheimer's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
6	Antitumoral Action of Resveratrol Through Adenosinergic Signaling in C6 Glioma Cells. *Frontiers in Neuroscience*, **2021**, 15, 702817	5.1	1
5	Glutamatergic System is Affected in Brain from an Hyperthermia-Induced Seizures Rat Model. *Cellular and Molecular Neurobiology*, **2021**, 1	4.6	1
4	Modulation of Adenosine Receptors by Hops and Xanthohumol in Cell Cultures. *ACS Chemical Neuroscience*, **2021**, 12, 2373-2384	5.7	0
3	Hyperthermia-induced seizures during neonatal period alter the functionality of A and A receptors in the cerebellum and evoke fine motor impairment and gait disturbances in adult rats. *Physiology and Behavior*, **2021**, 240, 113543	3.5	0
2	Oxidative stress in epileptogenesis: Febrile seizures, chemoconvulsant pilocarpine, and electrical stimulation **2020**, 81-94		
1	Polyphenols and Neuroprotection: The Role of Adenosine Receptors. *Journal of Caffeine and Adenosine Research*, **2019**, 9, 167-179	1.6	