

Mairena Martn

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The Density of Group I mGlu Receptors Is Reduced along the Neuronal Surface of Hippocampal Cells in a Mouse Model of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
84	Modulation of Adenosine Receptors by Hops and Xanthohumol in Cell Cultures. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2373-2384	5.7	0
83	Antitumoral Action of Resveratrol Through Adenosinergic Signaling in C6 Glioma Cells. <i>Frontiers in Neuroscience</i> , 2021 , 15, 702817	5.1	1
82	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. <i>Physiology and Behavior</i> , 2021 , 240, 113543	3.5	0
81	Glutamatergic System is Affected in Brain from an Hyperthermia-Induced Seizures Rat Model. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	1
80	Resveratrol Differently Modulates Group I Metabotropic Glutamate Receptors Depending on Age in SAMP8 Mice. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 1770-1780	5.7	5
79	Hyperthermia-induced seizures produce long-term effects on the functionality of adenosine A receptor in rat cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2020 , 80, 1-12	2.7	2
78	Adenosine Metabolism in the Cerebral Cortex from Several Mice Models during Aging. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
77	Oxidative stress in epileptogenesis: Febrile seizures, chemoconvulsant pilocarpine, and electrical stimulation 2020 , 81-94		
76	Analysis of Ion Pairing in Solid State and Solution in -Cymene Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2020 , 59, 14171-14183	5.1	3
75	Long-Tailed Unconventional Class I Myosins in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
74	Modulation of Adenosine Receptors and Antioxidative Effect of Beer Extracts in in Vitro Models. <i>Nutrients</i> , 2019 , 11,	6.7	4
73	The antioxidant resveratrol acts as a non-selective adenosine receptor agonist. <i>Free Radical Biology and Medicine</i> , 2019 , 135, 261-273	7.8	19
72	Resveratrol Modulates and Reverses the Age-Related Effect on Adenosine-Mediated Signalling in SAMP8 Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 2881-2895	6.2	9
71	Functional Cross-Talk between Adenosine and Metabotropic Glutamate Receptors. <i>Current Neuropharmacology</i> , 2019 , 17, 422-437	7.6	12
70	Polyphenols and Neuroprotection: The Role of Adenosine Receptors. <i>Journal of Caffeine and Adenosine Research</i> , 2019 , 9, 167-179	1.6	
69	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. <i>European Journal of Pharmacology</i> , 2018 , 822, 186-198	5.3	7

68	Purine-related metabolites and their converting enzymes are altered in frontal, parietal and temporal cortex at early stages of Alzheimer's disease pathology. <i>Brain Pathology</i> , 2018 , 28, 933-946	6	33
67	Gender-specific desensitization of group I metabotropic glutamate receptors after maternal l-glutamate intake during lactation. <i>International Journal of Developmental Neuroscience</i> , 2018 , 68, 10-16 ²⁻⁷		1
66	Early-life hyperthermic seizures upregulate adenosine A receptors in the cortex and promote depressive-like behavior in adult rats. <i>Epilepsy and Behavior</i> , 2018 , 86, 173-178	3.2	12
65	Membrane cholesterol access into a G-protein-coupled receptor. <i>Nature Communications</i> , 2017 , 8, 14505 _{17.4}		89
64	Chronic oral administration of MPEP, an antagonist of mGlu receptor, during gestation and lactation alters mGlu and A receptors in maternal and neonatal brain. <i>Neuroscience</i> , 2017 , 344, 187-203	3.9	3
63	A genomics approach identifies selective effects of trans-resveratrol in cerebral cortex neuron and glia gene expression. <i>PLoS ONE</i> , 2017 , 12, e0176067	3.7	9
62	Effects of Rupatadine on Platelet- Activating Factor-Induced Human Mast Cell Degranulation Compared With Desloratadine and Levocetirizine (The MASPAF Study). <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2017 , 27, 161-168	2.3	8
61	2-Methyl-6-(phenylethynyl)pyridine Hydrochloride Modulates Metabotropic Glutamate 5 Receptors Endogenously Expressed in Zebrafish Brain. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 1690-1697	5.7	2
60	Comparable actions of omalizumab on mast cells and basophils. <i>Clinical and Experimental Allergy</i> , 2016 , 46, 92-102	4.1	38
59	Hyperthermia-induced seizures alter adenosine A1 and A2A receptors and 5'-nucleotidase activity in rat cerebral cortex. <i>Journal of Neurochemistry</i> , 2015 , 134, 395-404	6	19
58	Antihypertensive and cardioprotective effects of the dipeptide isoleucine-tryptophan and whey protein hydrolysate. <i>Acta Physiologica</i> , 2015 , 215, 167-76	5.6	24
57	[60]Fullerene derivative modulates adenosine and metabotropic glutamate receptors gene expression: a possible protective effect against hypoxia. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 27	9.4	6
56	Striatal adenosine A2A receptor expression is controlled by S-adenosyl-L-methionine-mediated methylation. <i>Purinergic Signalling</i> , 2014 , 10, 523-8	3.8	12
55	Increased striatal adenosine A2A receptor levels is an early event in Parkinson's disease-related pathology and it is potentially regulated by miR-34b. <i>Neurobiology of Disease</i> , 2014 , 69, 206-14	7.5	77
54	Hippocampal changes produced by overexpression of the human CHRNAS/A3/B4 gene cluster may underlie cognitive deficits rescued by nicotine in transgenic mice. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 147	7.3	5
53	Effect of Caffeine Chronically Consumed During Pregnancy on Adenosine A and A Receptors Signaling in Both Maternal and Fetal Heart from Wistar Rats. <i>Journal of Caffeine Research</i> , 2014 , 4, 115-126		5
52	Modulation of gene expression of adenosine and metabotropic glutamate receptors in rat's neuronal cells exposed to L-glutamate and [60]fullerene. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 1610-9	4	4
51	Reduced striatal adenosine A2A receptor levels define a molecular subgroup in schizophrenia. <i>Journal of Psychiatric Research</i> , 2014 , 51, 49-59	5.2	32

50	Increased 5-methylcytosine and decreased 5-hydroxymethylcytosine levels are associated with reduced striatal A2AR levels in Huntington's disease. <i>NeuroMolecular Medicine</i> , 2013 , 15, 295-309	4.6	108
49	Differential Effect of Caffeine Consumption on Diverse Brain Areas of Pregnant Rats. <i>Journal of Caffeine Research</i> , 2012 , 2, 90-98		9
48	Modulation of adenosine receptors by [60]fullerene hydrosoluble derivative in SK-N-MC cells. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 363-9	5.7	4
47	[60]Fullerene-based monolayers as neuroprotective biocompatible hybrid materials. <i>Chemical Communications</i> , 2011 , 47, 10617-9	5.8	7
46	Maternal glutamate intake during gestation and lactation regulates adenosine A1 and A2A receptors in rat brain from mothers and neonates. <i>Neuroscience</i> , 2011 , 199, 133-42	3.9	7
45	Epigenetic Modulation of Adenosine A2A Receptor: A Putative Therapeutical Tool for the Treatment of Parkinson's Disease 2011 ,		2
44	Desensitization of adenosine A(1) receptors in rat immature cortical neurons. <i>European Journal of Pharmacology</i> , 2011 , 670, 365-71	5.3	11
43	DNA methylation regulates adenosine A(2A) receptor cell surface expression levels. <i>Journal of Neurochemistry</i> , 2010 , 112, 1273-85	6	30
42	DNA methylation and Yin Yang-1 repress adenosine A2A receptor levels in human brain. <i>Journal of Neurochemistry</i> , 2010 , 115, 283-95	6	23
41	Glutamate differently modulates excitatory and inhibitory adenosine receptors in neuronal and glial cells. <i>Neurochemistry International</i> , 2010 , 57, 33-42	4.4	6
40	Glutamate differently modulates metabotropic glutamate receptors in neuronal and glial cells. <i>Neurochemical Research</i> , 2010 , 35, 1050-63	4.6	7
39	Maternal caffeine intake during gestation and lactation down-regulates adenosine A1 receptor in rat brain from mothers and neonates. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1252-61	4.4	27
38	Age-related expression of adenosine receptors in brain from the senescence-accelerated mouse. <i>Experimental Gerontology</i> , 2009 , 44, 453-61	4.5	25
37	Reduced expression and desensitization of adenosine A1 receptor/adenylyl cyclase pathway after chronic (-)N6-phenylisopropyladenosine intake during pregnancy. <i>Neuroscience</i> , 2009 , 163, 524-32	3.9	12
36	Up-regulation of adenosine receptors in the frontal cortex in Alzheimer's disease. <i>Brain Pathology</i> , 2008 , 18, 211-9	6	115
35	Modulation of adenosine A1 and A2A receptors in C6 glioma cells during hypoxia: involvement of endogenous adenosine. <i>Journal of Neurochemistry</i> , 2008 , 105, 2315-29	6	24
34	Effect of glutamate intake during gestation on adenosine A(1) receptor/adenylyl cyclase pathway in both maternal and fetal rat brain. <i>Journal of Neurochemistry</i> , 2008 , 104, 435-45	6	5
33	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. <i>Journal of Neuroscience Research</i> , 2008 , 86, 3295-305	4.4	5

32	Up-regulation of adenosine A1 receptors in frontal cortex from Pick's disease cases. <i>European Journal of Neuroscience</i> , 2007 , 26, 3501-8	3.5	14
31	Metabotropic glutamate receptor/phospholipase C system in female rat heart. <i>Brain Research</i> , 2007 , 1153, 1-11	3.7	8
30	Endogenous expression of adenosine A1, A2 and A3 receptors in rat C6 glioma cells. <i>Neurochemical Research</i> , 2007 , 32, 1056-70	4.6	37
29	Metabotropic glutamate receptor/phospholipase C pathway is increased in rat brain at the end of pregnancy. <i>Neurochemistry International</i> , 2007 , 50, 681-8	4.4	5
28	Expression levels of adenosine receptors in hippocampus and frontal cortex in argyrophilic grain disease. <i>Neuroscience Letters</i> , 2007 , 423, 194-9	3.3	13
27	Group I mGluR signaling in BSE-infected bovine-PrP transgenic mice. <i>Neuroscience Letters</i> , 2006 , 410, 115-20	3.3	11
26	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. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006 , 65, 964-75	3.1	15
25	Adenosine A2A receptors are up-regulated in Pick's disease frontal cortex. <i>Brain Pathology</i> , 2006 , 16, 249-55	6	31
24	Chronic intake of caffeine during gestation down regulates metabotropic glutamate receptors in maternal and fetal rat heart. <i>Amino Acids</i> , 2006 , 30, 257-66	3.5	16
23	Abnormal group I metabotropic glutamate receptor expression and signaling in the frontal cortex in Pick disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005 , 64, 638-47	3.1	19
22	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. <i>Neurobiology of Disease</i> , 2005 , 20, 685-93	7.5	86
21	Chronic caffeine or theophylline intake during pregnancy inhibits A1 receptor function in the rat brain. <i>Neuroscience</i> , 2005 , 131, 481-9	3.9	29
20	Metabotropic glutamate receptor/phospholipase C pathway: a vulnerable target to Creutzfeldt-Jakob disease in the cerebral cortex. <i>Neuroscience</i> , 2005 , 131, 825-32	3.9	15
19	Effect of chronic gestational treatment with caffeine or theophylline on Group I metabotropic glutamate receptors in maternal and fetal brain. <i>Journal of Neurochemistry</i> , 2005 , 94, 440-51	6	21
18	Different modulation of inhibitory and stimulatory pathways mediated by adenosine after chronic in vivo agonist exposure. <i>Brain Research</i> , 2005 , 1031, 211-21	3.7	10
17	Effect of chronic glutamate administration to pregnant rats during gestation on metabotropic glutamate receptors from mothers and full-term fetuses brain. <i>Amino Acids</i> , 2005 , 28, 127-37	3.5	8
16	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. <i>Brain Pathology</i> , 2004 , 14, 388-98	6	56
15	Down-regulation of rat brain adenosine A1 receptors at the end of pregnancy. <i>Journal of Neurochemistry</i> , 2004 , 88, 993-1002	6	17

14	Adenosine A1 receptor agonist treatment up-regulates rat brain metabotropic glutamate receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002 , 1593, 69-75	4.9	17
13	Adenosine A1 receptor down-regulation in mothers and fetal brain after caffeine and theophylline treatments to pregnant rats. <i>Journal of Neurochemistry</i> , 2002 , 82, 625-34	6	60
12	Internalization of metabotropic glutamate receptor in C6 cells through clathrin-coated vesicles. <i>Molecular Brain Research</i> , 2002 , 99, 54-66		21
11	Adenosine A(1) receptor in cultured neurons from rat cerebral cortex: colocalization with adenosine deaminase. <i>Journal of Neurochemistry</i> , 2000 , 75, 656-64	6	38
10	Cross-talk between beta-adrenergic and metabotropic glutamate receptors in rat C6 glioma cells. <i>Lipids and Lipid Metabolism</i> , 1998 , 1393, 186-92		7
9	Characterization of metabotropic glutamate receptors in rat C6 glioma cells. <i>European Journal of Pharmacology</i> , 1997 , 326, 85-91	5.3	30
8	Role of stromal myofibroblasts infiltrating colon cancer in tumor invasion. <i>Pathology Research and Practice</i> , 1996 , 192, 712-7	3.4	94
7	Colon-cancer cell variants producing regressive tumors in syngeneic rats, unlike variants yielding progressive tumors, attach to interstitial collagens through integrin alpha2beta1. <i>International Journal of Cancer</i> , 1996 , 65, 796-804	7.5	6
6	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. <i>Biochemical Journal</i> , 1995 , 307 (Pt 3), 851-7	3.8	13
5	Characterization of metabotropic glutamate receptors coupled to a pertussis toxin sensitive G-protein in bovine brain coated vesicles. <i>FEBS Letters</i> , 1993 , 316, 191-6	3.8	12
4	Characterization of L-[3H]glutamate binding sites in bovine brain coated vesicles. <i>European Journal of Pharmacology</i> , 1991 , 207, 215-24		8
3	Presence of phospholipase C in coated vesicles from bovine brain. Dual regulatory effects of GTP-analogs. <i>FEBS Letters</i> , 1991 , 290, 22-6	3.8	5
2	Bovine brain coated vesicles contain adenosine A1 receptors. Presence of adenylate cyclase coupled to the receptor. <i>Journal of Neurochemistry</i> , 1990 , 55, 106-13	6	27
1	Coupling of adenosine A1 receptors to a G-protein in coated vesicles isolated from bovine brain: presence of pertussis and cholera toxin substrates. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 171, 770-6	3.4	11