

# Mairena MartÃ-n

## List of Publications by Year in descending order

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90  
papers

2,084  
citations

257357

24  
h-index

276775

41  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2863  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glutamatergic System is Affected in Brain from an Hyperthermia-Induced Seizures Rat Model. Cellular and Molecular Neurobiology, 2022, 42, 1501-1512.	1.7	6
2	Neuroprotective Effects of Resveratrol by Modifying Cholesterol Metabolism and A $\beta$ Processing in SAMP8 Mice. International Journal of Molecular Sciences, 2022, 23, 7580.	1.8	6
3	The Density of Group I mGlu5 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, 5867.	1.8	8
4	Early Effects of the Soluble Amyloid $\beta$ 25-35 Peptide in Rat Cortical Neurons: Modulation of Signal Transduction Mediated by Adenosine and Group I Metabotropic Glutamate Receptors. International Journal of Molecular Sciences, 2021, 22, 6577.	1.8	9
5	Modulation of Adenosine Receptors by Hops and Xanthohumol in Cell Cultures. ACS Chemical Neuroscience, 2021, 12, 2373-2384.	1.7	2
6	High-Fat and Resveratrol Supplemented Diets Modulate Adenosine Receptors in the Cerebral Cortex of C57BL/6J and SAMP8 Mice. Nutrients, 2021, 13, 3040.	1.7	1
7	Antitumoral Action of Resveratrol Through Adenosinergic Signaling in C6 Glioma Cells. Frontiers in Neuroscience, 2021, 15, 702817.	1.4	7
8	Hyperthermia-induced seizures during neonatal period alter the functionality of A1 and A2A receptors in the cerebellum and evoke fine motor impairment and gait disturbances in adult rats. Physiology and Behavior, 2021, 240, 113543.	1.0	1
9	Perceptions of Patients and Their Families Regarding Limitation of Therapeutic Effort in the Intensive Care Unit. Journal of Clinical Medicine, 2021, 10, 4900.	1.0	1
10	Hyperthermia-induced seizures produce long-term effects on the functionality of adenosine A <sub>1</sub> receptor in rat cerebral cortex. International Journal of Developmental Neuroscience, 2020, 80, 1-12.	0.7	3
11	Adenosine Metabolism in the Cerebral Cortex from Several Mice Models during Aging. International Journal of Molecular Sciences, 2020, 21, 7300.	1.8	14
12	Adenosine and Metabotropic Glutamate Receptors Are Present in Blood Serum and Exosomes from SAMP8 Mice: Modulation by Aging and Resveratrol. Cells, 2020, 9, 1628.	1.8	7
13	Oxidative stress in epileptogenesis: Febrile seizures, chemoconvulsant pilocarpine, and electrical stimulation. , 2020, , 81-94.		1
14	Analysis of Ion Pairing in Solid State and Solution in <i>p</i> -Cymene Ruthenium Complexes. Inorganic Chemistry, 2020, 59, 14171-14183.	1.9	8
15	Resveratrol Differently Modulates Group I Metabotropic Glutamate Receptors Depending on Age in SAMP8 Mice. ACS Chemical Neuroscience, 2020, 11, 1770-1780.	1.7	10
16	Long-Tailed Unconventional Class I Myosins in Health and Disease. International Journal of Molecular Sciences, 2020, 21, 2555.	1.8	14
17	Resveratrol Modulates and Reverses the Age-Related Effect on Adenosine-Mediated Signalling in SAMP8 Mice. Molecular Neurobiology, 2019, 56, 2881-2895.	1.9	18
18	Modulation of Adenosine Receptors and Antioxidative Effect of Beer Extracts in in Vitro Models. Nutrients, 2019, 11, 1258.	1.7	7

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19	The antioxidant resveratrol acts as a non-selective adenosine receptor agonist. <i>Free Radical Biology and Medicine</i> , 2019, 135, 261-273.	1.3	28
20	Polyphenols and Neuroprotection: The Role of Adenosine Receptors. <i>Journal of Caffeine and Adenosine Research</i> , 2019, 9, 167-179.	0.8	0
21	Functional Cross-Talk between Adenosine and Metabotropic Glutamate Receptors. <i>Current Neuropharmacology</i> , 2019, 17, 422-437.	1.4	16
22	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.	1.7	12
23	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.	2.1	59
24	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.	0.7	3
25	Early-life hyperthermic seizures upregulate adenosine A <sub>2A</sub> receptors in the cortex and promote depressive-like behavior in adult rats. <i>Epilepsy and Behavior</i> , 2018, 86, 173-178.	0.9	20
26	Membrane cholesterol access into a G-protein-coupled receptor. <i>Nature Communications</i> , 2017, 8, 14505.	5.8	129
27	Chronic oral administration of MPEP, an antagonist of mGlu5 receptor, during gestation and lactation alters mGlu5 and A <sub>2A</sub> receptors in maternal and neonatal brain. <i>Neuroscience</i> , 2017, 344, 187-203.	1.1	3
28	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.	0.6	14
29	A genomics approach identifies selective effects of trans-resveratrol in cerebral cortex neuron and glia gene expression. <i>PLoS ONE</i> , 2017, 12, e0176067.	1.1	9
30	Comparable actions of omalizumab on mast cells and basophils. <i>Clinical and Experimental Allergy</i> , 2016, 46, 92-102.	1.4	56
31	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.	1.7	2
32	Antihypertensive and cardioprotective effects of the dipeptide isoleucine-tryptophan and whey protein hydrolysate. <i>Acta Physiologica</i> , 2015, 215, 167-176.	1.8	30
33	Hyperthermia-induced seizures alter adenosine A <sub>1</sub> and A <sub>2A</sub> receptors and 5 $\alpha$ -nucleotidase activity in rat cerebral cortex. <i>Journal of Neurochemistry</i> , 2015, 134, 395-404.	2.1	26
34	Hippocampal changes produced by overexpression of the human CHRNA5/A3/B4 gene cluster may underlie cognitive deficits rescued by nicotine in transgenic mice. <i>Acta Neuropathologica Communications</i> , 2014, 2, 147.	2.4	6
35	Effect of Caffeine Chronically Consumed During Pregnancy on Adenosine A <sub>1</sub> and A <sub>2A</sub> Receptors Signaling in Both Maternal and Fetal Heart from Wistar Rats. <i>Journal of Caffeine Research</i> , 2014, 4, 115-126.	1.0	8
36	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, 1610-1619.	0.5	5

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37	Reduced striatal adenosine A <sub>2A</sub> receptor levels define a molecular subgroup in schizophrenia. <i>Journal of Psychiatric Research</i> , 2014, 51, 49-59.	1.5	41
38	[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.	4.2	12
39	Striatal adenosine A <sub>2A</sub> receptor expression is controlled by S-adenosyl-L-methionine-mediated methylation. <i>Purinergic Signalling</i> , 2014, 10, 523-528.	1.1	15
40	Increased striatal adenosine A <sub>2A</sub> 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, 206-214.	2.1	91
41	Increased 5-Methylcytosine and Decreased 5-Hydroxymethylcytosine Levels are Associated with Reduced Striatal A <sub>2A</sub> R Levels in Huntington's Disease. <i>NeuroMolecular Medicine</i> , 2013, 15, 295-309.	1.8	129
42	Differential Effect of Caffeine Consumption on Diverse Brain Areas of Pregnant Rats. <i>Journal of Caffeine Research</i> , 2012, 2, 90-98.	1.0	13
43	Modulation of Adenosine Receptors by [60]Fullerene Hydrosoluble Derivative in SK-N-MC Cells. <i>ACS Chemical Neuroscience</i> , 2011, 2, 363-369.	1.7	6
44	[60]Fullerene-based monolayers as neuroprotective biocompatible hybrid materials. <i>Chemical Communications</i> , 2011, 47, 10617.	2.2	7
45	Maternal glutamate intake during gestation and lactation regulates adenosine A <sub>1</sub> and A <sub>2A</sub> receptors in rat brain from mothers and neonates. <i>Neuroscience</i> , 2011, 199, 133-142.	1.1	8
46	Epigenetic Modulation of Adenosine A <sub>2A</sub> Receptor: A Putative Therapeutical Tool for the Treatment of Parkinson's Disease. , 2011, , .		2
47	Desensitization of adenosine A <sub>1</sub> receptors in rat immature cortical neurons. <i>European Journal of Pharmacology</i> , 2011, 670, 365-371.	1.7	13
48	Glutamate Differently Modulates Metabotropic Glutamate Receptors in Neuronal and Glial Cells. <i>Neurochemical Research</i> , 2010, 35, 1050-1063.	1.6	9
49	Maternal caffeine intake during gestation and lactation downregulates adenosine A <sub>1</sub> receptor in rat brain from mothers and neonates. <i>Journal of Neuroscience Research</i> , 2010, 88, 1252-1261.	1.3	32
50	DNA methylation regulates adenosine A <sub>2A</sub> receptor cell surface expression levels. <i>Journal of Neurochemistry</i> , 2010, 112, 1273-1285.	2.1	38
51	DNA methylation and Yin Yang-1 repress adenosine A <sub>2A</sub> receptor levels in human brain. <i>Journal of Neurochemistry</i> , 2010, 115, 283-295.	2.1	28
52	Glutamate differently modulates excitatory and inhibitory adenosine receptors in neuronal and glial cells. <i>Neurochemistry International</i> , 2010, 57, 33-42.	1.9	7
53	Age-related expression of adenosine receptors in brain from the senescence-accelerated mouse. <i>Experimental Gerontology</i> , 2009, 44, 453-461.	1.2	36
54	Reduced expression and desensitization of adenosine A <sub>1</sub> receptor/adenylyl cyclase pathway after chronic (S)-N <sup>6</sup> -phenylisopropyladenosine intake during pregnancy. <i>Neuroscience</i> , 2009, 163, 524-532.	1.1	12

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55	Effect of chronic gestational treatment with the adenosine A <sub>1</sub> receptor agonist Râ€phenylisopropyladenosine on metabotropic glutamate receptors/phospholipase C pathway in maternal and fetal brain. <i>Journal of Neuroscience Research</i> , 2008, 86, 3295-3305.	1.3	5
56	RESEARCH ARTICLE: Upâ€regulation of Adenosine Receptors in the Frontal Cortex in Alzheimer's Disease. <i>Brain Pathology</i> , 2008, 18, 211-219.	2.1	147
57	Modulation of adenosine A <sub>1</sub> and A <sub>2A</sub> receptors in C6 glioma cells during hypoxia: involvement of endogenous adenosine. <i>Journal of Neurochemistry</i> , 2008, 105, 2315-2329.	2.1	28
58	Metabotropic glutamate receptor/phospholipase C pathway is increased in rat brain at the end of pregnancy. <i>Neurochemistry International</i> , 2007, 50, 681-688.	1.9	6
59	Expression levels of adenosine receptors in hippocampus and frontal cortex in argyrophilic grain disease. <i>Neuroscience Letters</i> , 2007, 423, 194-199.	1.0	18
60	Upâ€regulation of adenosine A <sub>1</sub> receptors in frontal cortex from Pick's disease cases. <i>European Journal of Neuroscience</i> , 2007, 26, 3501-3508.	1.2	15
61	Effect of glutamate intake during gestation on adenosine A <sub>1</sub> receptor/adenylyl cyclase pathway in both maternal and fetal rat brain. <i>Journal of Neurochemistry</i> , 2007, 104, 071024001518003-???	2.1	7
62	Metabotropic glutamate receptor/phospholipase C system in female rat heart. <i>Brain Research</i> , 2007, 1153, 1-11.	1.1	9
63	Endogenous Expression of Adenosine A <sub>1</sub> , A <sub>2</sub> and A <sub>3</sub> Receptors in Rat C6 Glioma Cells. <i>Neurochemical Research</i> , 2007, 32, 1056-1070.	1.6	37
64	Group I mGluR signaling in BSE-infected bovine-PrP transgenic mice. <i>Neuroscience Letters</i> , 2006, 410, 115-120.	1.0	14
65	Adenosine A <sub>1</sub> 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, 964-975.	0.9	18
66	Adenosine A <sub>2A</sub> Receptors are Up-regulated in Pick's Disease Frontal Cortex. <i>Brain Pathology</i> , 2006, 16, 249-255.	2.1	35
67	Chronic intake of caffeine during gestation down regulates metabotropic glutamate receptors in maternal and fetal rat heart. <i>Amino Acids</i> , 2006, 30, 257-266.	1.2	18
68	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, 440-451.	2.1	22
69	Different modulation of inhibitory and stimulatory pathways mediated by adenosine after chronic in vivo agonist exposure. <i>Brain Research</i> , 2005, 1031, 211-221.	1.1	10
70	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, 127-137.	1.2	9
71	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, 638-647.	0.9	21
72	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, 685-693.	2.1	103

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73	Chronic caffeine or theophylline intake during pregnancy inhibits A1 receptor function in the rat brain. <i>Neuroscience</i> , 2005, 131, 481-489.	1.1	30
74	Metabotropic glutamate receptor/phospholipase C pathway: A vulnerable target to Creutzfeldt-Jakob disease in the cerebral cortex. <i>Neuroscience</i> , 2005, 131, 825-832.	1.1	19
75	Down-regulation of rat brain adenosine A <sub>1</sub> receptors at the end of pregnancy. <i>Journal of Neurochemistry</i> , 2004, 88, 993-1002.	2.1	18
76	Abnormal Metabotropic Glutamate Receptor Expression and Signaling in the Cerebral Cortex in Diffuse Lewy Body Disease is Associated with Irregular $\beta$ -Synuclein/Phospholipase C (PLC $\beta$ 1) Interactions. <i>Brain Pathology</i> , 2004, 14, 388-398.	2.1	65
77	Internalization of metabotropic glutamate receptor in C6 cells through clathrin-coated vesicles. <i>Molecular Brain Research</i> , 2002, 99, 54-66.	2.5	22
78	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.	1.9	17
79	Adenosine A1 Receptor in Cultured Neurons from Rat Cerebral Cortex. <i>Journal of Neurochemistry</i> , 2002, 75, 656-664.	2.1	43
80	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, 625-634.	2.1	64
81	Cross-talk between $\beta$ -adrenergic and metabotropic glutamate receptors in rat C6 glioma cells. <i>Lipids and Lipid Metabolism</i> , 1998, 1393, 186-192.	2.6	8
82	Characterization of metabotropic glutamate receptors in rat C6 glioma cells. <i>European Journal of Pharmacology</i> , 1997, 326, 85-91.	1.7	32
83	Role of Stromal Myofibroblasts Infiltrating Colon Cancer in Tumor Invasion. <i>Pathology Research and Practice</i> , 1996, 192, 712-717.	1.0	105
84	Colon-cancer cell variants producing regressive tumors in syngeneic rats, unlike variants yielding progressive tumors, attach to interstitial collagens through integrin $\alpha$ 2 $\beta$ 1. , 1996, 65, 796-804.		6
85	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, 851-857.	1.7	13
86	Characterization of metabotropic glutamate receptors coupled to a pertussis toxin sensitive G-protein in bovine brain coated vesicles. <i>FEBS Letters</i> , 1993, 316, 191-196.	1.3	15
87	Presence of phospholipase C in coated vesicles from bovine brain Dual regulatory effects of GTP-analogs. <i>FEBS Letters</i> , 1991, 290, 22-26.	1.3	7
88	Characterization of L-[3H]glutamate binding sites in bovine brain coated vesicles. <i>European Journal of Pharmacology</i> , 1991, 207, 215-224.	2.7	8
89	Bovine Brain Coated Vesicles Contain Adenosine A1Receptors. Presence of Adenylate Cyclase Coupled to the Receptor. <i>Journal of Neurochemistry</i> , 1990, 55, 106-113.	2.1	31
90	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, 770-776.	1.0	11