

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
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90
all docs

90
docs citations

90
times ranked

2863
citing authors

#	ARTICLE	IF	CITATIONS
1	RESEARCH ARTICLE: Up-regulation of Adenosine Receptors in the Frontal Cortex in Alzheimer's Disease. Brain Pathology, 2008, 18, 211-219.	2.1	147
2	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.	1.8	129
3	Membrane cholesterol access into a G-protein-coupled receptor. Nature Communications, 2017, 8, 14505.	5.8	129
4	Role of Stromal Myofibroblasts Infiltrating Colon Cancer in Tumor Invasion. Pathology Research and Practice, 1996, 192, 712-717.	1.0	105
5	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, 685-693.	2.1	103
6	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, 206-214.	2.1	91
7	Abnormal Metabotropic Glutamate Receptor Expression and Signaling in the Cerebral Cortex in Diffuse Lewy Body Disease is Associated with Irregular β -Synuclein/Phospholipase C (PLC β 1) Interactions. Brain Pathology, 2004, 14, 388-398.	2.1	65
8	Adenosine A1 receptor down-regulation in mothers and fetal brain after caffeine and theophylline treatments to pregnant rats. Journal of Neurochemistry, 2002, 82, 625-634.	2.1	64
9	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.	2.1	59
10	Comparable actions of omalizumab on mast cells and basophils. Clinical and Experimental Allergy, 2016, 46, 92-102.	1.4	56
11	Adenosine A1 Receptor in Cultured Neurons from Rat Cerebral Cortex. Journal of Neurochemistry, 2002, 75, 656-664.	2.1	43
12	Reduced striatal adenosine A2A receptor levels define a molecular subgroup in schizophrenia. Journal of Psychiatric Research, 2014, 51, 49-59.	1.5	41
13	DNA methylation regulates adenosine A _{2A} receptor cell surface expression levels. Journal of Neurochemistry, 2010, 112, 1273-1285.	2.1	38
14	Endogenous Expression of Adenosine A1, A2 and A3 Receptors in Rat C6 Glioma Cells. Neurochemical Research, 2007, 32, 1056-1070.	1.6	37
15	Age-related expression of adenosine receptors in brain from the senescence-accelerated mouse. Experimental Gerontology, 2009, 44, 453-461.	1.2	36
16	Adenosine A2AReceptors are Up-regulated in Pick's Disease Frontal Cortex. Brain Pathology, 2006, 16, 249-255.	2.1	35
17	Characterization of metabotropic glutamate receptors in rat C6 glioma cells. European Journal of Pharmacology, 1997, 326, 85-91.	1.7	32
18	Maternal caffeine intake during gestation and lactation down-regulates adenosine A ₁ receptor in rat brain from mothers and neonates. Journal of Neuroscience Research, 2010, 88, 1252-1261.	1.3	32

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19	Bovine Brain Coated Vesicles Contain Adenosine A ₁ Receptors. Presence of Adenylate Cyclase Coupled to the Receptor. <i>Journal of Neurochemistry</i> , 1990, 55, 106-113.	2.1	31
20	Chronic caffeine or theophylline intake during pregnancy inhibits A ₁ receptor function in the rat brain. <i>Neuroscience</i> , 2005, 131, 481-489.	1.1	30
21	Antihypertensive and cardioprotective effects of the dipeptide isoleucine-tryptophan and whey protein hydrolysate. <i>Acta Physiologica</i> , 2015, 215, 167-176.	1.8	30
22	Modulation of adenosine A ₁ and A _{2A} receptors in C6 glioma cells during hypoxia: involvement of endogenous adenosine. <i>Journal of Neurochemistry</i> , 2008, 105, 2315-2329.	2.1	28
23	DNA methylation and Yin Yang-1 repress adenosine A _{2A} receptor levels in human brain. <i>Journal of Neurochemistry</i> , 2010, 115, 283-295.	2.1	28
24	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
25	Hyperthermia-induced seizures alter adenosine A ₁ and A _{2A} receptors and 5'-nucleotidase activity in rat cerebral cortex. <i>Journal of Neurochemistry</i> , 2015, 134, 395-404.	2.1	26
26	Internalization of metabotropic glutamate receptor in C6 cells through clathrin-coated vesicles. <i>Molecular Brain Research</i> , 2002, 99, 54-66.	2.5	22
27	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
28	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
29	Early-life hyperthermic seizures upregulate adenosine A _{2A} receptors in the cortex and promote depressive-like behavior in adult rats. <i>Epilepsy and Behavior</i> , 2018, 86, 173-178.	0.9	20
30	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
31	Down-regulation of rat brain adenosine A ₁ receptors at the end of pregnancy. <i>Journal of Neurochemistry</i> , 2004, 88, 993-1002.	2.1	18
32	Adenosine A ₁ 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
33	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
34	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
35	Resveratrol Modulates and Reverses the Age-Related Effect on Adenosine-Mediated Signalling in SAMP8 Mice. <i>Molecular Neurobiology</i> , 2019, 56, 2881-2895.	1.9	18
36	Adenosine A ₁ 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

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37	Functional Cross-Talk between Adenosine and Metabotropic Glutamate Receptors. <i>Current Neuropharmacology</i> , 2019, 17, 422-437.	1.4	16
38	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
39	Up-regulation of adenosine A ₁ receptors in frontal cortex from Pick's disease cases. <i>European Journal of Neuroscience</i> , 2007, 26, 3501-3508.	1.2	15
40	Striatal adenosine A _{2A} receptor expression is controlled by S-adenosyl-L-methionine-mediated methylation. <i>Purinergic Signalling</i> , 2014, 10, 523-528.	1.1	15
41	Group I mGluR signaling in BSE-infected bovine-PrP transgenic mice. <i>Neuroscience Letters</i> , 2006, 410, 115-120.	1.0	14
42	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
43	Adenosine Metabolism in the Cerebral Cortex from Several Mice Models during Aging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7300.	1.8	14
44	Long-Tailed Unconventional Class I Myosins in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2555.	1.8	14
45	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
46	Desensitization of adenosine A ₁ receptors in rat immature cortical neurons. <i>European Journal of Pharmacology</i> , 2011, 670, 365-371.	1.7	13
47	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
48	Reduced expression and desensitization of adenosine A ₁ receptor/adenylyl cyclase pathway after chronic (âˆž)N ⁶ -phenylisopropyladenosine intake during pregnancy. <i>Neuroscience</i> , 2009, 163, 524-532.	1.1	12
49	[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
50	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
51	Coupling of adenosine A ₁ 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
52	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
53	Resveratrol Differently Modulates Group I Metabotropic Glutamate Receptors Depending on Age in SAMP8 Mice. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1770-1780.	1.7	10
54	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

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55	Metabotropic glutamate receptor/phospholipase C system in female rat heart. <i>Brain Research</i> , 2007, 1153, 1-11.	1.1	9
56	Glutamate Differently Modulates Metabotropic Glutamate Receptors in Neuronal and Glial Cells. <i>Neurochemical Research</i> , 2010, 35, 1050-1063.	1.6	9
57	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
58	Early Effects of the Soluble Amyloid β 25-35 Peptide in Rat Cortical Neurons: Modulation of Signal Transduction Mediated by Adenosine and Group I Metabotropic Glutamate Receptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6577.	1.8	9
59	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
60	Cross-talk between β 2-adrenergic and metabotropic glutamate receptors in rat C6 glioma cells. <i>Lipids and Lipid Metabolism</i> , 1998, 1393, 186-192.	2.6	8
61	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, 133-142.	1.1	8
62	Effect of Caffeine Chronically Consumed During Pregnancy on Adenosine A1 and A2A Receptors Signaling in Both Maternal and Fetal Heart from Wistar Rats. <i>Journal of Caffeine Research</i> , 2014, 4, 115-126.	1.0	8
63	Analysis of Ion Pairing in Solid State and Solution in <i>p</i> -Cymene Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 14171-14183.	1.9	8
64	The Density of Group I mGlu5 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, 5867.	1.8	8
65	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
66	Effect of glutamate intake during gestation on adenosine A1receptor/adenylyl cyclase pathway in both maternal and fetal rat brain. <i>Journal of Neurochemistry</i> , 2007, 104, 071024001518003-???	2.1	7
67	Glutamate differently modulates excitatory and inhibitory adenosine receptors in neuronal and glial cells. <i>Neurochemistry International</i> , 2010, 57, 33-42.	1.9	7
68	[60]Fullerene-based monolayers as neuroprotective biocompatible hybrid materials. <i>Chemical Communications</i> , 2011, 47, 10617.	2.2	7
69	Modulation of Adenosine Receptors and Antioxidative Effect of Beer Extracts in in Vitro Models. <i>Nutrients</i> , 2019, 11, 1258.	1.7	7
70	Adenosine and Metabotropic Glutamate Receptors Are Present in Blood Serum and Exosomes from SAMP8 Mice: Modulation by Aging and Resveratrol. <i>Cells</i> , 2020, 9, 1628.	1.8	7
71	Antitumoral Action of Resveratrol Through Adenosinergic Signaling in C6 Glioma Cells. <i>Frontiers in Neuroscience</i> , 2021, 15, 702817.	1.4	7
72	Colon-cancer cell variants producing regressive tumors in syngeneic rats, unlike variants yielding progressive tumors, attach to interstitial collagens through integrin α 2 β 1. , 1996, 65, 796-804.		6

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73	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
74	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
75	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
76	Glutamatergic System is Affected in Brain from an Hyperthermia-Induced Seizures Rat Model. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 1501-1512.	1.7	6
77	Neuroprotective Effects of Resveratrol by Modifying Cholesterol Metabolism and A β Processing in SAMP8 Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7580.	1.8	6
78	Effect of chronic gestational treatment with the adenosine A ₁ receptor agonist R α -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
79	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
80	Chronic oral administration of MPEP, an antagonist of mGlu5 receptor, during gestation and lactation alters mGlu5 and A2A receptors in maternal and neonatal brain. <i>Neuroscience</i> , 2017, 344, 187-203.	1.1	3
81	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
82	Hyperthermia-induced seizures produce long-term effects on the functionality of adenosine A ₁ receptor in rat cerebral cortex. <i>International Journal of Developmental Neuroscience</i> , 2020, 80, 1-12.	0.7	3
83	Epigenetic Modulation of Adenosine A2A Receptor: A Putative Therapeutical Tool for the Treatment of Parkinson's Disease. , 2011, , .		2
84	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
85	Modulation of Adenosine Receptors by Hops and Xanthohumol in Cell Cultures. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2373-2384.	1.7	2
86	Oxidative stress in epileptogenesis: Febrile seizures, chemoconvulsant pilocarpine, and electrical stimulation. , 2020, , 81-94.		1
87	High-Fat and Resveratrol Supplemented Diets Modulate Adenosine Receptors in the Cerebral Cortex of C57BL/6J and SAMP8 Mice. <i>Nutrients</i> , 2021, 13, 3040.	1.7	1
88	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. <i>Physiology and Behavior</i> , 2021, 240, 113543.	1.0	1
89	Perceptions of Patients and Their Families Regarding Limitation of Therapeutic Effort in the Intensive Care Unit. <i>Journal of Clinical Medicine</i> , 2021, 10, 4900.	1.0	1
90	Polyphenols and Neuroprotection: The Role of Adenosine Receptors. <i>Journal of Caffeine and Adenosine Research</i> , 2019, 9, 167-179.	0.8	0