

Joaquim A Ribeiro

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200
papers

10,569
citations

59
h-index

94
g-index

203
ext. papers

11,334
ext. citations

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avg, IF

6.23
L-index

#	Paper	IF	Citations
200	Adenosine receptors in the nervous system: pathophysiological implications. <i>Progress in Neurobiology</i> , 2002 , 68, 377-92	10.9	397
199	Caffeine and adenosine. <i>Journal of Alzheimers Disease</i> , 2010 , 20 Suppl 1, S3-15	4.3	271
198	Adenosine receptors and calcium: basis for proposing a third (A3) adenosine receptor. <i>Progress in Neurobiology</i> , 1986 , 26, 179-209	10.9	265
197	Adenosine A2 receptor-mediated excitatory actions on the nervous system. <i>Progress in Neurobiology</i> , 1996 , 48, 167-89	10.9	256
196	Fine-tuning neuromodulation by adenosine. <i>Trends in Pharmacological Sciences</i> , 2000 , 21, 341-6	13.2	215
195	Evidence for functionally important adenosine A2a receptors in the rat hippocampus. <i>Brain Research</i> , 1994 , 649, 208-16	3.7	211
194	Adenosine: does it have a neuroprotective role after all?. <i>Brain Research Reviews</i> , 2000 , 33, 258-74		207
193	Preferential release of ATP and its extracellular catabolism as a source of adenosine upon high- but not low-frequency stimulation of rat hippocampal slices. <i>Journal of Neurochemistry</i> , 1996 , 67, 2180-7	6	206
192	Inhibition by ATP of hippocampal synaptic transmission requires localized extracellular catabolism by ecto-nucleotidases into adenosine and channeling to adenosine A1 receptors. <i>Journal of Neuroscience</i> , 1998 , 18, 1987-95	6.6	192
191	Adenosine A(2A) receptor facilitation of hippocampal synaptic transmission is dependent on tonic A(1) receptor inhibition. <i>Neuroscience</i> , 2002 , 112, 319-29	3.9	171
190	Adenosine receptors and the central nervous system. <i>Handbook of Experimental Pharmacology</i> , 2009 , 471-534	3.2	163
189	The effects of adenosine triphosphate and adenosine diphosphate on transmission at the rat and frog neuromuscular junctions. <i>British Journal of Pharmacology</i> , 1975 , 54, 213-8	8.6	162
188	ATP as a presynaptic modulator. <i>Life Sciences</i> , 2000 , 68, 119-37	6.8	156
187	Cross talk between A(1) and A(2A) adenosine receptors in the hippocampus and cortex of young adult and old rats. <i>Journal of Neurophysiology</i> , 1999 , 82, 3196-203	3.2	152
186	Activation of adenosine A2A receptor facilitates brain-derived neurotrophic factor modulation of synaptic transmission in hippocampal slices. <i>Journal of Neuroscience</i> , 2004 , 24, 2905-13	6.6	146
185	Inhibition of NMDA receptor-mediated currents in isolated rat hippocampal neurones by adenosine A1 receptor activation. <i>NeuroReport</i> , 1995 , 6, 1097-100	1.7	139
184	Preferential activation of excitatory adenosine receptors at rat hippocampal and neuromuscular synapses by adenosine formed from released adenine nucleotides. <i>British Journal of Pharmacology</i> , 1996 , 119, 253-60	8.6	128

183	Modification of A1 and A2a adenosine receptor binding in aged striatum, hippocampus and cortex of the rat. <i>NeuroReport</i> , 1995 , 6, 1583-8	1.7	128
182	Adenosine and adenosine triphosphate decrease 45Ca uptake by synaptosomes stimulated by potassium. <i>Biochemical Pharmacology</i> , 1979 , 28, 1297-300	6	126
181	On the role, inactivation and origin of endogenous adenosine at the frog neuromuscular junction. <i>Journal of Physiology</i> , 1987 , 384, 571-85	3.9	122
180	Excitatory and inhibitory effects of A1 and A2A adenosine receptor activation on the electrically evoked [3H]acetylcholine release from different areas of the rat hippocampus. <i>Journal of Neurochemistry</i> , 1994 , 63, 207-14	6	121
179	Inhibitory and excitatory effects of adenosine receptor agonists on evoked transmitter release from phrenic nerve ending of the rat. <i>British Journal of Pharmacology</i> , 1991 , 103, 1614-20	8.6	115
178	Endogenous adenosine modulates long-term potentiation in the hippocampus. <i>Neuroscience</i> , 1994 , 62, 385-90	3.9	114
177	Evidence for the presence of excitatory A2 adenosine receptors in the rat hippocampus. <i>Neuroscience Letters</i> , 1992 , 138, 41-4	3.3	114
176	Enhanced role of adenosine A(2A) receptors in the modulation of LTP in the rat hippocampus upon ageing. <i>European Journal of Neuroscience</i> , 2011 , 34, 12-21	3.5	113
175	Presynaptic A1 inhibitory/A2A facilitatory adenosine receptor activation balance depends on motor nerve stimulation paradigm at the rat hemidiaphragm. <i>Journal of Neurophysiology</i> , 1996 , 76, 3910-9	3.2	112
174	Purinergic modulation of [(3)H]GABA release from rat hippocampal nerve terminals. <i>Neuropharmacology</i> , 2000 , 39, 1156-67	5.5	109
173	Early changes of neuromuscular transmission in the SOD1(G93A) mice model of ALS start long before motor symptoms onset. <i>PLoS ONE</i> , 2013 , 8, e73846	3.7	108
172	Effect of adenosine on carotid chemoreceptor activity in the cat. <i>British Journal of Pharmacology</i> , 1981 , 74, 129-36	8.6	103
171	Adenosine: setting the stage for plasticity. <i>Trends in Neurosciences</i> , 2013 , 36, 248-57	13.3	98
170	Enhancement of long-term potentiation by brain-derived neurotrophic factor requires adenosine A2A receptor activation by endogenous adenosine. <i>Neuropharmacology</i> , 2008 , 54, 924-33	5.5	98
169	Enhancement of LTP in aged rats is dependent on endogenous BDNF. <i>Neuropsychopharmacology</i> , 2011 , 36, 1823-36	8.7	97
168	Ventilatory effects of adenosine mediated by carotid body chemoreceptors in the rat. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1987 , 335, 143-8	3.4	97
167	A1R-A2AR heteromers coupled to Gs and Gi/o proteins modulate GABA transport into astrocytes. <i>Purinergic Signalling</i> , 2013 , 9, 433-49	3.8	93
166	Pharmacological characterization of the receptor involved in chemoexcitation induced by adenosine. <i>British Journal of Pharmacology</i> , 1986 , 88, 615-20	8.6	89

165	Enhanced adenosine A2A receptor facilitation of synaptic transmission in the hippocampus of aged rats. <i>Journal of Neurophysiology</i> , 2003 , 90, 1295-303	3.2	83
164	Tuning and fine-tuning of synapses with adenosine. <i>Current Neuropharmacology</i> , 2009 , 7, 180-94	7.6	81
163	The inhibitory adenosine receptor at the neuromuscular junction and hippocampus of the rat: antagonism by 1,3,8-substituted xanthines. <i>British Journal of Pharmacology</i> , 1990 , 101, 453-9	8.6	81
162	Lipid rafts, synaptic transmission and plasticity: impact in age-related neurodegenerative diseases. <i>Neuropharmacology</i> , 2013 , 64, 97-107	5.5	80
161	Activation of synaptic NMDA receptors by action potential-dependent release of transmitter during hypoxia impairs recovery of synaptic transmission on reoxygenation. <i>Journal of Neuroscience</i> , 2001 , 21, 8564-71	6.6	79
160	Adenosine and neuronal plasticity. <i>Life Sciences</i> , 1997 , 60, 245-51	6.8	77
159	Influence of age on BDNF modulation of hippocampal synaptic transmission: interplay with adenosine A2A receptors. <i>Hippocampus</i> , 2007 , 17, 577-85	3.5	76
158	Ecto-5'-nucleotidase is associated with cholinergic nerve terminals in the hippocampus but not in the cerebral cortex of the rat. <i>Journal of Neurochemistry</i> , 1992 , 59, 657-66	6	76
157	Adenosine A2A receptor interactions with receptors for other neurotransmitters and neuromodulators. <i>European Journal of Pharmacology</i> , 1999 , 375, 101-13	5.3	73
156	Adenosine and related drugs in brain diseases: present and future in clinical trials. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 1087-101	3	72
155	Increase in the number, G protein coupling, and efficiency of facilitatory adenosine A2A receptors in the limbic cortex, but not striatum, of aged rats. <i>Journal of Neurochemistry</i> , 1999 , 73, 1733-8	6	71
154	Participation of adenosine receptors in neuroprotection. <i>Drug News and Perspectives</i> , 2003 , 16, 80-6		70
153	Endogenous adenosine attenuates long-term depression and depotentiation in the CA1 region of the rat hippocampus. <i>Neuropharmacology</i> , 1997 , 36, 161-7	5.5	69
152	Adenosine A2A receptors control the extracellular levels of adenosine through modulation of nucleoside transporters activity in the rat hippocampus. <i>Journal of Neurochemistry</i> , 2005 , 93, 595-604	6	68
151	Enhancement of AMPA currents and GluR1 membrane expression through PKA-coupled adenosine A(2A) receptors. <i>Hippocampus</i> , 2012 , 22, 276-91	3.5	67
150	Adenosine A2A receptors stimulate acetylcholine release from nerve terminals of the rat hippocampus. <i>Neuroscience Letters</i> , 1995 , 196, 41-4	3.3	66
149	Purinergic inhibition of neurotransmitter release in the central nervous system. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995 , 77, 299-305		66
148	ZM241385 is an antagonist of the facilitatory responses produced by the A2A adenosine receptor agonists CGS21680 and HENECA in the rat hippocampus. <i>British Journal of Pharmacology</i> , 1997 , 122, 1279-84	8.6	65

147	Parallel modification of adenosine extracellular metabolism and modulatory action in the hippocampus of aged rats. <i>Journal of Neurochemistry</i> , 2001 , 76, 372-82	6	62
146	Modification of adenosine modulation of synaptic transmission in the hippocampus of aged rats. <i>British Journal of Pharmacology</i> , 2000 , 131, 1629-34	8.6	62
145	Adenosine modulates synaptic plasticity in hippocampal slices from aged rats. <i>Brain Research</i> , 1999 , 851, 228-34	3.7	61
144	Tonic adenosine A2A receptor activation modulates nicotinic autoreceptor function at the rat neuromuscular junction. <i>European Journal of Pharmacology</i> , 1994 , 271, 349-55	5.3	60
143	Adenosine inhibits the NMDA receptor-mediated excitatory postsynaptic potential in the hippocampus. <i>Brain Research</i> , 1993 , 606, 351-6	3.7	60
142	Maternal separation impairs long term-potential in CA1-CA3 synapses and hippocampal-dependent memory in old rats. <i>Neurobiology of Aging</i> , 2014 , 35, 1680-5	5.6	59
141	Adenosine A(2A) receptor modulation of hippocampal CA3-CA1 synapse plasticity during associative learning in behaving mice. <i>Neuropsychopharmacology</i> , 2009 , 34, 1865-74	8.7	59
140	Purinergic regulation of acetylcholine release. <i>Progress in Brain Research</i> , 1996 , 109, 231-41	2.9	57
139	Hypoxia-induced desensitization and internalization of adenosine A1 receptors in the rat hippocampus. <i>Neuroscience</i> , 2006 , 138, 1195-203	3.9	56
138	Purinergic modulation of the evoked release of [³ H]acetylcholine from the hippocampus and cerebral cortex of the rat: role of the ectonucleotidases. <i>European Journal of Neuroscience</i> , 1994 , 6, 33-42	3.5	56
137	Neuronal P2 receptors of the central nervous system. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 831-8	3	56
136	Overexpression of Adenosine A2A Receptors in Rats: Effects on Depression, Locomotion, and Anxiety. <i>Frontiers in Psychiatry</i> , 2014 , 5, 67	5	55
135	Triggering neurotrophic factor actions through adenosine A2A receptor activation: implications for neuroprotection. <i>British Journal of Pharmacology</i> , 2009 , 158, 15-22	8.6	55
134	Triggering of BDNF facilitatory action on neuromuscular transmission by adenosine A2A receptors. <i>Neuroscience Letters</i> , 2006 , 404, 143-7	3.3	55
133	Inhibition of [³ H] gamma-aminobutyric acid release by kainate receptor activation in rat hippocampal synaptosomes. <i>European Journal of Pharmacology</i> , 1997 , 323, 167-72	5.3	54
132	Interleukin-6 upregulates neuronal adenosine A1 receptors: implications for neuromodulation and neuroprotection. <i>Neuropsychopharmacology</i> , 2008 , 33, 2237-50	8.7	54
131	Homeostatic control of synaptic activity by endogenous adenosine is mediated by adenosine kinase. <i>Cerebral Cortex</i> , 2014 , 24, 67-80	5.1	51
130	Brain-derived neurotrophic factor (BDNF) enhances GABA transport by modulating the trafficking of GABA transporter-1 (GAT-1) from the plasma membrane of rat cortical astrocytes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40464-76	5.4	51

129	Modulation and metamodulation of synapses by adenosine. <i>Acta Physiologica</i> , 2010 , 199, 161-9	5.6	48
128	Activation of adenosine A2A receptors induces TrkB translocation and increases BDNF-mediated phospho-TrkB localization in lipid rafts: implications for neuromodulation. <i>Journal of Neuroscience</i> , 2010 , 30, 8468-80	6.6	47
127	Presynaptic inhibitory receptors mediate the depression of synaptic transmission upon hypoxia in rat hippocampal slices. <i>Brain Research</i> , 2000 , 869, 158-65	3.7	47
126	Pertussis toxin prevents presynaptic inhibition by kainate receptors of rat hippocampal [(3)H]GABA release. <i>FEBS Letters</i> , 2000 , 469, 159-62	3.8	47
125	Facilitation by arachidonic acid of acetylcholine release from the rat hippocampus. <i>Brain Research</i> , 1999 , 826, 104-11	3.7	47
124	Neuromodulation and metamodulation by adenosine: Impact and subtleties upon synaptic plasticity regulation. <i>Brain Research</i> , 2015 , 1621, 102-13	3.7	46
123	Purinergic P2 receptors trigger adenosine release leading to adenosine A2A receptor activation and facilitation of long-term potentiation in rat hippocampal slices. <i>Neuroscience</i> , 2003 , 122, 111-21	3.9	45
122	Adenosine A2A receptor facilitation of synaptic transmission in the CA1 area of the rat hippocampus requires protein kinase C but not protein kinase A activation. <i>Neuroscience Letters</i> , 2000 , 289, 127-30	3.3	45
121	G protein coupling of CGS 21680 binding sites in the rat hippocampus and cortex is different from that of adenosine A1 and striatal A2A receptors. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1999 , 359, 295-302	3.4	45
120	2-Chloroadenosine decreases long-term potentiation in the hippocampal CA1 area of the rat. <i>Neuroscience Letters</i> , 1990 , 118, 107-11	3.3	44
119	On the adenosine receptor and adenosine inactivation at the rat diaphragm neuromuscular junction. <i>British Journal of Pharmacology</i> , 1988 , 94, 109-20	8.6	44
118	Adenosine A2A receptors enhance GABA transport into nerve terminals by restraining PKC inhibition of GAT-1. <i>Journal of Neurochemistry</i> , 2009 , 109, 336-47	6	43
117	Ecto-AMP deaminase blunts the ATP-derived adenosine A2A receptor facilitation of acetylcholine release at rat motor nerve endings. <i>Journal of Physiology</i> , 2003 , 549, 399-408	3.9	43
116	Purine nucleosides in neuroregeneration and neuroprotection. <i>Neuropharmacology</i> , 2016 , 104, 226-42	5.5	42
115	Adenosine A2A receptors facilitate 45Ca^{2+} uptake through class A calcium channels in rat hippocampal CA3 but not CA1 synaptosomes. <i>Neuroscience Letters</i> , 1997 , 238, 73-7	3.3	42
114	Kainate receptors coupled to G(i)/G(o) proteins in the rat hippocampus. <i>Molecular Pharmacology</i> , 1999 , 56, 429-33	4.3	42
113	Adenosine uptake and deamination regulate tonic A2a receptor facilitation of evoked [3H]acetylcholine release from the rat motor nerve terminals. <i>Neuroscience</i> , 1996 , 73, 85-92	3.9	41
112	Brain-derived neurotrophic factor facilitates glutamate and inhibits GABA release from hippocampal synaptosomes through different mechanisms. <i>Brain Research</i> , 2004 , 1016, 72-8	3.7	40

111	Modulation of brain-derived neurotrophic factor (BDNF) actions in the nervous system by adenosine A(2A) receptors and the role of lipid rafts. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1340-9	3.8	39
110	Age-related changes of glycine receptor at the rat hippocampus: from the embryo to the adult. <i>Journal of Neurochemistry</i> , 2011 , 118, 339-53	6	39
109	Postsynaptic action of brain-derived neurotrophic factor attenuates alpha7 nicotinic acetylcholine receptor-mediated responses in hippocampal interneurons. <i>Journal of Neuroscience</i> , 2008 , 28, 5611-8	6.6	39
108	What can adenosine neuromodulation do for neuroprotection?. <i>CNS and Neurological Disorders</i> , 2005 , 4, 325-9		39
107	A functional role for adenosine A3 receptors: modulation of synaptic plasticity in the rat hippocampus. <i>Neuroscience Letters</i> , 2001 , 302, 53-7	3.3	39
106	A functionally active presynaptic high-affinity kainate receptor in the rat hippocampal CA3 subregion. <i>Neuroscience Letters</i> , 1995 , 185, 83-6	3.3	39
105	Potentiation by tonic A2a-adenosine receptor activation of CGRP-facilitated [3H]-ACh release from rat motor nerve endings. <i>British Journal of Pharmacology</i> , 1994 , 111, 582-8	8.6	39
104	On the type of receptor involved in the inhibitory action of adenosine at the neuromuscular junction. <i>British Journal of Pharmacology</i> , 1985 , 84, 911-8	8.6	39
103	Immunologically distinct isoforms of ecto-5'-nucleotidase in nerve terminals of different areas of the rat hippocampus. <i>Journal of Neurochemistry</i> , 2000 , 74, 334-8	6	38
102	Ischemia-induced synaptic plasticity drives sustained expression of calcium-permeable AMPA receptors in the hippocampus. <i>Neuropharmacology</i> , 2013 , 65, 114-22	5.5	37
101	Regulation of hippocampal cannabinoid CB1 receptor actions by adenosine A1 receptors and chronic caffeine administration: implications for the effects of Δ^9 -tetrahydrocannabinol on spatial memory. <i>Neuropsychopharmacology</i> , 2011 , 36, 472-87	8.7	37
100	Evidence that the presynaptic A2a-adenosine receptor of the rat motor nerve endings is positively coupled to adenylate cyclase. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1994 , 350, 514-22	3.4	36
99	Adenosine A1 Receptor Suppresses Tonic GABAA Receptor Currents in Hippocampal Pyramidal Cells and in a Defined Subpopulation of Interneurons. <i>Cerebral Cortex</i> , 2016 , 26, 1081-95	5.1	34
98	Glial cell line-derived neurotrophic factor (GDNF) enhances dopamine release from striatal nerve endings in an adenosine A2A receptor-dependent manner. <i>Brain Research</i> , 2006 , 1113, 129-36	3.7	34
97	Facilitation by P(2) receptor activation of acetylcholine release from rat motor nerve terminals: interaction with presynaptic nicotinic receptors. <i>Brain Research</i> , 2000 , 877, 245-50	3.7	34
96	Regulation of TrkB receptor translocation to lipid rafts by adenosine A(2A) receptors and its functional implications for BDNF-induced regulation of synaptic plasticity. <i>Purinergic Signalling</i> , 2014 , 10, 251-67	3.8	33
95	Long-term potentiation observed upon blockade of adenosine A1 receptors in rat hippocampus is N-methyl-D-aspartate receptor-dependent. <i>Neuroscience Letters</i> , 2000 , 291, 81-4	3.3	33
94	Cortical Neurotoxic Astrocytes with Early ALS Pathology and miR-146a Deficit Replicate Gliosis Markers of Symptomatic SOD1G93A Mouse Model. <i>Molecular Neurobiology</i> , 2019 , 56, 2137-2158	6.2	32

93	Brain-derived neurotrophic factor inhibits GABA uptake by the rat hippocampal nerve terminals. <i>Brain Research</i> , 2008 , 1219, 19-25	3-7	32
92	Modulation of the rat hippocampal dinucleotide receptor by adenosine receptor activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 301, 441-50	4-7	32
91	Interactions between adenosine and phorbol esters or lithium at the frog neuromuscular junction. <i>British Journal of Pharmacology</i> , 1990 , 100, 55-62	8.6	32
90	Action of adenosine triphosphate on endplate potentials recorded from muscle fibres of the rat-diaphragm and frog sartorius. <i>British Journal of Pharmacology</i> , 1973 , 49, 724-5	8.6	32
89	Age-dependent decrease in adenosine A1 receptor binding sites in the rat brain. Effect of cis unsaturated free fatty acids. <i>FEBS Journal</i> , 2001 , 268, 2939-47		31
88	P2Y1 receptor inhibits GABA transport through a calcium signalling-dependent mechanism in rat cortical astrocytes. <i>Glia</i> , 2014 , 62, 1211-26	9	30
87	1,3-Dipropyl-8-cyclopentylxanthine attenuates the NMDA response to hypoxia in the rat hippocampus. <i>Brain Research</i> , 1994 , 661, 265-73	3-7	30
86	Effect of 5'-(N-ethylcarboxamido)adenosine on adenosine transport in cultured chromaffin cells. <i>Journal of Neurochemistry</i> , 1990 , 54, 1941-6	6	30
85	Enhancement of transmission at the frog neuromuscular junction by adenosine deaminase: evidence for an inhibitory role of endogenous adenosine on neuromuscular transmission. <i>Neuroscience Letters</i> , 1985 , 62, 267-70	3-3	30
84	VIP enhances both pre- and postsynaptic GABAergic transmission to hippocampal interneurons leading to increased excitatory synaptic transmission to CA1 pyramidal cells. <i>British Journal of Pharmacology</i> , 2004 , 143, 733-44	8.6	29
83	Adenosine by activating A1 receptors prevents GABAA-mediated actions during hypoxia in the rat hippocampus. <i>Brain Research</i> , 1996 , 732, 261-6	3-7	29
82	Axonal elongation and dendritic branching is enhanced by adenosine A2A receptors activation in cerebral cortical neurons. <i>Brain Structure and Function</i> , 2016 , 221, 2777-99	4	28
81	GDNF control of the glutamatergic cortico-striatal pathway requires tonic activation of adenosine A receptors. <i>Journal of Neurochemistry</i> , 2009 , 108, 1208-19	6	28
80	Dopamine-galanin receptor heteromers modulate cholinergic neurotransmission in the rat ventral hippocampus. <i>Journal of Neuroscience</i> , 2011 , 31, 7412-23	6.6	27
79	VIP enhances synaptic transmission to hippocampal CA1 pyramidal cells through activation of both VPAC1 and VPAC2 receptors. <i>Brain Research</i> , 2005 , 1049, 52-60	3-7	27
78	Escitalopram improves memory deficits induced by maternal separation in the rat. <i>European Journal of Pharmacology</i> , 2012 , 695, 71-5	5-3	26
77	Cannabinoid CB(1) and adenosine A(1) receptors independently inhibit hippocampal synaptic transmission. <i>European Journal of Pharmacology</i> , 2009 , 623, 41-6	5-3	25
76	Influence of metabotropic glutamate receptor agonists on the inhibitory effects of adenosine A1 receptor activation in the rat hippocampus. <i>British Journal of Pharmacology</i> , 1997 , 121, 1541-8	8.6	25

75	A(2A) adenosine receptor facilitation of neuromuscular transmission: influence of stimulus paradigm on calcium mobilization. <i>Journal of Neurochemistry</i> , 2000 , 74, 2462-9	6	25
74	Chronic and acute adenosine A receptor blockade prevents long-term episodic memory disruption caused by acute cannabinoid CB receptor activation. <i>Neuropharmacology</i> , 2017 , 117, 316-327	5.5	24
73	Modification by arachidonic acid of extracellular adenosine metabolism and neuromodulatory action in the rat hippocampus. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37572-81	5.4	24
72	An adenosine analogue inhibits NMDA receptor-mediated responses in bipolar cells of the rat retina. <i>Experimental Eye Research</i> , 1999 , 68, 367-70	3.7	24
71	Predominance of adenosine excitatory over inhibitory effects on transmission at the neuromuscular junction of infant rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 153-63	4.7	23
70	Blockade of adenosine A2A receptors prevents protein phosphorylation in the striatum induced by cortical stimulation. <i>Journal of Neuroscience</i> , 2006 , 26, 10808-12	6.6	23
69	ZM 241385, an adenosine A(2A) receptor antagonist, inhibits hippocampal A(1) receptor responses. <i>European Journal of Pharmacology</i> , 1999 , 383, 395-8	5.3	23
68	A1 and A2A receptor activation by endogenous adenosine is required for VIP enhancement of K ⁺ -evoked [3H]-GABA release from rat hippocampal nerve terminals. <i>Neuroscience Letters</i> , 2008 , 430, 207-212	3.3	22
67	Tonic activation of A(2A) adenosine receptors unmasks, and of A(1) receptors prevents, a facilitatory action of calcitonin gene-related peptide in the rat hippocampus. <i>British Journal of Pharmacology</i> , 2000 , 129, 374-80	8.6	22
66	Separation of adenosine triphosphate and its degradation products in innervated muscle of the frog by reverse phase high-performance liquid chromatography. <i>Chromatographia</i> , 1989 , 28, 610-612	2.1	22
65	BDNF-induced presynaptic facilitation of GABAergic transmission in the hippocampus of young adults is dependent of TrkB and adenosine A2A receptors. <i>Purinergic Signalling</i> , 2016 , 12, 283-94	3.8	21
64	Adenosine A2A receptors activation facilitates neuromuscular transmission in the pre-symptomatic phase of the SOD1(G93A) ALS mice, but not in the symptomatic phase. <i>PLoS ONE</i> , 2014 , 9, e104081	3.7	21
63	Adenosine A receptors facilitate synaptic NMDA currents in CA1 pyramidal neurons. <i>British Journal of Pharmacology</i> , 2018 , 175, 4386-4397	8.6	21
62	Hippocampal GABAergic transmission: a new target for adenosine control of excitability. <i>Journal of Neurochemistry</i> , 2016 , 139, 1056-1070	6	20
61	Dual Influence of Endocannabinoids on Long-Term Potentiation of Synaptic Transmission. <i>Frontiers in Pharmacology</i> , 2017 , 8, 921	5.6	19
60	Influence of stimulation on Ca(2+) recruitment triggering [3H]acetylcholine release from the rat motor-nerve endings. <i>European Journal of Pharmacology</i> , 2000 , 406, 355-62	5.3	19
59	Contribution of metabotropic glutamate receptors to the depression of excitatory postsynaptic potentials during hypoxia. <i>NeuroReport</i> , 1997 , 8, 3667-71	1.7	18
58	Adenine nucleotides as inhibitors of synaptic transmission: role of localised ectonucleotidases. <i>Progress in Brain Research</i> , 1999 , 120, 183-92	2.9	18

57	Effect of adenosine on $^{45}\text{Ca}^{2+}$ uptake by electrically stimulated rat brain synaptosomes. <i>Journal of Neurochemistry</i> , 1991 , 56, 1769-73	6	18
56	Chronic, intermittent treatment with a cannabinoid receptor agonist impairs recognition memory and brain network functional connectivity. <i>Journal of Neurochemistry</i> , 2018 , 147, 71-83	6	17
55	Tonic adenosine A1 and A2A receptor activation is required for the excitatory action of VIP on synaptic transmission in the CA1 area of the hippocampus. <i>Neuropharmacology</i> , 2007 , 52, 313-20	5.5	17
54	Persistence of the neuromodulatory effects of adenosine on synaptic transmission after long-term potentiation and long-term depression. <i>Brain Research</i> , 2002 , 932, 56-60	3.7	16
53	Presymptomatic and symptomatic ALS SOD1(G93A) mice differ in adenosine A1 and A2A receptor-mediated tonic modulation of neuromuscular transmission. <i>Purinergic Signalling</i> , 2015 , 11, 471-80	3.8	15
52	Modulation of GABA transport by adenosine A1R-A2AR heteromers, which are coupled to both Gs- and G(i/o)-proteins. <i>Journal of Neuroscience</i> , 2011 , 31, 15629-39	6.6	15
51	Antagonism of tetrodotoxin- and procaine-induced axonal blockade by adenine nucleotides in the frog sciatic nerve. <i>British Journal of Pharmacology</i> , 1984 , 81, 277-82	8.6	15
50	Effects of carbamazepine and novel 10,11-dihydro-5H-dibenz[b,f]azepine-5-carboxamide derivatives on synaptic transmission in rat hippocampal slices. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002 , 90, 208-13		14
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48	Biological activities of N6,C8-disubstituted adenosine derivatives as partial agonists at rat brain adenosine A1 receptors. <i>European Journal of Pharmacology</i> , 1997 , 334, 299-307	5.3	13
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