

Rodrigo A. Cunha

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299
papers

16,781
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73
h-index

118
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311
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19,135
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L-index

#	Paper	IF	Citations
299	Adenosine as a neuromodulator and as a homeostatic regulator in the nervous system: different roles, different sources and different receptors. <i>Neurochemistry International</i> , 2001 , 38, 107-25	4.4	490
298	Adenosine and brain function. <i>International Review of Neurobiology</i> , 2005 , 63, 191-270	4.4	488
297	Presynaptic control of striatal glutamatergic neurotransmission by adenosine A1-A2A receptor heteromers. <i>Journal of Neuroscience</i> , 2006 , 26, 2080-7	6.6	473
296	Neuroinflammation, oxidative stress and the pathogenesis of Alzheimer's disease. <i>Current Pharmaceutical Design</i> , 2010 , 16, 2766-78	3.3	436
295	Neuroprotection by adenosine in the brain: From A(1) receptor activation to A (2A) receptor blockade. <i>Purinergic Signalling</i> , 2005 , 1, 111-34	3.8	383
294	Adenosine A2A receptors and basal ganglia physiology. <i>Progress in Neurobiology</i> , 2007 , 83, 277-92	10.9	288
293	Adenosine receptors and brain diseases: neuroprotection and neurodegeneration. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1380-99	3.8	284
292	Adenosine A2A receptors are essential for long-term potentiation of NMDA-EPSCs at hippocampal mossy fiber synapses. <i>Neuron</i> , 2008 , 57, 121-34	13.9	269
291	Caffeine and adenosine A(2a) receptor antagonists prevent beta-amyloid (25-35)-induced cognitive deficits in mice. <i>Experimental Neurology</i> , 2007 , 203, 241-5	5.7	260
290	Adenosine A2A receptor blockade prevents synaptotoxicity and memory dysfunction caused by beta-amyloid peptides via p38 mitogen-activated protein kinase pathway. <i>Journal of Neuroscience</i> , 2009 , 29, 14741-51	6.6	251
289	How does adenosine control neuronal dysfunction and neurodegeneration?. <i>Journal of Neurochemistry</i> , 2016 , 139, 1019-1055	6	222
288	Evidence for functionally important adenosine A2a receptors in the rat hippocampus. <i>Brain Research</i> , 1994 , 649, 208-16	3.7	211
287	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
286	An update on adenosine A2A-dopamine D2 receptor interactions: implications for the function of G protein-coupled receptors. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1468-74	3.3	203
285	Involvement of cannabinoid receptors in the regulation of neurotransmitter release in the rodent striatum: a combined immunochemical and pharmacological analysis. <i>Journal of Neuroscience</i> , 2005 , 25, 2874-84	6.6	203
284	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
283	Caffeine acts through neuronal adenosine A2A receptors to prevent mood and memory dysfunction triggered by chronic stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 7833-8	11.5	181

282	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
281	Dual presynaptic control by ATP of glutamate release via facilitatory P2X1, P2X2/3, and P2X3 and inhibitory P2Y1, P2Y2, and/or P2Y4 receptors in the rat hippocampus. <i>Journal of Neuroscience</i> , 2005 , 25, 6286-95	6.6	170
280	Co-localization and functional interaction between adenosine A(2A) and metabotropic group 5 receptors in glutamatergic nerve terminals of the rat striatum. <i>Journal of Neurochemistry</i> , 2005 , 92, 433-41	6.1	170
279	Anticonvulsant and sodium channel-blocking properties of novel 10,11-dihydro-5H-dibenz[b,f]azepine-5-carboxamide derivatives. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 2582-7	8.3	169
278	Chronic caffeine consumption prevents memory disturbance in different animal models of memory decline. <i>Journal of Alzheimer's Disease</i> , 2010 , 20 Suppl 1, S95-116	4.3	163
277	ATP as a multi-target danger signal in the brain. <i>Frontiers in Neuroscience</i> , 2015 , 9, 148	5.1	156
276	ATP as a presynaptic modulator. <i>Life Sciences</i> , 2000 , 68, 119-37	6.8	156
275	Potential therapeutic interest of adenosine A2A receptors in psychiatric disorders. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1512-24	3.3	154
274	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
273	Different synaptic and subsynaptic localization of adenosine A2A receptors in the hippocampus and striatum of the rat. <i>Neuroscience</i> , 2005 , 132, 893-903	3.9	151
272	Evidence for high-affinity binding sites for the adenosine A2A receptor agonist [3H] CGS 21680 in the rat hippocampus and cerebral cortex that are different from striatal A2A receptors. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1996 , 353, 261-71	3.4	149
271	Activation of microglial cells triggers a release of brain-derived neurotrophic factor (BDNF) inducing their proliferation in an adenosine A2A receptor-dependent manner: A2A receptor blockade prevents BDNF release and proliferation of microglia. <i>Journal of Neuroinflammation</i> , 2013 , 12, 11	10.1	144
270	Adenosine A2A receptors control neuroinflammation and consequent hippocampal neuronal dysfunction. <i>Journal of Neurochemistry</i> , 2011 , 117, 100-11	6	138
269	Adenosine A2A receptor antagonists exert motor and neuroprotective effects by distinct cellular mechanisms. <i>Annals of Neurology</i> , 2008 , 63, 338-46	9.4	135
268	Early synaptic deficits in the APP/PS1 mouse model of Alzheimer's disease involve neuronal adenosine A2A receptors. <i>Nature Communications</i> , 2016 , 7, 11915	17.4	129
267	A critical role of the adenosine A2A receptor in extrastriatal neurons in modulating psychomotor activity as revealed by opposite phenotypes of striatum and forebrain A2A receptor knock-outs. <i>Journal of Neuroscience</i> , 2008 , 28, 2970-5	6.6	128
266	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
265	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

264	Different cellular sources and different roles of adenosine: A1 receptor-mediated inhibition through astrocytic-driven volume transmission and synapse-restricted A2A receptor-mediated facilitation of plasticity. <i>Neurochemistry International</i> , 2008 , 52, 65-72	4.4	124
263	Subcellular localization of adenosine A(1) receptors in nerve terminals and synapses of the rat hippocampus. <i>Brain Research</i> , 2003 , 987, 49-58	3.7	124
262	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
261	Caffeine consumption attenuates neurochemical modifications in the hippocampus of streptozotocin-induced diabetic rats. <i>Journal of Neurochemistry</i> , 2009 , 111, 368-79	6	119
260	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
259	Ecto-5'-nucleotidase (CD73)-mediated formation of adenosine is critical for the striatal adenosine A2A receptor functions. <i>Journal of Neuroscience</i> , 2013 , 33, 11390-9	6.6	111
258	Depression as a Glial-Based Synaptic Dysfunction. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 521	6.1	111
257	Purinergic modulation of [(3)H]GABA release from rat hippocampal nerve terminals. <i>Neuropharmacology</i> , 2000 , 39, 1156-67	5.5	109
256	Adenosine A2A receptors modulate glutamate uptake in cultured astrocytes and gliosomes. <i>Glia</i> , 2012 , 60, 702-16	9	102
255	Adenosine receptor antagonists including caffeine alter fetal brain development in mice. <i>Science Translational Medicine</i> , 2013 , 5, 197ra104	17.5	102
254	Pharmacology of adenosine A2A receptors and therapeutic applications. <i>Current Topics in Medicinal Chemistry</i> , 2003 , 3, 413-26	3	102
253	Adenosine A1 and A2A receptors are co-expressed in pyramidal neurons and co-localized in glutamatergic nerve terminals of the rat hippocampus. <i>Neuroscience</i> , 2005 , 133, 79-83	3.9	99
252	Caffeine consumption prevents diabetes-induced memory impairment and synaptotoxicity in the hippocampus of NONcZNO10/LTJ mice. <i>PLoS ONE</i> , 2012 , 7, e21899	3.7	98
251	Decrease of adenosine A1 receptor density and of adenosine neuromodulation in the hippocampus of kindled rats. <i>European Journal of Neuroscience</i> , 2003 , 18, 820-8	3.5	98
250	Modification upon aging of the density of presynaptic modulation systems in the hippocampus. <i>Neurobiology of Aging</i> , 2009 , 30, 1877-84	5.6	97
249	Adenosine A2A receptors and metabotropic glutamate 5 receptors are co-localized and functionally interact in the hippocampus: a possible key mechanism in the modulation of N-methyl-D-aspartate effects. <i>Journal of Neurochemistry</i> , 2005 , 95, 1188-200	6	94
248	Caffeine consumption prevents memory impairment, neuronal damage, and adenosine A2A receptors upregulation in the hippocampus of a rat model of sporadic dementia. <i>Journal of Alzheimer's Disease</i> , 2013 , 34, 509-18	4.3	92
247	Caffeine and an adenosine A(2A) receptor antagonist prevent memory impairment and synaptotoxicity in adult rats triggered by a convulsive episode in early life. <i>Journal of Neurochemistry</i> , 2010 , 112, 453-62	6	91

246	Differential glutamate-dependent and glutamate-independent adenosine A1 receptor-mediated modulation of dopamine release in different striatal compartments. <i>Journal of Neurochemistry</i> , 2007 , 101, 355-63	6	89
245	Astrocytic adenosine A2A receptors control the amyloid- β -peptide-induced decrease of glutamate uptake. <i>Journal of Alzheimer's Disease</i> , 2012 , 31, 555-67	4.3	87
244	Deletion of adenosine A2A receptors from astrocytes disrupts glutamate homeostasis leading to psychomotor and cognitive impairment: relevance to schizophrenia. <i>Biological Psychiatry</i> , 2015 , 78, 763-74	7.0	86
243	Increased density and synapto-protective effect of adenosine A2A receptors upon sub-chronic restraint stress. <i>Neuroscience</i> , 2006 , 141, 1775-81	3.9	84
242	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
241	Caffeine, adenosine receptors, and synaptic plasticity. <i>Journal of Alzheimer's Disease</i> , 2010 , 20 Suppl 1, S25-34	4.3	80
240	Adenosine and adenine nucleotides are independently released from both the nerve terminals and the muscle fibres upon electrical stimulation of the innervated skeletal muscle of the frog. <i>Pflügers Archiv European Journal of Physiology</i> , 1993 , 424, 503-10	4.6	80
239	Antagonistic interaction between adenosine A2A receptors and Na ⁺ /K ⁺ -ATPase- α controlling glutamate uptake in astrocytes. <i>Journal of Neuroscience</i> , 2013 , 33, 18492-502	6.6	79
238	Regulation of the ecto-nucleotidase pathway in rat hippocampal nerve terminals. <i>Neurochemical Research</i> , 2001 , 26, 979-91	4.6	78
237	Adenosine A2A receptor blockade prevents memory dysfunction caused by beta-amyloid peptides but not by scopolamine or MK-801. <i>Experimental Neurology</i> , 2008 , 210, 776-81	5.7	77
236	Caffeine regulates frontocostriatal dopamine transporter density and improves attention and cognitive deficits in an animal model of attention deficit hyperactivity disorder. <i>European Neuropsychopharmacology</i> , 2013 , 23, 317-28	1.2	76
235	Key modulatory role of presynaptic adenosine A2A receptors in cortical neurotransmission to the striatal direct pathway. <i>Scientific World Journal, The</i> , 2009 , 9, 1321-44	2.2	76
234	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
233	The P2X7 receptor antagonist Brilliant Blue G attenuates contralateral rotations in a rat model of Parkinsonism through a combined control of synaptotoxicity, neurotoxicity and gliosis. <i>Neuropharmacology</i> , 2014 , 81, 142-52	5.5	74
232	Interaction of the novel anticonvulsant, BIA 2-093, with voltage-gated sodium channels: comparison with carbamazepine. <i>Epilepsia</i> , 2001 , 42, 600-8	6.4	74
231	Inactivation of adenosine A2A receptors reverses working memory deficits at early stages of Huntington's disease models. <i>Neurobiology of Disease</i> , 2015 , 79, 70-80	7.5	73
230	Behavioral phenotyping of Parkin-deficient mice: looking for early preclinical features of Parkinson's disease. <i>PLoS ONE</i> , 2014 , 9, e114216	3.7	73
229	Binding of the prototypical adenosine A(2A) receptor agonist CGS 21680 to the cerebral cortex of adenosine A(1) and A(2A) receptor knockout mice. <i>British Journal of Pharmacology</i> , 2004 , 141, 1006-14	8.6	73

228	Long-term effect of convulsive behavior on the density of adenosine A1 and A2A receptors in the rat cerebral cortex. <i>Epilepsia</i> , 2005 , 46 Suppl 5, 159-65	6.4	73
227	Optogenetic activation of intracellular adenosine A2A receptor signaling in the hippocampus is sufficient to trigger CREB phosphorylation and impair memory. <i>Molecular Psychiatry</i> , 2015 , 20, 1339-49	15.1	71
226	Adenosine receptor heteromers and their integrative role in striatal function. <i>Scientific World Journal, The</i> , 2007 , 7, 74-85	2.2	71
225	Heterodimeric adenosine receptors: a device to regulate neurotransmitter release. <i>Cellular and Molecular Life Sciences</i> , 2006 , 63, 2427-31	10.3	71
224	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
223	Age-related shift in LTD is dependent on neuronal adenosine A receptors interplay with mGluR5 and NMDA receptors. <i>Molecular Psychiatry</i> , 2020 , 25, 1876-1900	15.1	71
222	CB1 receptor antagonism increases hippocampal acetylcholine release: site and mechanism of action. <i>Molecular Pharmacology</i> , 2006 , 70, 1236-45	4.3	68
221	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
220	Spatial memory impairments in a prediabetic rat model. <i>Neuroscience</i> , 2013 , 250, 565-77	3.9	67
219	Caffeine and adenosine A(2A) receptor inactivation decrease striatal neuropathology in a lentiviral-based model of Machado-Joseph disease. <i>Annals of Neurology</i> , 2013 , 73, 655-66	9.4	66
218	Adenosine A2A receptors stimulate acetylcholine release from nerve terminals of the rat hippocampus. <i>Neuroscience Letters</i> , 1995 , 196, 41-4	3.3	66
217	Regulation of fear responses by striatal and extrastriatal adenosine A2A receptors in forebrain. <i>Biological Psychiatry</i> , 2014 , 75, 855-63	7.9	65
216	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
215	The belated US FDA approval of the adenosine A receptor antagonist istradefylline for treatment of Parkinson's disease. <i>Purinergic Signalling</i> , 2020 , 16, 167-174	3.8	64
214	Predominant loss of glutamatergic terminal markers in a β -amyloid peptide model of Alzheimer's disease. <i>Neuropharmacology</i> , 2014 , 76 Pt A, 51-6	5.5	64
213	Adenosine A3 receptors are located in neurons of the rat hippocampus. <i>NeuroReport</i> , 2003 , 14, 1645-8	1.7	64
212	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
211	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

210	Selective A2A receptor antagonist prevents microglia-mediated neuroinflammation and protects retinal ganglion cells from high intraocular pressure-induced transient ischemic injury. <i>Translational Research</i> , 2016 , 169, 112-28	11	60
209	Adenosine A2AR blockade prevents neuroinflammation-induced death of retinal ganglion cells caused by elevated pressure. <i>Journal of Neuroinflammation</i> , 2015 , 12, 115	10.1	59
208	Purinergic regulation of acetylcholine release. <i>Progress in Brain Research</i> , 1996 , 109, 231-41	2.9	57
207	Role of microglia adenosine A(2A) receptors in retinal and brain neurodegenerative diseases. <i>Mediators of Inflammation</i> , 2014 , 2014, 465694	4.3	56
206	Hypoxia-induced desensitization and internalization of adenosine A1 receptors in the rat hippocampus. <i>Neuroscience</i> , 2006 , 138, 1195-203	3.9	56
205	Purinergic modulation of the evoked release of [3H]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
204	Adenosine A(2A) receptors are necessary and sufficient to trigger memory impairment in adult mice. <i>British Journal of Pharmacology</i> , 2015 , 172, 3831-45	8.6	55
203	Overexpression of Adenosine A2A Receptors in Rats: Effects on Depression, Locomotion, and Anxiety. <i>Frontiers in Psychiatry</i> , 2014 , 5, 67	5	55
202	Extracellular metabolism of adenine nucleotides and adenosine in the innervated skeletal muscle of the frog. <i>European Journal of Pharmacology</i> , 1991 , 197, 83-92	5.3	55
201	Inhibition of [3H] 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
200	Adenosine A2A Receptors Modulate β Synuclein Aggregation and Toxicity. <i>Cerebral Cortex</i> , 2017 , 27, 718-730	5.1	53
199	Adenosine A _{2A} receptors in striatal glutamatergic terminals and GABAergic neurons oppositely modulate psychostimulant action and DARPP-32 phosphorylation. <i>PLoS ONE</i> , 2013 , 8, e80902	3.7	53
198	Modification of adenosine A1 and A2A receptor density in the hippocampus of streptozotocin-induced diabetic rats. <i>Neurochemistry International</i> , 2006 , 48, 144-50	4.4	52
197	Adenosine A receptor regulation of microglia morphological remodeling-gender bias in physiology and in a model of chronic anxiety. <i>Molecular Psychiatry</i> , 2017 , 22, 1035-1043	15.1	51
196	Cannabinoids inhibit the synaptic uptake of adenosine and dopamine in the rat and mouse striatum. <i>European Journal of Pharmacology</i> , 2011 , 655, 38-45	5.3	51
195	Pre-synaptic adenosine A2A receptors control cannabinoid CB1 receptor-mediated inhibition of striatal glutamatergic neurotransmission. <i>Journal of Neurochemistry</i> , 2011 , 116, 273-80	6	50
194	Localization and Trafficking of Amyloid- β Protein Precursor and Secretases: Impact on Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 329-47	4.3	49
193	Adenosine A Receptors in the Amygdala Control Synaptic Plasticity and Contextual Fear Memory. <i>Neuropsychopharmacology</i> , 2016 , 41, 2862-2871	8.7	49

192	Modification of adenosine modulation of acetylcholine release in the hippocampus of aged rats. <i>Neurobiology of Aging</i> , 2008 , 29, 1597-601	5.6	49
191	Pre-synaptic glycine GlyT1 transporter–NMDA receptor interaction: relevance to NMDA autoreceptor activation in the presence of Mg ²⁺ ions. <i>Journal of Neurochemistry</i> , 2011 , 117, 516-27	6	47
190	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
189	Facilitation by arachidonic acid of acetylcholine release from the rat hippocampus. <i>Brain Research</i> , 1999 , 826, 104-11	3.7	47
188	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
187	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
186	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
185	Caffeine triggers behavioral and neurochemical alterations in adolescent rats. <i>Neuroscience</i> , 2014 , 270, 27-39	3.9	44
184	Blockade of adenosine A2A receptors prevents interleukin-1 β induced exacerbation of neuronal toxicity through a p38 mitogen-activated protein kinase pathway. <i>Journal of Neuroinflammation</i> , 2012 , 9, 204	10.1	44
183	Blockade of adenosine A(2A) receptors prevents staurosporine-induced apoptosis of rat hippocampal neurons. <i>Neurobiology of Disease</i> , 2007 , 27, 182-9	7.5	43
182	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
181	Neuronal Adenosine A2A Receptors Are Critical Mediators of Neurodegeneration Triggered by Convulsions. <i>ENeuro</i> , 2018 , 5,	3.9	43
180	Adenosine A2A receptors facilitate ⁴⁵ Ca 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
179	Modification of purinergic signaling in the hippocampus of streptozotocin-induced diabetic rats. <i>Neuroscience</i> , 2007 , 149, 382-91	3.9	42
178	Kainate receptors coupled to G(i)/G(o) proteins in the rat hippocampus. <i>Molecular Pharmacology</i> , 1999 , 56, 429-33	4.3	42
177	Spermine improves recognition memory deficit in a rodent model of Huntington's disease. <i>Neurobiology of Learning and Memory</i> , 2009 , 92, 574-80	3.1	39
176	Adenosine promotes neuronal recovery from reactive oxygen species induced lesion in rat hippocampal slices. <i>Neuroscience Letters</i> , 2003 , 339, 127-30	3.3	39
175	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

174	Caffeine Reverts Memory But Not Mood Impairment in a Depression-Prone Mouse Strain with Up-Regulated Adenosine A Receptor in Hippocampal Glutamate Synapses. <i>Molecular Neurobiology</i> , 2017 , 54, 1552-1563	6.2	38
173	Presynaptic modulation controlling neuronal excitability and epileptogenesis: role of kainate, adenosine and neuropeptide Y receptors. <i>Neurochemical Research</i> , 2003 , 28, 1501-15	4.6	38
172	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
171	Blockade of adenosine A receptors recovers early deficits of memory and plasticity in the triple transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2018 , 117, 72-81	7.5	38
170	Different danger signals differently impact on microglial proliferation through alterations of ATP release and extracellular metabolism. <i>Glia</i> , 2015 , 63, 1636-45	9	37
169	Synaptic and memory dysfunction in a ß-amyloid model of early Alzheimer's disease depends on increased formation of ATP-derived extracellular adenosine. <i>Neurobiology of Disease</i> , 2019 , 132, 104570	7.5	37
168	Diabetes differentially affects the content of exocytotic proteins in hippocampal and retinal nerve terminals. <i>Neuroscience</i> , 2010 , 169, 1589-600	3.9	37
167	Different roles of adenosine A1, A2A and A3 receptors in controlling kainate-induced toxicity in cortical cultured neurons. <i>Neurochemistry International</i> , 2005 , 47, 317-25	4.4	37
166	Role of adenosine in the control of homosynaptic plasticity in striatal excitatory synapses. <i>Journal of Integrative Neuroscience</i> , 2005 , 4, 445-64	1.5	37
165	Treatment with A receptor antagonist KW6002 and caffeine intake regulate microglia reactivity and protect retina against transient ischemic damage. <i>Cell Death and Disease</i> , 2017 , 8, e3065	9.8	36
164	Lack of evidence for functional TRPV1 vanilloid receptors in rat hippocampal nerve terminals. <i>Neuroscience Letters</i> , 2006 , 403, 151-6	3.3	35
163	ATP is released from nerve terminals and from activated muscle fibres on stimulation of the rat phrenic nerve. <i>Neuroscience Letters</i> , 2003 , 338, 225-8	3.3	35
162	Adenosine A2b receptors control A1 receptor-mediated inhibition of synaptic transmission in the mouse hippocampus. <i>European Journal of Neuroscience</i> , 2015 , 41, 878-88	3.5	34
161	Hyperactivation of D1 and A2A receptors contributes to cognitive dysfunction in Huntington's disease. <i>Neurobiology of Disease</i> , 2015 , 74, 41-57	7.5	34
160	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
159	The physiological effects of caffeine on synaptic transmission and plasticity in the mouse hippocampus selectively depend on adenosine A and A receptors. <i>Biochemical Pharmacology</i> , 2019 , 166, 313-321	6	33
158	Anandamide and NADA bi-directionally modulate presynaptic Ca ²⁺ levels and transmitter release in the hippocampus. <i>British Journal of Pharmacology</i> , 2007 , 151, 551-63	8.6	33
157	Central Ghrelin Resistance Permits the Overconsolidation of Fear Memory. <i>Biological Psychiatry</i> , 2017 , 81, 1003-1013	7.9	32

156	Acyl ghrelin improves cognition, synaptic plasticity deficits and neuroinflammation following amyloid (A β -40) administration in mice. <i>Journal of Neuroendocrinology</i> , 2017 , 29,	3.8	32
155	Prolonged nicotine exposure down-regulates presynaptic NMDA receptors in dopaminergic terminals of the rat nucleus accumbens. <i>Neuropharmacology</i> , 2014 , 79, 488-97	5.5	32
154	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
153	A single neurotoxic dose of methamphetamine induces a long-lasting depressive-like behaviour in mice. <i>Neurotoxicity Research</i> , 2014 , 25, 295-304	4.3	31
152	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
151	The role of parkinson's disease-associated receptor GPR37 in the hippocampus: functional interplay with the adenosinergic system. <i>Journal of Neurochemistry</i> , 2015 , 134, 135-46	6	30
150	Exercise attenuates levodopa-induced dyskinesia in 6-hydroxydopamine-lesioned mice. <i>Neuroscience</i> , 2013 , 243, 46-53	3.9	30
149	Antimicrobial peptide-gold nanoscale therapeutic formulation with high skin regenerative potential. <i>Journal of Controlled Release</i> , 2017 , 262, 58-71	11.7	30
148	Transducing system operated by adenosine A(2A) receptors to facilitate acetylcholine release in the rat hippocampus. <i>European Journal of Pharmacology</i> , 2002 , 454, 31-8	5.3	30
147	Glutamate-induced and NMDA receptor-mediated neurodegeneration entails P2Y1 receptor activation. <i>Cell Death and Disease</i> , 2018 , 9, 297	9.8	29
146	Increase of cannabinoid CB1 receptor density in the hippocampus of streptozotocin-induced diabetic rats. <i>Experimental Neurology</i> , 2007 , 204, 479-84	5.7	29
145	Presynaptic adenosine A2A receptors dampen cannabinoid CB1 receptor-mediated inhibition of corticostriatal glutamatergic transmission. <i>British Journal of Pharmacology</i> , 2015 , 172, 1074-86	8.6	28
144	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
143	Electrophysiological and immunocytochemical evidence for P2X purinergic receptors in pancreatic beta cells. <i>Pancreas</i> , 2008 , 36, 279-83	2.6	28
142	Stimulation of brain glucose uptake by cannabinoid CB2 receptors and its therapeutic potential in Alzheimer's disease. <i>Neuropharmacology</i> , 2016 , 110, 519-529	5.5	27
141	The adenosine neuromodulation system in schizophrenia. <i>International Review of Neurobiology</i> , 2014 , 119, 395-449	4.4	27
140	Nicotinic α 7 receptor activation selectively potentiates the function of NMDA receptors in glutamatergic terminals of the nucleus accumbens. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 332	6.1	27
139	Solubilization and immunological identification of presynaptic alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors in the rat hippocampus. <i>Neuroscience Letters</i> , 2003 , 336, 97-100	3.3	27

138	Control of glutamate release by complexes of adenosine and cannabinoid receptors. <i>BMC Biology</i> , 2020 , 18, 9	7.3	26
137	GABA release by basket cells onto Purkinje cells, in rat cerebellar slices, is directly controlled by presynaptic purinergic receptors, modulating Ca ²⁺ influx. <i>Cell Calcium</i> , 2008 , 44, 521-32	4	26
136	ATP P2Y1 receptors control cognitive deficits and neurotoxicity but not glial modifications induced by brain ischemia in mice. <i>European Journal of Neuroscience</i> , 2014 , 39, 614-22	3.5	25
135	Therapeutic opportunities for caffeine in Alzheimer's disease and other neurodegenerative disorders. <i>Journal of Alzheimer's Disease</i> , 2010 , 20 Suppl 1, S1-2	4.3	25
134	Trkb receptors modulation of glutamate release is limited to a subset of nerve terminals in the adult rat hippocampus. <i>Journal of Neuroscience Research</i> , 2006 , 83, 832-44	4.4	25
133	Different metabolism of glutamatergic and GABAergic compartments in superfused hippocampal slices characterized by nuclear magnetic resonance spectroscopy. <i>Neuroscience</i> , 2007 , 144, 1305-13	3.9	24
132	Binding of adenosine receptor ligands to brain of adenosine receptor knock-out mice: evidence that CGS 21680 binds to A1 receptors in hippocampus. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004 , 370, 270-8	3.4	24
131	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
130	Enhanced ATP release and CD73-mediated adenosine formation sustain adenosine A receptor over-activation in a rat model of Parkinson's disease. <i>British Journal of Pharmacology</i> , 2019 , 176, 3666-3680	8.6	23
129	Functional interaction between pre-synaptic $\beta 2$ -containing nicotinic and adenosine A2A receptors in the control of dopamine release in the rat striatum. <i>British Journal of Pharmacology</i> , 2013 , 169, 1600-11	8.6	23
128	Ketone bodies effectively compete with glucose for neuronal acetyl-CoA generation in rat hippocampal slices. <i>NMR in Biomedicine</i> , 2015 , 28, 1111-6	4.4	23
127	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
126	Oncostatin M promotes excitotoxicity by inhibiting glutamate uptake in astrocytes: implications in HIV-associated neurotoxicity. <i>Journal of Neuroinflammation</i> , 2016 , 13, 144	10.1	23
125	The exercise sex gap and the impact of the estrous cycle on exercise performance in mice. <i>Scientific Reports</i> , 2018 , 8, 10742	4.9	22
124	Clinically relevant concentrations of ketamine mainly affect long-term potentiation rather than basal excitatory synaptic transmission and do not change paired-pulse facilitation in mouse hippocampal slices. <i>Brain Research</i> , 2014 , 1560, 10-7	3.7	22
123	The Parkinson's disease-associated GPR37 receptor interacts with striatal adenosine A receptor controlling its cell surface expression and function in vivo. <i>Scientific Reports</i> , 2017 , 7, 9452	4.9	22
122	Short-term plasticity of kainate receptor-mediated EPSCs induced by NMDA receptors at hippocampal mossy fiber synapses. <i>Journal of Neuroscience</i> , 2007 , 27, 3987-93	6.6	22
121	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

120	Does Caffeine Consumption Modify Cerebrospinal Fluid Amyloid- β Levels in Patients with Alzheimer's Disease?. <i>Journal of Alzheimer's Disease</i> , 2015 , 47, 1069-78	4.3	21
119	CB β Receptor activation inhibits neuronal and astrocytic intermediary metabolism in the rat hippocampus. <i>Neurochemistry International</i> , 2012 , 60, 1-8	4.4	21
118	Adenosine modulation of D-[3H]aspartate release in cultured retina cells exposed to oxidative stress. <i>Neurochemistry International</i> , 2000 , 36, 255-65	4.4	21
117	Temporal Dissociation of Striatum and Prefrontal Cortex Uncouples Anhedonia and Defense Behaviors Relevant to Depression in 6-OHDA-Lesioned Rats. <i>Molecular Neurobiology</i> , 2016 , 53, 3891-3899	6.2	20
116	Adenosine A2B receptor activation stimulates glucose uptake in the mouse forebrain. <i>Purinergic Signalling</i> , 2015 , 11, 561-9	3.8	20
115	Decreased synaptic plasticity in the medial prefrontal cortex underlies short-term memory deficits in 6-OHDA-lesioned rats. <i>Behavioural Brain Research</i> , 2016 , 301, 43-54	3.4	20
114	Purinergic signaling orchestrating neuron-glia communication. <i>Pharmacological Research</i> , 2020 , 162, 105253	10.2	20
113	Repeated cycles of binge-like ethanol exposure induce immediate and delayed neurobehavioral changes and hippocampal dysfunction in adolescent female rats. <i>Behavioural Brain Research</i> , 2018 , 350, 99-108	3.4	19
112	Purinergic signalling and brain development. <i>Seminars in Cell and Developmental Biology</i> , 2019 , 95, 34-41	7.5	19
111	Region-specific control of microglia by adenosine A receptors: uncoupling anxiety and associated cognitive deficits in female rats. <i>Glia</i> , 2019 , 67, 182-192	9	19
110	Microglia-derived purines modulate mossy fibre synaptic transmission and plasticity through P2X4 and A1 receptors. <i>European Journal of Neuroscience</i> , 2016 , 43, 1366-78	3.5	18
109	High sucrose consumption induces memory impairment in rats associated with electrophysiological modifications but not with metabolic changes in the hippocampus. <i>Neuroscience</i> , 2016 , 315, 196-205	3.9	18
108	The Association of Amyloid- β Protein Precursor With β and γ Secretases in Mouse Cerebral Cortex Synapses Is Altered in Early Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016 , 53, 5710-21	6.2	18
107	Activation of microglia bolsters synapse formation. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 153	6.1	18
106	Adenine nucleotides as inhibitors of synaptic transmission: role of localised ectonucleotidases. <i>Progress in Brain Research</i> , 1999 , 120, 183-92	2.9	18
105	Impact of Caffeine Consumption on Type 2 Diabetes-Induced Spatial Memory Impairment and Neurochemical Alterations in the Hippocampus. <i>Frontiers in Neuroscience</i> , 2018 , 12, 1015	5.1	18
104	Guanosine Attenuates Behavioral Deficits After Traumatic Brain Injury by Modulation of Adenosinergic Receptors. <i>Molecular Neurobiology</i> , 2019 , 56, 3145-3158	6.2	17
103	Anandamide Effects in a Streptozotocin-Induced Alzheimer's Disease-Like Sporadic Dementia in Rats. <i>Frontiers in Neuroscience</i> , 2018 , 12, 653	5.1	17

102	Role of Adenosine in Epilepsy and Seizures. <i>Journal of Caffeine and Adenosine Research</i> , 2020 , 10, 45-60	1.6	16
101	Adenosine A Receptors Control Glutamatergic Synaptic Plasticity in Fast Spiking Interneurons of the Prefrontal Cortex. <i>Frontiers in Pharmacology</i> , 2018 , 9, 133	5.6	16
100	N-acyldopamines control striatal input terminals via novel ligand-gated cation channels. <i>Neuropharmacology</i> , 2009 , 56, 676-83	5.5	16
99	Caffeine alleviates progressive motor deficits in a transgenic mouse model of spinocerebellar ataxia. <i>Annals of Neurology</i> , 2017 , 81, 407-418	9.4	15
98	Adenosine A ₁ receptors control the metabolic recovery after hypoxia in rat hippocampal slices. <i>Journal of Neurochemistry</i> , 2016 , 136, 947-57	6	15
97	Effect of free radicals on adenosine A(2A) and dopamine D2 receptors in the striatum of young adult and aged rats. <i>Neurochemistry International</i> , 2004 , 45, 733-8	4.4	15
96	Caffeine exposure during rat brain development causes memory impairment in a sex selective manner that is offset by caffeine consumption throughout life. <i>Behavioural Brain Research</i> , 2016 , 303, 76-84	3.4	14
95	Treadmill Exercise Attenuates L-DOPA-Induced Dyskinesia and Increases Striatal Levels of Glial Cell-Derived Neurotrophic Factor (GDNF) in Hemiparkinsonian Mice. <i>Molecular Neurobiology</i> , 2019 , 56, 2944-2951	6.2	14
94	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
93	Chronic coffee consumption and respiratory disease: A systematic review. <i>Clinical Respiratory Journal</i> , 2018 , 12, 1283-1294	1.7	13
92	Subsynaptic localization of nicotinic acetylcholine receptor subunits: a comparative study in the mouse and rat striatum. <i>Neuroscience Letters</i> , 2014 , 566, 106-10	3.3	13
91	Synaptic and sub-synaptic localization of amyloid- β protein precursor in the rat hippocampus. <i>Journal of Alzheimer's Disease</i> , 2014 , 40, 981-92	4.3	13
90	Interaction between P2X and nicotinic acetylcholine receptors in glutamate nerve terminals of the rat hippocampus. <i>Journal of Molecular Neuroscience</i> , 2006 , 30, 173-6	3.3	13
89	Caffeine and cannabinoid receptors modulate impulsive behavior in an animal model of attentional deficit and hyperactivity disorder. <i>European Journal of Neuroscience</i> , 2019 , 49, 1673-1683	3.5	12
88	Caffeine Controls Glutamatergic Synaptic Transmission and Pyramidal Neuron Excitability in Human Neocortex. <i>Frontiers in Pharmacology</i> , 2017 , 8, 899	5.6	12
87	Cellular prion protein is present in dopaminergic neurons and modulates the dopaminergic system. <i>European Journal of Neuroscience</i> , 2014 , 40, 2479-86	3.5	12
86	Adenosine A ₃ receptors in the rat hippocampus: Lack of interaction with A ₁ receptors. <i>Drug Development Research</i> , 2003 , 58, 428-438	5.1	12
85	Tonic adenosine neuromodulation is preserved in motor nerve endings of aged rats. <i>Neurochemistry International</i> , 2000 , 36, 563-6	4.4	12

84	Adenosine A receptors are up-regulated and control the activation of human alveolar macrophages. <i>Pulmonary Pharmacology and Therapeutics</i> , 2017 , 45, 90-94	3.5	11
83	Mitochondria in Excitatory and Inhibitory Synapses have Similar Susceptibility to Amyloid- β Peptides Modeling Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 60, 525-536	4.3	11
82	Presynaptic P2X1-3 and β -containing nicotinic receptors assemble into functionally interacting ion channels in the rat hippocampus. <i>Neuropharmacology</i> , 2016 , 105, 241-257	5.5	11
81	Adenosine A2A receptors regulate the extracellular accumulation of excitatory amino acids upon metabolic dysfunction in chick cultured retinal cells. <i>Experimental Eye Research</i> , 2000 , 70, 577-87	3.7	11
80	Neuronal adenosine A receptors signal ergogenic effects of caffeine. <i>Scientific Reports</i> , 2020 , 10, 13414	4.9	11
79	Adenosine A receptors modulate the dopamine D receptor-mediated inhibition of synaptic transmission in the mouse prefrontal cortex. <i>European Journal of Neuroscience</i> , 2018 , 47, 1127-1134	3.5	10
78	Elevated Pressure Changes the Purinergic System of Microglial Cells. <i>Frontiers in Pharmacology</i> , 2018 , 9, 16	5.6	10
77	Microglia cytoarchitecture in the brain of adenosine A receptor knockout mice: Brain region and sex specificities. <i>European Journal of Neuroscience</i> , 2020 , 51, 1377-1387	3.5	10
76	Lack of presynaptic interaction between glucocorticoid and CB1 cannabinoid receptors in GABA- and glutamatergic terminals in the frontal cortex of laboratory rodents. <i>Neurochemistry International</i> , 2015 , 90, 72-84	4.4	9
75	Distinct sensitivity to caffeine-induced insomnia related to age. <i>Journal of Psychopharmacology</i> , 2018 , 32, 89-95	4.6	9
74	Adenosine A and A receptors differently control synaptic plasticity in the mouse dorsal and ventral hippocampus. <i>Journal of Neurochemistry</i> , 2019 , 151, 227-237	6	9
73	Adenosine receptors: regulatory players in the preservation of mitochondrial function induced by ischemic preconditioning of rat liver. <i>Purinergic Signalling</i> , 2017 , 13, 179-190	3.8	9
72	Methamphetamine Induces Anhedonic-Like Behavior and Impairs Frontal Cortical Energetics in Mice. <i>CNS Neuroscience and Therapeutics</i> , 2017 , 23, 119-126	6.8	9
71	Diadenosine polyphosphates facilitate the evoked release of acetylcholine from rat hippocampal nerve terminals. <i>Brain Research</i> , 2000 , 879, 50-4	3.7	9
70	Facilitation of GABA release by arachidonic acid in rat hippocampal synaptosomes. <i>European Journal of Neuroscience</i> , 1999 , 11, 2171-4	3.5	9
69	Role of The Purinergic Neuromodulation System in Epilepsy. <i>The Open Neuroscience Journal</i> , 2010 , 4, 64-83		9
68	Hierarchical glucocorticoid-endocannabinoid interplay regulates the activation of the nucleus accumbens by insulin. <i>Brain Research Bulletin</i> , 2016 , 124, 222-30	3.9	9
67	Validation of an LC-MS/MS Method for the Quantification of Caffeine and Theobromine Using Non-Matched Matrix Calibration Curve. <i>Molecules</i> , 2019 , 24,	4.8	8

66	Presynaptic kainate receptors modulating glutamatergic transmission in the rat hippocampus are inhibited by arachidonic acid. <i>Neurochemistry International</i> , 2004 , 44, 371-9	4.4	8
65	Adenosine receptor interactions in the hippocampus. <i>Drug Development Research</i> , 2001 , 52, 337-345	5.1	8
64	Adenosine A receptors format long-term depression and memory strategies in a mouse model of Angelman syndrome. <i>Neurobiology of Disease</i> , 2020 , 146, 105137	7.5	8
63	ATP Signaling Controlling Dyskinesia Through P2X7 Receptors. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 111	6.1	8
62	Crosstalk Between ATP-P and Adenosine A Receptors Controlling Neuroinflammation in Rats Subject to Repeated Restraint Stress. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 639322	6.1	8
61	Signaling by adenosine receptors-Homeostatic or allostatic control?. <i>PLoS Biology</i> , 2019 , 17, e3000213	9.7	7
60	On slices, synaptosomes and dissociated neurones to study in vitro ageing physiology. <i>Trends in Neurosciences</i> , 1998 , 21, 286; author reply 287	13.3	7
59	Neuromodulation and neuroprotective effects of chlorogenic acids in excitatory synapses of mouse hippocampal slices. <i>Scientific Reports</i> , 2021 , 11, 10488	4.9	7
58	International Union of Basic and Clinical Pharmacology. CXII: Adenosine Receptors: A Further Update.. <i>Pharmacological Reviews</i> , 2022 , 74, 340-372	22.5	7
57	Parkinson's disease-associated GPR37 receptor regulates cocaine-mediated synaptic depression in corticostriatal synapses. <i>Neuroscience Letters</i> , 2017 , 638, 162-166	3.3	6
56	Age-Related Changes in the Synaptic Density of Amyloid- β Protein Precursor and Secretases in the Human Cerebral Cortex. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 1209-14	4.3	6
55	Adenosine A Receptors in the Rat Prelimbic Medial Prefrontal Cortex Control Delay-Based Cost-Benefit Decision Making. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 475	6.1	6
54	Promises of Caffeine in Attention-Deficit/Hyperactivity Disorder: From Animal Models to Clinical Practice. <i>Journal of Caffeine and Adenosine Research</i> , 2018 , 8, 131-142	1.6	6
53	Caffeine Consumption plus Physical Exercise Improves Behavioral Impairments and Stimulates Neuroplasticity in Spontaneously Hypertensive Rats (SHR): an Animal Model of Attention Deficit Hyperactivity Disorder. <i>Molecular Neurobiology</i> , 2020 , 57, 3902-3919	6.2	5
52	Blunted dynamics of adenosine A2A receptors is associated with increased susceptibility to <i>Candida albicans</i> infection in the elderly. <i>Oncotarget</i> , 2016 , 7, 62862-62872	3.3	5
51	Convergence of adenosine and GABA signaling for synapse stabilization during development. <i>Science</i> , 2021 , 374, eabk2055	33.3	5
50	Astrocytes and Adenosine A Receptors: Active Players in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021 , 15, 666710	5.1	5
49	Chronic adenosine A receptor blockade induces locomotor sensitization and potentiates striatal LTD IN GPR37-deficient mice. <i>Journal of Neurochemistry</i> , 2019 , 148, 796-809	6	5

48	Control of NMDA Receptor-Mediated Currents by Adenosine A1 and A2A Receptors Within the Basolateral Amygdala. <i>Journal of Caffeine and Adenosine Research</i> , 2020 , 10, 61-70	1.6	4
47	Cellular prion protein (PrP(C)) modulates ethanol-induced behavioral adaptive changes in mice. <i>Behavioural Brain Research</i> , 2014 , 271, 325-32	3.4	4
46	Hippocampal long-term potentiation in adult mice after recovery from ketamine anesthesia. <i>Lab Animal</i> , 2014 , 43, 353-7	0.4	4
45	Purinoceptors and synaptic plasticity. <i>Drug Development Research</i> , 1996 , 39, 353-360	5.1	4
44	Adenosine A2A Receptors Contribute to the Radial Migration of Cortical Projection Neurons through the Regulation of Neuronal Polarization and Axon Formation. <i>Cerebral Cortex</i> , 2021 , 31, 5652-5663	5.1	4
43	Motor Deficits Coupled to Cerebellar and Striatal Alterations in Ube3a Mice Modelling Angelman Syndrome Are Attenuated by Adenosine A Receptor Blockade. <i>Molecular Neurobiology</i> , 2021 , 58, 2543-2557	6.2	4
42	Opposite Modulation of Peripheral Inflammation and Neuroinflammation by Adenosine A2A Receptors 2007 , 53-79		4
41	The Coffee-Acrylamide Apparent Paradox: An Example of Why the Health Impact of a Specific Compound in a Complex Mixture Should Not Be Evaluated in Isolation. <i>Nutrients</i> , 2020 , 12,	6.7	3
40	Characterization of extracellular nucleotide metabolism in <i>Candida albicans</i> . <i>FEMS Microbiology Letters</i> , 2016 , 363, fnv212	2.9	3
39	Adenosine Receptors in Alzheimer's Disease 2018 , 259-280		3
38	Overactivity of neuronal adenosine A2A receptors accelerates neurodegeneration. <i>Brain</i> , 2019 , 142, 3323-3324	11.2	3
37	The Effects of Different Concentrations of the α -Adrenoceptor Agonist Medetomidine on Basal Excitatory Synaptic Transmission and Synaptic Plasticity in Hippocampal Slices of Adult Mice. <i>Anesthesia and Analgesia</i> , 2015 , 120, 1130-1137	3.9	3
36	A Preliminary Study on the Effect of Caffeine Consumption on the Evolution of Sarcoidosis. <i>Journal of Caffeine Research</i> , 2011 , 1, 206-212		3
35	Extracellular metabolism and function of purines in immunoisolated cholinergic nerve terminals. <i>Neurochemistry International</i> , 1992 , 21, Q10	4.4	3
34	ECTO-ATPase activity in cholinergic nerve terminals of the hippocampus and of the cerebral cortex of the rat. <i>Neurochemistry International</i> , 1992 , 21, A12	4.4	3
33	Subsynaptic Membrane Fractionation. <i>Neuromethods</i> , 2016 , 31-37	0.4	3
32	Clustering of adenosine A receptors with ectonucleotidases in caveolin-rich lipid rafts underlies immunomodulation by <i>Leishmania amazonensis</i> . <i>FASEB Journal</i> , 2021 , 35, e21509	0.9	3
31	Use of knockout mice to explore CNS effects of adenosine. <i>Biochemical Pharmacology</i> , 2021 , 187, 114366		3

30	Association Between Adenosine A Receptors and Connexin 43 Regulates Hemichannels Activity and ATP Release in Astrocytes Exposed to Amyloid- β Peptides. <i>Molecular Neurobiology</i> , 2021 , 58, 6232-6248	6.3	3
29	Caffeine consumption and exacerbations of chronic obstructive pulmonary disease: retrospective study. <i>Revista Portuguesa De Pneumologia</i> , 2015 , 21, 271-5		2
28	Caffeine Consumption in Patients with Obstructive Sleep Apnea: Retrospective Study. <i>Journal of Caffeine Research</i> , 2014 , 4, 9-11		2
27	G protein-coupled receptor 37 (GPR37) emerges as an important modulator of adenosinergic transmission in the striatum. <i>Neural Regeneration Research</i> , 2019 , 14, 1912-1914	4.5	2
26	Neuroprotective effects of melatonin against neurotoxicity induced by intranasal sodium dimethyldithiocarbamate administration in mice. <i>NeuroToxicology</i> , 2020 , 80, 144-154	4.4	2
25	Adenosine A Receptors as Biomarkers of Brain Diseases. <i>Frontiers in Neuroscience</i> , 2021 , 15, 702581	5.1	2
24	Transient gain of function of cannabinoid CB receptors in the control of frontocortical glucose consumption in a rat model of Type-1 diabetes. <i>Brain Research Bulletin</i> , 2020 , 161, 106-115	3.9	1
23	Metabotropic glutamate type 5 receptor requires contactin-associated protein 1 to control memory formation. <i>Human Molecular Genetics</i> , 2018 , 27, 3528-3541	5.6	1
22	Brain Membrane Fractionation: An Ex Vivo Approach to Assess Subsynaptic Protein Localization. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	1
21	M16 D1R and A2AR Blockade Normalises PKA Activity and Improves Hippocampal-dependent Cognitive Dysfunction but not Motor Deficits in Huntington's Disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014 , 85, A99-A100	5.5	1
20	Neuronal adenosine A2A receptors signal ergogenic effects of caffeine		1
19	Role of Neuropeptide S on Behavioural and Neurochemical Changes of an Animal Model of Attention-Deficit/Hyperactivity Disorder. <i>Neuroscience</i> , 2020 , 448, 140-148	3.9	1
18	Prolonged caffeine intake decreases alveolar bone damage induced by binge-like ethanol consumption in adolescent female rats. <i>Biomedicine and Pharmacotherapy</i> , 2020 , 130, 110608	7.5	1
17	Deletion of CD73 increases exercise power in mice. <i>Purinergic Signalling</i> , 2021 , 17, 393-397	3.8	1
16	Binge-Like Exposure During Adolescence Induces Detrimental Effects in Alveolar Bone that Persist in Adulthood. <i>Alcoholism: Clinical and Experimental Research</i> , 2021 , 45, 56-63	3.7	1
15	Extracellular Nucleotide Metabolism Promotes Neutrophils Extracellular Traps Escape. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 678568	5.9	1
14	Increased ATP release and CD73-mediated adenosine A receptor activation mediate convulsion-associated neuronal damage and hippocampal dysfunction. <i>Neurobiology of Disease</i> , 2021 , 157, 105441	7.5	1
13	l-Homoadipate causes astrocyte pathology with negative impact on mouse hippocampal synaptic plasticity and memory. <i>FASEB Journal</i> , 2021 , 35, e21726	0.9	0

12	Simultaneous Alteration of the Circadian Variation of Memory, Hippocampal Synaptic Plasticity, and Metabolism in a Triple Transgenic Mouse Model of Alzheimer's Disease.. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 835885	5.3	o
11	Adenosine A receptors blockade attenuates dexamethasone-induced alterations in cultured astrocytes.. <i>Purinergic Signalling</i> , 2022 , 18, 199-204	3.8	o
10	Astrocytic A2A receptors: Novel targets to manage brain disorders:. <i>Porto Biomedical Journal</i> , 2017 , 2, 178-179	1.1	
9	Heteroexchange of purines in the hippocampus: mixing-up or messing-up ATP and adenosine. <i>British Journal of Pharmacology</i> , 2003 , 139, 473-4	8.6	
8	Bringing the brain into the test tube: an experiment illustrating the effect of ethanol on nerve terminal viability. <i>Biochemistry and Molecular Biology Education</i> , 2001 , 29, 105-109	1.3	
7	Bringing the brain into the test tube: an experiment illustrating the effect of ethanol on nerve terminal viability. <i>Biochemistry and Molecular Biology Education</i> , 2001 , 29, 105-109	1.3	
6	Inhibition and excitation by adenosine in the rat hippocampus. <i>Journal of Physiology (Paris)</i> , 1994 , 88, 410		
5	Role of A2a Receptors in the Hippocampus and Motor Nerve Endings 1995 , 251-261		
4	Role of Adenosine A2A Receptors in the Control of NeuroinflammationRelevance for Parkinson's Disease. <i>Current Topics in Neurotoxicity</i> , 2015 , 81-99		
3	Adenosine A2A Receptor-Mediated Control of Non-Motor Functions in Parkinson's Disease. <i>Current Topics in Neurotoxicity</i> , 2015 , 183-205		
2	Exercise decreases aberrant corticostriatal plasticity in an animal model of l-DOPA-induced dyskinesia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R541-R546	3.2	
1	Subsynaptic Membrane Fractionation. <i>Neuromethods</i> , 2021 , 31-38	0.4	