

How does adenosine control neuronal dysfunction and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Caffeine alters glutamateâ€“aspartate transporter function and expression in rat retina. <i>Neuroscience</i> , 2016, 337, 285-294.	1.1	11
2	7th<scp>ISN</scp> special neurochemistry conference â€“Synaptic function and dysfunction in brain diseasesâ€™. <i>Journal of Neurochemistry</i> , 2016, 139, 918-920.	2.1	1
3	Pathological overproduction: the bad side of adenosine. <i>British Journal of Pharmacology</i> , 2017, 174, 1945-1960.	2.7	94
4	Adenosine A2A receptor inactivation alleviates early-onset cognitive dysfunction after traumatic brain injury involving an inhibition of tau hyperphosphorylation. <i>Translational Psychiatry</i> , 2017, 7, e1123-e1123.	2.4	41
5	P2 purinergic receptor antagonists disrupt maternal behavior in lactating rats. <i>Pharmacology Biochemistry and Behavior</i> , 2017, 158, 1-6.	1.3	0
6	Adenosine production by brain cells. <i>Journal of Neurochemistry</i> , 2017, 141, 676-693.	2.1	23
7	Dissecting neurovascular coupling mechanisms: a role for adenosine A_{2A} receptor. <i>Journal of Neurochemistry</i> , 2017, 140, 10-12.	2.1	3
8	Caffeine alleviates progressive motor deficits in a transgenic mouse model of spinocerebellar ataxia. <i>Annals of Neurology</i> , 2017, 81, 407-418.	2.8	19
9	Abnormal striatal plasticity in a DYT11/SGCE myoclonus dystonia mouse model is reversed by adenosine A2A receptor inhibition. <i>Neurobiology of Disease</i> , 2017, 108, 128-139.	2.1	34
10	Disruption of the <scp>ATP</scp>/adenosine balance in <scp>CD</scp>39^{âˆ™/âˆ™} mice is associated with handlingâ€“induced seizures. <i>Immunology</i> , 2017, 152, 589-601.	2.0	25
11	Biochemical and Pharmacological Role of A1 Adenosine Receptors and Their Modulation as Novel Therapeutic Strategy. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1051, 193-232.	0.8	40
12	Caffeine inhibits hypothalamic A1R to excite oxytocin neuron and ameliorate dietary obesity in mice. <i>Nature Communications</i> , 2017, 8, 15904.	5.8	55
13	Purinergic Signalling: Therapeutic Developments. <i>Frontiers in Pharmacology</i> , 2017, 8, 661.	1.6	302
14	Adenosine A2A Receptor Modulates the Activity of Globus Pallidus Neurons in Rats. <i>Frontiers in Physiology</i> , 2017, 8, 897.	1.3	10
15	Having a Coffee Break: The Impact of Caffeine Consumption on Microglia-Mediated Inflammation in Neurodegenerative Diseases. <i>Mediators of Inflammation</i> , 2017, 2017, 1-12.	1.4	57
16	Determination of the Effects of Sevoflurane Anesthesia in Different Maturing Stages of the Mouse Hippocampus by Transcriptome Analysis. <i>Journal of Aging Science</i> , 2017, 08, .	0.5	0
17	Interindividual Differences in Caffeine Metabolism and Factors Driving Caffeine Consumption. <i>Pharmacological Reviews</i> , 2018, 70, 384-411.	7.1	324
18	Cell-subtype-specific changes in adenosine pathways in schizophrenia. <i>Neuropsychopharmacology</i> , 2018, 43, 1667-1674.	2.8	32

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19	Adenosine Augmentation Evoked by an ENT1 Inhibitor Improves Memory Impairment and Neuronal Plasticity in the APP/PS1 Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2018, 55, 8936-8952.	1.9	46
20	Blockade of microglial adenosine A2A receptor impacts inflammatory mechanisms, reduces ARPE-19 cell dysfunction and prevents photoreceptor loss in vitro. <i>Scientific Reports</i> , 2018, 8, 2272.	1.6	44
21	Purine-related metabolites and their converting enzymes are altered in frontal, parietal and temporal cortex at early stages of Alzheimer's disease pathology. <i>Brain Pathology</i> , 2018, 28, 933-946.	2.1	59
22	Adenosine has two faces: Regionally dichotomous adenosine tone in a model of epilepsy with comorbid sleep disorders. <i>Neurobiology of Disease</i> , 2018, 114, 45-52.	2.1	9
23	Astrocytes and presynaptic plasticity in the striatum: Evidence and unanswered questions. <i>Brain Research Bulletin</i> , 2018, 136, 17-25.	1.4	12
24	Purinergic system in psychiatric diseases. <i>Molecular Psychiatry</i> , 2018, 23, 94-106.	4.1	101
25	Increased Binding Potential of Brain Adenosine A ₁ Receptor in Chronic Stages of Patients with Diffuse Axonal Injury Measured with [1-methyl- ¹¹ C] 8-dicyclopropylmethyl-1-methyl-3-propylxanthine Positron Emission Tomography Imaging. <i>Journal of Neurotrauma</i> , 2018, 35, 25-31.	1.7	9
26	Adenosine A _{2A} receptors are required for glutamate mGluR5 and dopamine D1 receptor-evoked ERK1/2 phosphorylation in rat hippocampus: involvement of NMDA receptor. <i>Journal of Neurochemistry</i> , 2018, 145, 217-231.	2.1	15
27	Evidence for cross-hemispheric preconditioning in experimental Parkinson's disease. <i>Brain Structure and Function</i> , 2018, 223, 1255-1273.	1.2	11
28	The Corticostriatal Adenosine A2A Receptor Controls Maintenance and Retrieval of Spatial Working Memory. <i>Biological Psychiatry</i> , 2018, 83, 530-541.	0.7	42
29	Persistent increase in ecto-5'-nucleotidase activity from encephala of adult zebrafish exposed to ethanol during early development. <i>Neurotoxicology and Teratology</i> , 2018, 70, 60-66.	1.2	6
30	The Effect of Caffeine on the Neuropathological and Neurobehavioral Outcome in the Newborn Rat. <i>Journal of Caffeine and Adenosine Research</i> , 2018, 8, 143-152.	0.8	2
31	Emerging Role of Purine Metabolizing Enzymes in Brain Function and Tumors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3598.	1.8	48
32	Ponderal, Behavioral, and Brain Electrophysiological Effects of Caffeine on the Immature Rat. <i>Journal of Caffeine and Adenosine Research</i> , 2018, 8, 153-161.	0.8	4
33	Adenosine A2A Receptors in the Rat Prelimbic Medial Prefrontal Cortex Control Delay-Based Cost-Benefit Decision Making. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 475.	1.4	16
34	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.	0.8	8
35	Adenosine A ₁ Receptor mRNA Expression by Neurons and Glia in the Auditory Forebrain. <i>Anatomical Record</i> , 2018, 301, 1882-1905.	0.8	11
36	Adenosine A _{2A} receptors facilitate synaptic NMDA currents in CA1 pyramidal neurons. <i>British Journal of Pharmacology</i> , 2018, 175, 4386-4397.	2.7	31

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37	Neuronal adenosine A2A receptor overexpression is neuroprotective towards 3-nitropropionic acid-induced striatal toxicity: a rat model of Huntington's disease. <i>Purinergic Signalling</i> , 2018, 14, 235-243.	1.1	12
38	The Role of Adenosine Tone and Adenosine Receptors in Huntington's Disease. <i>Journal of Caffeine and Adenosine Research</i> , 2018, 8, 43-58.	0.8	35
39	Blockade of adenosine A2A 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.	2.1	74
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47	Amyotrophic Lateral Sclerosis (ALS) and Adenosine Receptors. <i>Frontiers in Pharmacology</i> , 2018, 9, 267.	1.6	22
48	Purinergic Receptors in Neurological Diseases With Motor Symptoms: Targets for Therapy. <i>Frontiers in Pharmacology</i> , 2018, 9, 325.	1.6	42
49	Caffeine and Selective Adenosine Receptor Antagonists as New Therapeutic Tools for the Motivational Symptoms of Depression. <i>Frontiers in Pharmacology</i> , 2018, 9, 526.	1.6	74
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51	Beneficial Effect of a Selective Adenosine A2A Receptor Antagonist in the APP ^{swe} /PS1 ^{dE9} Mouse Model of Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 235.	1.4	72
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53	Adenosine A2A Receptor Signaling in the Immunopathogenesis of Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2018, 9, 402.	2.2	23
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56	The Inside Story of Adenosine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 784.	1.8	52
57	Mechanisms of acetylcholinesterase protection against sarin and soman by adenosine A1 receptor agonist N6-cyclopentyladenosine. <i>Computational Biology and Chemistry</i> , 2018, 75, 74-81.	1.1	7
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59	Adenosine A2A receptor blockade attenuates spatial memory deficit and extent of demyelination areas in lyolecithin-induced demyelination model. <i>Life Sciences</i> , 2018, 205, 63-72.	2.0	14
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61	Microelectrode Biosensors for <i>in vivo</i> Analysis of Brain Interstitial Fluid. <i>Electroanalysis</i> , 2018, 30, 977-998.	1.5	22
62	Mental Fatigue Impairs Endurance Performance: A Physiological Explanation. <i>Sports Medicine</i> , 2018, 48, 2041-2051.	3.1	141
63	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
64	Guanosine Attenuates Behavioral Deficits After Traumatic Brain Injury by Modulation of Adenosinergic Receptors. <i>Molecular Neurobiology</i> , 2019, 56, 3145-3158.	1.9	26
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67	Cordycepin improves behavioral LTP and dendritic structure in hippocampal CA1 area of rats. <i>Journal of Neurochemistry</i> , 2019, 151, 79-90.	2.1	13
68	A2A-induced transcriptional deregulation in astrocytes: An <i>in vitro</i> study. <i>Glia</i> , 2019, 67, 2329-2342.	2.5	28
69	Adenosine A ₁ receptor-mediated protection of mouse hippocampal synaptic transmission against oxygen and/or glucose deprivation: a comparative study. <i>Journal of Neurophysiology</i> , 2019, 122, 721-728.	0.9	16
70	Adenosine A ₁ and A _{2A} receptors differently control synaptic plasticity in the mouse dorsal and ventral hippocampus. <i>Journal of Neurochemistry</i> , 2019, 151, 227-237.	2.1	22
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77	Caffeine regulates GABA transport via A1R blockade and cAMP signaling. <i>Neurochemistry International</i> , 2019, 131, 104550.	1.9	15
78	Neurogenetics of the Human Adenosine Receptor Genes: Genetic Structures and Involvement in Brain Diseases. <i>Journal of Caffeine and Adenosine Research</i> , 2019, 9, 73-88.	0.8	9
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80	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.	1.2	26
81	Enhanced ATP release and CD73-mediated adenosine formation sustain adenosine A _{2A} receptor overactivation in a rat model of Parkinson's disease. <i>British Journal of Pharmacology</i> , 2019, 176, 3666-3680.	2.7	42
82	Adenosine mechanisms and hypersensitive corticostriatal terminals in restless legs syndrome. Rationale for the use of inhibitors of adenosine transport. <i>Advances in Pharmacology</i> , 2019, 84, 3-19.	1.2	15
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92	Adenosine and Its Receptors as Potential Drug Targets in Amyotrophic Lateral Sclerosis. <i>Journal of Caffeine and Adenosine Research</i> , 2019, 9, 157-166.	0.8	1
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98	Balance between dopamine and adenosine signals regulates the PKA/Rap1 pathway in striatal medium spiny neurons. <i>Neurochemistry International</i> , 2019, 122, 8-18.	1.9	32
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110	Purinergic signaling orchestrating neuron-glia communication. Pharmacological Research, 2020, 162, 105253.	3.1	49
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135	Functional impact of the G279S substitution in the adenosine A1-receptor (A1R-G279S), a mutation associated with Parkinson's disease. <i>Molecular Pharmacology</i> , 2020, 98, MOLPHARM-AR-2020-000003.	1.0	12
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143	Adenosine kinase and adenosine receptors A ₁ R and A _{2A} R in temporal lobe epilepsy and hippocampal sclerosis and association with risk factors for SUDEP. <i>Epilepsia</i> , 2020, 61, 787-797.	2.6	18
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