

Carla I Tasca

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131
papers

3,524
citations

33
h-index

51
g-index

135
ext. papers

3,983
ext. citations

4.2
avg, IF

5.09
L-index

#	Paper	IF	Citations
131	Quinolinic acid stimulates synaptosomal glutamate release and inhibits glutamate uptake into astrocytes. <i>Neurochemistry International</i> , 2002 , 40, 621-7	4.4	218
130	Short bouts of mild-intensity physical exercise improve spatial learning and memory in aging rats: involvement of hippocampal plasticity via AKT, CREB and BDNF signaling. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 560-7	5.6	179
129	Mechanisms underlying the neurotoxicity induced by glyphosate-based herbicide in immature rat hippocampus: involvement of glutamate excitotoxicity. <i>Toxicology</i> , 2014 , 320, 34-45	4.4	133
128	Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxygenase-1 via PI3K/Akt/GSK-3 β pathway. <i>Neurochemistry International</i> , 2012 , 61, 397-404	4.4	87
127	Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid- β (1-40) administration in mice: evidence for dissociation between cognitive deficits and neuronal damage. <i>Experimental Neurology</i> , 2010 , 226, 274-84	5.7	86
126	Atorvastatin prevents hippocampal cell death due to quinolinic acid-induced seizures in mice by increasing Akt phosphorylation and glutamate uptake. <i>Neurotoxicity Research</i> , 2009 , 16, 106-15	4.3	84
125	In vitro oxygen-glucose deprivation to study ischemic cell death. <i>Methods in Molecular Biology</i> , 2015 , 1254, 197-210	1.4	82
124	Quinolinic acid inhibits glutamate uptake into synaptic vesicles from rat brain. <i>NeuroReport</i> , 2000 , 11, 249-53	1.7	81
123	Glutamate-induced toxicity in hippocampal slices involves apoptotic features and p38 MAPK signaling. <i>Neurochemical Research</i> , 2008 , 33, 27-36	4.6	80
122	Acute atorvastatin treatment exerts antidepressant-like effect in mice via the L-arginine-nitric oxide-cyclic guanosine monophosphate pathway and increases BDNF levels. <i>European Neuropsychopharmacology</i> , 2013 , 23, 400-12	1.2	68
121	Guanosine controls inflammatory pathways to afford neuroprotection of hippocampal slices under oxygen and glucose deprivation conditions. <i>Journal of Neurochemistry</i> , 2013 , 126, 437-50	6	68
120	Thyroid hormone increases astrocytic glutamate uptake and protects astrocytes and neurons against glutamate toxicity. <i>Journal of Neuroscience Research</i> , 2008 , 86, 3117-25	4.4	62
119	Ferulic acid exerts antidepressant-like effect in the tail suspension test in mice: evidence for the involvement of the serotonergic system. <i>European Journal of Pharmacology</i> , 2012 , 679, 68-74	5.3	61
118	The intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): a new rodent model to test palliative and neuroprotective agents for Parkinson's disease. <i>Current Pharmaceutical Design</i> , 2011 , 17, 489-507	3.3	61
117	Lithium and valproate prevent olfactory discrimination and short-term memory impairments in the intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) rat model of Parkinson's disease. <i>Behavioural Brain Research</i> , 2012 , 229, 208-15	3.4	58
116	Neuroprotective effect of guanosine against glutamate-induced cell death in rat hippocampal slices is mediated by the phosphatidylinositol-3 kinase/Akt/ glycogen synthase kinase 3 β pathway activation and inducible nitric oxide synthase inhibition. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1400-8	4.4	58
115	Inhibition of glutamate uptake into synaptic vesicles of rat brain by the metabolites accumulating in maple syrup urine disease. <i>Journal of the Neurological Sciences</i> , 2000 , 181, 44-9	3.2	57

114	Guanosine: a Neuromodulator with Therapeutic Potential in Brain Disorders 2016 , 7, 657-679		57
113	Guanosine is neuroprotective against oxygen/glucose deprivation in hippocampal slices via large conductance Ca ²⁺ -activated K ⁺ channels, phosphatidylinositol-3 kinase/protein kinase B pathway activation and glutamate uptake. <i>Neuroscience</i> , 2011 , 183, 212-20	3.9	53
112	Guanine nucleotides inhibit the stimulation of GFAP phosphorylation by glutamate. <i>NeuroReport</i> , 1995 , 6, 249-52	1.7	47
111	Involvement of PKA, CaMKII, PKC, MAPK/ERK and PI3K in the acute antidepressant-like effect of ferulic acid in the tail suspension test. <i>Pharmacology Biochemistry and Behavior</i> , 2012 , 103, 181-6	3.9	45
110	In vivo quinolinic acid increases synaptosomal glutamate release in rats: reversal by guanosine. <i>Neurochemical Research</i> , 2005 , 30, 439-44	4.6	45
109	Involvement of PI3K/Akt/GSK-3 β and mTOR in the antidepressant-like effect of atorvastatin in mice. <i>Journal of Psychiatric Research</i> , 2016 , 82, 50-7	5.2	42
108	Atorvastatin improves cognitive, emotional and motor impairments induced by intranasal 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) administration in rats, an experimental model of Parkinson's disease. <i>Brain Research</i> , 2013 , 1513, 103-16	3.7	41
107	Involvement of PI3K/Akt Signaling Pathway and Its Downstream Intracellular Targets in the Antidepressant-Like Effect of Creatine. <i>Molecular Neurobiology</i> , 2016 , 53, 2954-2968	6.2	40
106	Mechanism of guanosine-induced neuroprotection in rat hippocampal slices submitted to oxygen-glucose deprivation. <i>Neurochemistry International</i> , 2008 , 52, 411-8	4.4	40
105	The modulation of NMDA receptors and L-arginine/nitric oxide pathway is implicated in the anti-immobility effect of creatine in the tail suspension test. <i>Amino Acids</i> , 2015 , 47, 795-811	3.5	39
104	Increased susceptibility to amyloid- β -induced neurotoxicity in mice lacking the low-density lipoprotein receptor. <i>Journal of Alzheimer's Disease</i> , 2014 , 41, 43-60	4.3	38
103	Neuroprotective effect of GMP in hippocampal slices submitted to an in vitro model of ischemia. <i>Cellular and Molecular Neurobiology</i> , 2002 , 22, 335-44	4.6	36
102	Neurotoxicity induced by glutamate in glucose-deprived rat hippocampal slices is prevented by GMP. <i>Neurochemical Research</i> , 2005 , 30, 83-9	4.6	36
101	Fluorescence resonance energy transfer-based technologies in the study of protein-protein interactions at the cell surface. <i>Methods</i> , 2012 , 57, 467-72	4.6	35
100	NMDA preconditioning protects against quinolinic acid-induced seizures via PKA, PI3K and MAPK/ERK signaling pathways. <i>Behavioural Brain Research</i> , 2011 , 219, 92-7	3.4	33
99	Antidepressant-like and neuroprotective effects of <i>Aloysia gratissima</i> : investigation of involvement of L-arginine-nitric oxide-cyclic guanosine monophosphate pathway. <i>Journal of Ethnopharmacology</i> , 2011 , 137, 864-74	5	33
98	Neuromodulatory Effects of Guanine-Based Purines in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 376	6.1	33
97	Neuroprotective effects of agmatine in mice infused with a single intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). <i>Behavioural Brain Research</i> , 2012 , 235, 263-72	3.4	32

96	Guanosine Prevents Anhedonic-Like Behavior and Impairment in Hippocampal Glutamate Transport Following Amyloid- β Administration in Mice. <i>Molecular Neurobiology</i> , 2017 , 54, 5482-5496	6.2	30
95	Cerebral cortex, hippocampus, striatum and cerebellum show differential susceptibility to quinolinic acid-induced oxidative stress. <i>Neurological Sciences</i> , 2015 , 36, 1449-56	3.5	29
94	Synthetic organic compounds with potential for bacterial biofilm inhibition, a path for the identification of compounds interfering with quorum sensing. <i>International Journal of Antimicrobial Agents</i> , 2013 , 42, 519-23	14.3	29
93	N-methyl-D-aspartate preconditioning improves short-term motor deficits outcome after mild traumatic brain injury in mice. <i>Journal of Neuroscience Research</i> , 2010 , 88, 1329-37	4.4	27
92	GTP uptake into rat brain synaptic vesicles. <i>Brain Research</i> , 2006 , 1070, 71-6	3.7	27
91	Guanosine prevents oxidative damage and glutamate uptake impairment induced by oxygen/glucose deprivation in cortical astrocyte cultures: involvement of A and A adenosine receptors and PI3K, MEK, and PKC pathways. <i>Purinergic Signalling</i> , 2019 , 15, 465-476	3.8	26
90	Both creatine and its product phosphocreatine reduce oxidative stress and afford neuroprotection in an in vitro Parkinson's model. <i>ASN Neuro</i> , 2014 , 6,	5.3	26
89	G protein-coupled receptor oligomerization and brain integration: focus on adenosinergic transmission. <i>Brain Research</i> , 2012 , 1476, 86-95	3.7	25
88	Cell signaling in NMDA preconditioning and neuroprotection in convulsions induced by quinolinic acid. <i>Life Sciences</i> , 2011 , 89, 570-6	6.8	25
87	Guanine nucleotides inhibit cAMP accumulation induced by metabotropic glutamate receptor activation. <i>Neurochemical Research</i> , 1998 , 23, 183-8	4.6	25
86	Quinolinic acid-induced seizures stimulate glutamate uptake into synaptic vesicles from rat brain: effects prevented by guanine-based purines. <i>Neurochemical Research</i> , 2008 , 33, 97-102	4.6	25
85	Atorvastatin Prevents Cognitive Deficits Induced by Intracerebroventricular Amyloid- β 1-40 Administration in Mice: Involvement of Glutamatergic and Antioxidant Systems. <i>Neurotoxicity Research</i> , 2015 , 28, 32-42	4.3	24
84	Neuroprotection Promoted by Guanosine Depends on Glutamine Synthetase and Glutamate Transporters Activity in Hippocampal Slices Subjected to Oxygen/Glucose Deprivation. <i>Neurotoxicity Research</i> , 2016 , 29, 460-8	4.3	24
83	Adenosine A1 receptor-dependent antinociception induced by inosine in mice: pharmacological, genetic and biochemical aspects. <i>Molecular Neurobiology</i> , 2015 , 51, 1368-78	6.2	24
82	Atorvastatin prevents cell damage via modulation of oxidative stress, glutamate uptake and glutamine synthetase activity in hippocampal slices subjected to oxygen/glucose deprivation. <i>Neurochemistry International</i> , 2013 , 62, 948-55	4.4	24
81	GMP prevents excitotoxicity mediated by NMDA receptor activation but not by reversal activity of glutamate transporters in rat hippocampal slices. <i>Brain Research</i> , 2008 , 1231, 113-20	3.7	24
80	Oxygen-glucose deprivation decreases glutathione levels and glutamate uptake in rat hippocampal slices. <i>Brain Research</i> , 2006 , 1083, 211-8	3.7	24
79	Melatonin protects against oxygen and glucose deprivation by decreasing extracellular glutamate and Nox-derived ROS in rat hippocampal slices. <i>NeuroToxicology</i> , 2016 , 57, 61-68	4.4	23

78	Evaluation of glutathione metabolism in NMDA preconditioning against quinolinic acid-induced seizures in mice cerebral cortex and hippocampus. <i>Brain Research</i> , 2007 , 1184, 38-45	3.7	23
77	Atorvastatin Promotes Cytotoxicity and Reduces Migration and Proliferation of Human A172 Glioma Cells. <i>Molecular Neurobiology</i> , 2018 , 55, 1509-1523	6.2	22
76	Guanosine prevents nitroxidative stress and recovers mitochondrial membrane potential disruption in hippocampal slices subjected to oxygen/glucose deprivation. <i>Purinergic Signalling</i> , 2016 , 12, 707-718	3.8	22
75	Atorvastatin Protects from A β -Induced Cell Damage and Depressive-Like Behavior via ProBDNF Cleavage. <i>Molecular Neurobiology</i> , 2017 , 54, 6163-6173	6.2	21
74	Neurotoxicity induced by dexamethasone in the human neuroblastoma SH-SY5Y cell line can be prevented by folic acid. <i>Neuroscience</i> , 2011 , 190, 346-53	3.9	21
73	Creatine affords protection against glutamate-induced nitrosative and oxidative stress. <i>Neurochemistry International</i> , 2016 , 95, 4-14	4.4	20
72	Battling Alzheimer's Disease: Targeting SUMOylation-Mediated Pathways. <i>Neurochemical Research</i> , 2016 , 41, 568-78	4.6	20
71	Atorvastatin and Fluoxetine Prevent Oxidative Stress and Mitochondrial Dysfunction Evoked by Glutamate Toxicity in Hippocampal Slices. <i>Molecular Neurobiology</i> , 2017 , 54, 3149-3161	6.2	19
70	ConBr, a lectin from <i>Canavalia brasiliensis</i> seeds, protects against quinolinic acid-induced seizures in mice. <i>Neurochemical Research</i> , 2012 , 37, 288-97	4.6	19
69	Guanine derivatives modulate extracellular matrix proteins organization and improve neuron-astrocyte co-culture. <i>Journal of Neuroscience Research</i> , 2007 , 85, 1943-51	4.4	19
68	Guanine derivatives modulate L-glutamate uptake into rat brain synaptic vesicles. <i>Neurochemistry International</i> , 2004 , 44, 423-31	4.4	18
67	Effects of guanine nucleotides on adenosine and glutamate modulation of cAMP levels in optic tectum slices from chicks. <i>Neurochemistry International</i> , 1999 , 34, 213-20	4.4	18
66	Overexpression of cellular prion protein (PrP(C)) prevents cognitive dysfunction and apoptotic neuronal cell death induced by amyloid- β (A β) administration in mice. <i>Neuroscience</i> , 2012 , 215, 79-89	3.9	17
65	Guanosine-5Smonophosphate induces cell death in rat hippocampal slices via ionotropic glutamate receptors activation and glutamate uptake inhibition. <i>Neurochemistry International</i> , 2009 , 55, 703-9	4.4	17
64	Normal brain mitochondrial respiration in adult mice lacking cellular prion protein. <i>Neuroscience Letters</i> , 2005 , 375, 203-6	3.3	17
63	Inhibition of glutamate uptake into synaptic vesicles from rat brain by 3-nitropropionic acid in vitro. <i>Experimental Neurology</i> , 2001 , 172, 250-4	5.7	17
62	Atorvastatin evokes a serotonergic system-dependent antidepressant-like effect in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2014 , 122, 253-60	3.9	15
61	Anxiogenic-like profile of Wistar adult rats based on the pilocarpine model: an animal model for trait anxiety?. <i>Psychopharmacology</i> , 2013 , 227, 209-19	4.7	15

60	Phytochemical profile, toxicity and antioxidant activity of <i>Aloysia gratissima</i> (Verbenaceae). <i>Quimica Nova</i> , 2013 , 36, 69-73	1.6	15
59	The selective and competitive N-methyl-D-aspartate receptor antagonist, (-)-6-phosphonomethyl-deca-hydroisoquinoline-3-carboxylic acid, prevents synaptic toxicity induced by amyloid- β in mice. <i>Neuroscience</i> , 2011 , 192, 631-41	3.9	15
58	The Role of NMDA Receptors in the Development of Brain Resistance through Pre- and Postconditioning 2014 , 5, 430-41		15
57	Adenosine A _{2A} Receptor-Receptor Interaction: Contribution to Guanosine-Mediated Effects. <i>Cells</i> , 2019 , 8,	7.9	15
56	Influence of environmental enrichment vs. time-of-day on behavioral repertoire of male albino Swiss mice. <i>Neurobiology of Learning and Memory</i> , 2015 , 125, 63-72	3.1	14
55	In vitro 6-hydroxydopamine-induced toxicity in striatal, cerebrocortical and hippocampal slices is attenuated by atorvastatin and MK-801. <i>Toxicology in Vitro</i> , 2016 , 37, 162-168	3.6	14
54	Lectin from <i>Canavalia brasiliensis</i> (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. <i>Neurochemistry International</i> , 2013 , 62, 836-42	4.4	14
53	Impaired exercise capacity, but unaltered mitochondrial respiration in skeletal or cardiac muscle of mice lacking cellular prion protein. <i>Neuroscience Letters</i> , 2005 , 388, 21-6	3.3	14
52	Interaction of adenosine and guanine derivatives in the rat hippocampus: effects on cyclic AMP levels and on the binding of adenosine analogues and GMP. <i>Neurochemical Research</i> , 2000 , 25, 181-8	4.6	14
51	Biochemical alterations in caged Nile tilapia <i>Oreochromis niloticus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2010 , 73, 864-72	7	13
50	Synaptosomal glutamate release and uptake in mice lacking the cellular prion protein. <i>Brain Research</i> , 2006 , 1075, 13-9	3.7	13
49	Long-Term Neurobehavioral Consequences of a Single Ketamine Neonatal Exposure in Rats: Effects on Cellular Viability and Glutamate Transport in Frontal Cortex and Hippocampus. <i>Neurotoxicity Research</i> , 2018 , 34, 649-659	4.3	13
48	Guanosine promotes cytotoxicity via adenosine receptors and induces apoptosis in temozolomide-treated A172 glioma cells. <i>Purinergic Signalling</i> , 2017 , 13, 305-318	3.8	12
47	Adenosine A ₁ receptor activation modulates N-methyl-d-aspartate (NMDA) preconditioning phenotype in the brain. <i>Behavioural Brain Research</i> , 2015 , 282, 103-10	3.4	12
46	N-methyl-D-aspartate preconditioning prevents quinolinic acid-induced deregulation of glutamate and calcium homeostasis in mice hippocampus. <i>Neurotoxicity Research</i> , 2015 , 27, 118-28	4.3	12
45	Involvement of glutamatergic neurotransmission in the antidepressant-like effect of zinc in the chronic unpredictable stress model of depression. <i>Journal of Neural Transmission</i> , 2016 , 123, 339-52	4.3	12
44	Chick kainate binding protein lacks GTPase activity. <i>NeuroReport</i> , 1999 , 10, 1981-3	1.7	12
43	Subthreshold doses of guanosine plus ketamine elicit antidepressant-like effect in a mouse model of depression induced by corticosterone: Role of GR/NF- κ B/IDO-1 signaling. <i>Neurochemistry International</i> , 2020 , 139, 104797	4.4	11

42	Antiparkinsonian Efficacy of Guanosine in Rodent Models of Movement Disorder. <i>Frontiers in Pharmacology</i> , 2017 , 8, 700	5.6	11
41	Thyroid hormone mediates syndecan expression in rat neonatal cerebellum. <i>Cellular and Molecular Neurobiology</i> , 2008 , 28, 795-801	4.6	11
40	Effects of adenosine on cAMP production during early development in the optic tectum of chicks. <i>International Journal of Developmental Neuroscience</i> , 1995 , 13, 545-53	2.7	11
39	Guanosine Protects Striatal Slices Against 6-OHDA-Induced Oxidative Damage, Mitochondrial Dysfunction, and ATP Depletion. <i>Neurotoxicity Research</i> , 2019 , 35, 475-483	4.3	11
38	Aloysia gratissima prevents cellular damage induced by glutamatergic excitotoxicity. <i>Journal of Pharmacy and Pharmacology</i> , 2014 , 66, 1294-302	4.8	10
37	Purine receptors are required for DHA-mediated neuroprotection against oxygen and glucose deprivation in hippocampal slices. <i>Purinergic Signalling</i> , 2015 , 11, 117-26	3.8	10
36	Evidence of the involvement of the monoaminergic systems in the antidepressant-like effect of Aloysia gratissima. <i>Journal of Ethnopharmacology</i> , 2013 , 148, 914-20	5	10
35	Impaired astrocytic extracellular matrix distribution under congenital hypothyroidism affects neuronal development in vitro. <i>Journal of Neuroscience Research</i> , 2010 , 88, 3350-60	4.4	10
34	Role of Phosphatidylinositol-3 Kinase Pathway in NMDA Preconditioning: Different Mechanisms for Seizures and Hippocampal Neuronal Degeneration Induced by Quinolinic Acid. <i>Neurotoxicity Research</i> , 2018 , 34, 452-462	4.3	9
33	Guanosine and GMP increase the number of granular cerebellar neurons in culture: dependence on adenosine A and ionotropic glutamate receptors. <i>Purinergic Signalling</i> , 2019 , 15, 439-450	3.8	8
32	Folic Acid Protects Against Glutamate-Induced Excitotoxicity in Hippocampal Slices Through a Mechanism that Implicates Inhibition of GSK-3 β and iNOS. <i>Molecular Neurobiology</i> , 2018 , 55, 1580-1589	6.2	8
31	NMDA preconditioning attenuates cortical and hippocampal seizures induced by intracerebroventricular quinolinic acid infusion. <i>Neurotoxicity Research</i> , 2013 , 24, 55-62	4.3	8
30	Involvement of cellular prion protein in the nociceptive response in mice. <i>Brain Research</i> , 2007 , 1151, 84-90	3.7	8
29	Malnutrition induces an increase in intermediate filament protein content of rat cerebral cortex. <i>Journal of Nutrition</i> , 1991 , 121, 1349-54	4.1	8
28	Intranasal administration of sodium dimethyldithiocarbamate induces motor deficits and dopaminergic dysfunction in mice. <i>NeuroToxicology</i> , 2018 , 66, 107-120	4.4	7
27	Modulation of adenosine-induced cAMP accumulation via metabotropic glutamate receptors in chick optic tectum. <i>Neurochemical Research</i> , 1995 , 20, 1033-9	4.6	7
26	Statins enhance cognitive performance in object location test in albino Swiss mice: involvement of beta-adrenoceptors. <i>Physiology and Behavior</i> , 2015 , 143, 27-34	3.5	6
25	Anti-cancer Effects of Fucoxanthin on Human Glioblastoma Cell Line. <i>Anticancer Research</i> , 2020 , 40, 6799-6815	6.8	6

24	Coadministration of cannabinoid CB1-receptor and adenosine A1-receptor antagonists improves the acquisition of spatial memory in mice: participation of glutamatergic neurotransmission. <i>Behavioural Pharmacology</i> , 2012 , 23, 292-301	2.4	6
23	Atorvastatin Prevents Glutamate Uptake Reduction Induced by Quinolinic Acid Via MAPKs Signaling. <i>Neurochemical Research</i> , 2016 , 41, 2017-28	4.6	6
22	Atorvastatin Prevents Early Oxidative Events and Modulates Inflammatory Mediators in the Striatum Following Intranasal 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) Administration in Rats. <i>Neurotoxicity Research</i> , 2018 , 33, 549-559	4.3	6
21	Inhibition of reductase systems by 2-AAPA modulates peroxiredoxin oxidation and mitochondrial function in A172 glioblastoma cells. <i>Toxicology in Vitro</i> , 2017 , 42, 273-280	3.6	5
20	Guanosine Promotes Proliferation in Neural Stem Cells from Hippocampus and Neurogenesis in Adult Mice. <i>Molecular Neurobiology</i> , 2020 , 57, 3814-3826	6.2	5
19	Proteomic analysis of the mice hippocampus after preconditioning induced by N-methyl-D-aspartate (NMDA). <i>Journal of Molecular Neuroscience</i> , 2013 , 50, 154-64	3.3	5
18	Guanosine prevents depressive-like behaviors in rats following bilateral dorsolateral striatum lesion induced by 6-hydroxydopamine. <i>Behavioural Brain Research</i> , 2019 , 372, 112014	3.4	4
17	Novel synthetic chalcones induces apoptosis in human glioblastoma cells. <i>Chemico-Biological Interactions</i> , 2016 , 252, 74-81	5	4
16	Involvement of adenosine A and A receptors on guanosine-mediated anti-tremor effects in reserpinized mice. <i>Purinergic Signalling</i> , 2020 , 16, 379-387	3.8	4
15	Guanosine modulates SUMO2/3-ylation in neurons and astrocytes via adenosine receptors. <i>Purinergic Signalling</i> , 2020 , 16, 439-450	3.8	4
14	New ionic targets of 3,3',5'-Triiodothyronine at the plasma membrane of rat Sertoli cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019 , 1861, 748-759	3.8	4
13	Guanosine Mechanisms of Action: Toward Molecular Targets. <i>Frontiers in Pharmacology</i> , 2021 , 12, 653146	4.6	4
12	Study of adenosine A2 receptors in membrane preparations from optic tectum of chicks. <i>Neurochemical Research</i> , 1999 , 24, 1067-74	4.6	3
11	Adenosine and NMDA Receptors Modulate Neuroprotection-Induced NMDA Preconditioning in Mice. <i>Journal of Molecular Neuroscience</i> , 2020 , 70, 590-599	3.3	3
10	Role of Prefrontal Cortex on Recognition Memory Deficits in Rats following 6-OHDA-Induced Lesion. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 8324565	6.7	3
9	Unfolding New Roles for Guanine-Based Purines and Their Metabolizing Enzymes in Cancer and Aging Disorders. <i>Frontiers in Pharmacology</i> , 2021 , 12, 653549	5.6	3
8	Neuroprotection of Persea major extract against oxygen and glucose deprivation in hippocampal slices involves increased glutamate uptake and modulation of A1 and A2A adenosine receptors. <i>Revista Brasileira De Farmacognosia</i> , 2013 , 23, 789-795	2	2
7	Guanosine Neuroprotective Action in Hippocampal Slices Subjected to Oxygen and Glucose Deprivation Restores ATP Levels, Lactate Release and Glutamate Uptake Impairment: Involvement of Nitric Oxide. <i>Neurochemical Research</i> , 2020 , 45, 2217-2229	4.6	2

6	Malnutrition increases insoluble-to-soluble tubulin ratio and in vitro incorporation of 32ATP in rat cerebral cortex. <i>Neurochemistry International</i> , 1992 , 21, 595-603	4.4	1
5	Deciphering G protein-coupled receptor biology with fluorescence-based methods. <i>Current Pharmaceutical Biotechnology</i> , 2014 , 15, 962-70	2.6	1
4	Neuroprotection induced by NMDA preconditioning as a strategy to understand brain tolerance mechanism. <i>Neural Regeneration Research</i> , 2015 , 10, 542-3	4.5	1
3	Atorvastatin Improves Mitochondrial Function and Prevents Oxidative Stress in Hippocampus Following Amyloid- β Intracerebroventricular Administration in Mice. <i>Molecular Neurobiology</i> , 2020 , 57, 4187-4201	6.2	0
2	Functional interplay between adenosine A receptor and NMDA preconditioning in fear memory and glutamate uptake in the mice hippocampus. <i>Neurobiology of Learning and Memory</i> , 2021 , 180, 107422	3.1	0
1	Adenosine A and A receptors are involved on guanosine protective effects against oxidative burst and mitochondrial dysfunction induced by 6-OHDA in striatal slices. <i>Purinergic Signalling</i> , 2021 , 17, 247-254	2.8	0