# Carla I Tasca

List of Publications by Year
in descending order

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| 133 | 4,362 | 101384 | 143772 |
|---|---|---|---|
| papers | citations | 36 h-index | 57 g-index |

| 135 | 135 | 135 | 5513 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quinolinic acid stimulates synaptosomal glutamate release and inhibits glutamate uptake into astrocytes. Neurochemistry International, 2002, 40, 621-627. | 1.9 | 247 |
| 2 | 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. Mechanisms of Ageing and Development, 2011, 132, 560-567. | 2.2 | 219 |
| 3 | Mechanisms underlying the neurotoxicity induced by glyphosate-based herbicide in immature rat hippocampus: Involvement of glutamate excitotoxicity. Toxicology, 2014, 320, 34-45. | 2.0 | 185 |
| 4 | In Vitro Oxygen-Glucose Deprivation to Study Ischemic Cell Death. Methods in Molecular Biology, 2015, 1254, 197-210. | 0.4 | 108 |
| 5 | Guanosine protects human neuroblastoma SH-SY5Y cells against mitochondrial oxidative stress by inducing heme oxigenase-1 via PI3K/Akt/GSK-3Î² pathway. Neurochemistry International, 2012, 61, 397-404. | 1.9 | 98 |
| 6 | Atorvastatin prevents hippocampal cell death, neuroinflammation and oxidative stress following amyloid-Î²1â€“40 administration in mice: Evidence for dissociation between cognitive deficits and neuronal damage. Experimental Neurology, 2010, 226, 274-284. | 2.0 | 94 |
| 7 | Atorvastatin Prevents Hippocampal Cell Death due to Quinolinic Acid-Induced Seizures in Mice by Increasing Akt Phosphorylation and Glutamate Uptake. Neurotoxicity Research, 2009, 16, 106-115. | 1.3 | 90 |
| 8 | Guanosine controls inflammatory pathways to afford neuroprotection of hippocampal slices under oxygen and glucose deprivation conditions. Journal of Neurochemistry, 2013, 126, 437-450. | 2.1 | 88 |
| 9 | Quinolinic acid inhibits glutamate uptake into synaptic vesicles from rat brain. NeuroReport, 2000, 11, 249-254. | 0.6 | 86 |
| 10 | Guanosine: a Neuromodulator with Therapeutic Potential in Brain Disorders. , 2016, 7, 657. | | 86 |
| 11 | Glutamate-induced Toxicity in Hippocampal Slices Involves Apoptotic Features and p38MAPK Signaling. Neurochemical Research, 2008, 33, 27-36. | 1.6 | 84 |
| 12 | Thyroid hormone increases astrocytic glutamate uptake and protects astrocytes and neurons against glutamate toxicity. Journal of Neuroscience Research, 2008, 86, 3117-3125. | 1.3 | 79 |
| 13 | Acute atorvastatin treatment exerts antidepressant-like effect in mice via the l-arginineâ€“nitric oxideâ€“cyclic guanosine monophosphate pathway and increases BDNF levels. European Neuropsychopharmacology, 2013, 23, 400-412. | 0.3 | 79 |
| 14 | Ferulic acid exerts antidepressant-like effect in the tail suspension test in mice: Evidence for the involvement of the serotonergic system. European Journal of Pharmacology, 2012, 679, 68-74. | 1.7 | 77 |
| 15 | 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. Current Pharmaceutical Design, 2011, 17, 489-507. | 0.9 | 75 |
| 16 | Neuroprotective effect of guanosine against glutamateâ€induced cell death in rat hippocampal slices is mediated by the phosphatidylinositolâ€3 kinase/Akt/ glycogen synthase kinase 3Î² pathway activation and inducible nitric oxide synthase inhibition. Journal of Neuroscience Research, 2011, 89, 1400-1408. | 1.3 | 69 |
| 17 | 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. Behavioural Brain Research, 2012, 229, 208-215. | 1.2 | 67 |
| 18 | Guanosine is neuroprotective against oxygen/glucose deprivation in hippocampal slices via large conductance Ca2+-activated K+ channels, phosphatidilinositol-3 kinase/protein kinase B pathway activation and glutamate uptake. Neuroscience, 2011, 183, 212-220. | 1.1 | 65 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Involvement of PI3K/Akt/GSK-3Î² and mTOR in the antidepressant-like effect of atorvastatin in mice. Journal of Psychiatric Research, 2016, 82, 50-57. | 1.5 | 62 |
| 20 | Inhibition of glutamate uptake into synaptic vesicles of rat brain by the metabolites accumulating in maple syrup urine disease. Journal of the Neurological Sciences, 2000, 181, 44-49. | 0.3 | 60 |
| 21 | Involvement of PKA, CaMKII, PKC, MAPK/ERK and PI3K in the acute antidepressant-like effect of ferulic acid in the tail suspension test. Pharmacology Biochemistry and Behavior, 2012, 103, 181-186. | 1.3 | 55 |
| 22 | In vivo Quinolinic Acid Increases Synaptosomal Glutamate Release in Rats: Reversal by Guanosine. Neurochemical Research, 2005, 30, 439-444. | 1.6 | 51 |
| 23 | Involvement of PI3K/Akt Signaling Pathway and Its Downstream Intracellular Targets in the Antidepressant-Like Effect of Creatine. Molecular Neurobiology, 2016, 53, 2954-2968. | 1.9 | 50 |
| 24 | Mechanism of guanosine-induced neuroprotection in rat hippocampal slices submitted to oxygenâ€“glucose deprivation. Neurochemistry International, 2008, 52, 411-418. | 1.9 | 49 |
| 25 | 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. Brain Research, 2013, 1513, 103-116. | 1.1 | 49 |
| 26 | Neuromodulatory Effects of Guanine-Based Purines in Health and Disease. Frontiers in Cellular Neuroscience, 2018, 12, 376. | 1.8 | 49 |
| 27 | Guanine nucleotides inhibit the stimulation of GFAP phosphorylation by glutamate. NeuroReport, 1995, 6, 249-252. | 0.6 | 48 |
| 28 | Increased Susceptibility to Amyloid-Î²-Induced Neurotoxicity in Mice Lacking the Low-Density Lipoprotein Receptor. Journal of Alzheimer's Disease, 2014, 41, 43-60. | 1.2 | 48 |
| 29 | Fluorescence resonance energy transfer-based technologies in the study of proteinâ€“protein interactions at the cell surface. Methods, 2012, 57, 467-472. | 1.9 | 43 |
| 30 | Guanosine prevents oxidative damage and glutamate uptake impairment induced by oxygen/glucose deprivation in cortical astrocyte cultures: involvement of A1 and A2A adenosine receptors and PI3K, MEK, and PKC pathways. Purinergic Signalling, 2019, 15, 465-476. | 1.1 | 41 |
| 31 | Neuroprotective effect of GMP in hippocampal slices submitted to an in vitro model of ischemia. Cellular and Molecular Neurobiology, 2002, 22, 335-344. | 1.7 | 40 |
| 32 | Antidepressant-like and neuroprotective effects of Aloysia gratissima: Investigation of involvement of l-arginine-nitric oxide-cyclic guanosine monophosphate pathway. Journal of Ethnopharmacology, 2011, 137, 864-874. | 2.0 | 40 |
| 33 | 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. Amino Acids, 2015, 47, 795-811. | 1.2 | 40 |
| 34 | Neuroprotective effects of agmatine in mice infused with a single intranasal administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Behavioural Brain Research, 2012, 235, 263-272. | 1.2 | 39 |
| 35 | Synthetic organic compounds with potential for bacterial biofilm inhibition, a path for the identification of compounds interfering with quorum sensing. International Journal of Antimicrobial Agents, 2013, 42, 519-523. | 1.1 | 39 |
| 36 | Guanosine Prevents Anhedonic-Like Behavior and Impairment in Hippocampal Glutamate Transport Following Amyloid-Î²1â€“40 Administration in Mice. Molecular Neurobiology, 2017, 54, 5482-5496. | 1.9 | 39 |

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|---|---|---|---|
| 37 | Neurotoxicity Induced by Glutamate in Glucose-Deprived Rat Hippocampal Slices is Prevented by GMP. Neurochemical Research, 2005, 30, 83-89. | 1.6 | 36 |
| 38 | NMDA preconditioning protects against quinolinic acid-induced seizures via PKA, PI3K and MAPK/ERK signaling pathways. Behavioural Brain Research, 2011, 219, 92-97. | 1.2 | 35 |
| 39 | Neuroprotection Promoted by Guanosine Depends on Glutamine Synthetase and Glutamate Transporters Activity in Hippocampal Slices Subjected to Oxygen/Glucose Deprivation. Neurotoxicity Research, 2016, 29, 460-468. | 1.3 | 34 |
| 40 | Nâ€•methylâ€Dâ€aspartate preconditioning improves shortâ€term motor deficits outcome after mild traumatic brain injury in mice. Journal of Neuroscience Research, 2010, 88, 1329-1337. | 1.3 | 33 |
| 41 | Adenosine A1 Receptor-Dependent Antinociception Induced by Inosine in Mice: Pharmacological, Genetic and Biochemical Aspects. Molecular Neurobiology, 2015, 51, 1368-1378. | 1.9 | 33 |
| 42 | Melatonin protects against oxygen and glucose deprivation by decreasing extracellular glutamate and Nox-derived ROS in rat hippocampal slices. NeuroToxicology, 2016, 57, 61-68. | 1.4 | 33 |
| 43 | GTP uptake into rat brain synaptic vesicles. Brain Research, 2006, 1070, 71-76. | 1.1 | 32 |
| 44 | Both Creatine and Its Product Phosphocreatine Reduce Oxidative Stress and Afford Neuroprotection in an In Vitro Parkinsonâ€™s Model. ASN Neuro, 2014, 6, 175909141455494. | 1.5 | 32 |
| 45 | Cerebral cortex, hippocampus, striatum and cerebellum show differential susceptibility to quinolinic acid-induced oxidative stress. Neurological Sciences, 2015, 36, 1449-1456. | 0.9 | 32 |
| 46 | Atorvastatin Promotes Cytotoxicity and Reduces Migration and Proliferation of Human A172 Glioma Cells. Molecular Neurobiology, 2018, 55, 1509-1523. | 1.9 | 32 |
| 47 | Atorvastatin Protects from AÎ²1â€“40-Induced Cell Damage and Depressive-Like Behavior via ProBDNF Cleavage. Molecular Neurobiology, 2017, 54, 6163-6173. | 1.9 | 31 |
| 48 | G protein-coupled receptor oligomerization and brain integration: Focus on adenosinergic transmission. Brain Research, 2012, 1476, 86-95. | 1.1 | 30 |
| 49 | Cell signaling in NMDA preconditioning and neuroprotection in convulsions induced by quinolinic acid. Life Sciences, 2011, 89, 570-576. | 2.0 | 29 |
| 50 | Quinolinic Acid-induced Seizures Stimulate Glutamate Uptake into Synaptic Vesicles from Rat Brain: Effects Prevented by Guanine-based Purines. Neurochemical Research, 2008, 33, 97-102. | 1.6 | 28 |
| 51 | GMP prevents excitotoxicity mediated by NMDA receptor activation but not by reversal activity of glutamate transporters in rat hippocampal slices. Brain Research, 2008, 1231, 113-120. | 1.1 | 28 |
| 52 | Atorvastatin prevents cell damage via modulation of oxidative stress, glutamate uptake and glutamine synthetase activity in hippocampal slices subjected to oxygen/glucose deprivation. Neurochemistry International, 2013, 62, 948-955. | 1.9 | 28 |
| 53 | Guanosine prevents nitroxidative stress and recovers mitochondrial membrane potential disruption in hippocampal slices subjected to oxygen/glucose deprivation. Purinergic Signalling, 2016, 12, 707-718. | 1.1 | 27 |
| 54 | Guanine nucleotides inhibit cAMP accumulation induced by metabotropic glutamate receptor activation. Neurochemical Research, 1998, 23, 183-188. | 1.6 | 26 |

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|---|---|---|---|
| 55 | Evaluation of glutathione metabolism in NMDA preconditioning against quinolinic acid-induced seizures in mice cerebral cortex and hippocampus. Brain Research, 2007, 1184, 38-45. | 1.1 | 26 |
| 56 | Atorvastatin and Fluoxetine Prevent Oxidative Stress and Mitochondrial Dysfunction Evoked by Glutamate Toxicity in Hippocampal Slices. Molecular Neurobiology, 2017, 54, 3149-3161. | 1.9 | 26 |
| 57 | Adenosine A1-A2A Receptor-Receptor Interaction: Contribution to Guanosine-Mediated Effects. Cells, 2019, 8, 1630. | 1.8 | 26 |
| 58 | Atorvastatin Prevents Cognitive Deficits Induced by Intracerebroventricular Amyloid-Î²1â€“40 Administration in Mice: Involvement of Glutamatergic and Antioxidant Systems. Neurotoxicity Research, 2015, 28, 32-42. | 1.3 | 25 |
| 59 | Creatine affords protection against glutamate-induced nitrosative and oxidative stress. Neurochemistry International, 2016, 95, 4-14. | 1.9 | 25 |
| 60 | Oxygenâ€“glucose deprivation decreases glutathione levels and glutamate uptake in rat hippocampal slices. Brain Research, 2006, 1083, 211-218. | 1.1 | 24 |
| 61 | Battling Alzheimerâ€™s Disease: Targeting SUMOylation-Mediated Pathways. Neurochemical Research, 2016, 41, 568-578. | 1.6 | 24 |
| 62 | Guanine derivatives modulate l-glutamate uptake into rat brain synaptic vesicles. Neurochemistry International, 2004, 44, 423-431. | 1.9 | 23 |
| 63 | Neurotoxicity induced by dexamethasone in the human neuroblastoma SH-SY5Y cell line can be prevented by folic acid. Neuroscience, 2011, 190, 346-353. | 1.1 | 23 |
| 64 | Overexpression of cellular prion protein (PrPC) prevents cognitive dysfunction and apoptotic neuronal cell death induced by amyloid-Î² (AÎ²1â€“40) administration in mice. Neuroscience, 2012, 215, 79-89. | 1.1 | 23 |
| 65 | Atorvastatin evokes a serotonergic system-dependent antidepressant-like effect in mice. Pharmacology Biochemistry and Behavior, 2014, 122, 253-260. | 1.3 | 23 |
| 66 | ConBr, a Lectin from Canavalia brasiliensis Seeds, Protects Against Quinolinic Acid-Induced Seizures in Mice. Neurochemical Research, 2012, 37, 288-297. | 1.6 | 22 |
| 67 | Guanine derivatives modulate extracellular matrix proteins organization and improve neuron-astrocyte co-culture. Journal of Neuroscience Research, 2007, 85, 1943-1951. | 1.3 | 21 |
| 68 | The selective and competitive N-methyl-D-aspartate receptor antagonist, (â˜)-6-phosphonomethyl-deca-hydroisoquinoline-3-carboxylic acid, prevents synaptic toxicity induced by amyloid-Î² in mice. Neuroscience, 2011, 192, 631-641. | 1.1 | 21 |
| 69 | Inhibition of Glutamate Uptake into Synaptic Vesicles from Rat Brain by 3-Nitropropionic Acid in Vitro. Experimental Neurology, 2001, 172, 250-254. | 2.0 | 20 |
| 70 | Phytochemical profile, toxicity and antioxidant activity of Aloysia gratissima (Verbenaceae). Quimica Nova, 2013, 36, 69-73. | 0.3 | 20 |
| 71 | Influence of environmental enrichment vs. time-of-day on behavioral repertoire of male albino Swiss mice. Neurobiology of Learning and Memory, 2015, 125, 63-72. | 1.0 | 20 |
| 72 | Antiparkinsonian Efficacy of Guanosine in Rodent Models of Movement Disorder. Frontiers in Pharmacology, 2017, 8, 700. | 1.6 | 20 |

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|---|---|---|---|
| 73 | Effects of guanine nucleotides on adenosine and glutamate modulation of cAMP levels in optic tectum slices from chicks. Neurochemistry International, 1999, 34, 213-220. | 1.9 | 19 |
| 74 | Guanosine-5â€²-monophosphate induces cell death in rat hippocampal slices via ionotropic glutamate receptors activation and glutamate uptake inhibition. Neurochemistry International, 2009, 55, 703-709. | 1.9 | 19 |
| 75 | In vitro 6-hydroxydopamine-induced toxicity in striatal, cerebrocortical and hippocampal slices is attenuated by atorvastatin and MK-801. Toxicology in Vitro, 2016, 37, 162-168. | 1.1 | 19 |
| 76 | Normal brain mitochondrial respiration in adult mice lacking cellular prion protein. Neuroscience Letters, 2005, 375, 203-206. | 1.0 | 18 |
| 77 | Impaired exercise capacity, but unaltered mitochondrial respiration in skeletal or cardiac muscle of mice lacking cellular prion protein. Neuroscience Letters, 2005, 388, 21-26. | 1.0 | 18 |
| 78 | Anxiogenic-like profile of Wistar adult rats based on the pilocarpine model: an animal model for trait anxiety?. Psychopharmacology, 2013, 227, 209-219. | 1.5 | 18 |
| 79 | Evidence of the involvement of the monoaminergic systems in the antidepressant-like effect of Aloysia gratissima. Journal of Ethnopharmacology, 2013, 148, 914-920. | 2.0 | 18 |
| 80 | Guanosine promotes cytotoxicity via adenosine receptors and induces apoptosis in temozolomide-treated A172 glioma cells. Purinergic Signalling, 2017, 13, 305-318. | 1.1 | 18 |
| 81 | Long-Term Neurobehavioral Consequences of a Single Ketamine Neonatal Exposure in Rats: Effects on Cellular Viability and Glutamate Transport in Frontal Cortex and Hippocampus. Neurotoxicity Research, 2018, 34, 649-659. | 1.3 | 18 |
| 82 | Guanosine Protects Striatal Slices Against 6-OHDA-Induced Oxidative Damage, Mitochondrial Dysfunction, and ATP Depletion. Neurotoxicity Research, 2019, 35, 475-483. | 1.3 | 18 |
| 83 | Subthreshold doses of guanosine plus ketamine elicit antidepressant-like effect in a mouse model of depression induced by corticosterone: Role of GR/NF-Î²B/IDO-1 signaling. Neurochemistry International, 2020, 139, 104797. | 1.9 | 17 |
| 84 | Interaction of adenosine and guanine derivatives in the rat hippocampus: effects on cyclic AMP levels and on the binding of adenosine analogues and GMP. , 2000, 25, 181-188. | | 16 |
| 85 | Anti-cancer Effects of Fucoxanthin on Human Glioblastoma Cell Line. Anticancer Research, 2020, 40, 6799-6815. | 0.5 | 16 |
| 86 | Guanosine Promotes Proliferation in Neural Stem Cells from Hippocampus and Neurogenesis in Adult Mice. Molecular Neurobiology, 2020, 57, 3814-3826. | 1.9 | 16 |
| 87 | The Role of NMDA Receptors in the Development of Brain Resistance through Pre- and Postconditioning. , 2014, 5, 430-41. | | 16 |
| 88 | Lectin from Canavalia brasiliensis (ConBr) protects hippocampal slices against glutamate neurotoxicity in a manner dependent of PI3K/Akt pathway. Neurochemistry International, 2013, 62, 836-842. | 1.9 | 15 |
| 89 | N-Methyl-d-aspartate Preconditioning Prevents Quinolinic Acid-Induced Deregulation of Glutamate and Calcium Homeostasis in Mice Hippocampus. Neurotoxicity Research, 2015, 27, 118-128. | 1.3 | 15 |
| 90 | Biochemical alterations in caged Nile tilapia Oreochromis niloticus. Ecotoxicology and Environmental Safety, 2010, 73, 864-872. | 2.9 | 14 |

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|---|---|---|---|
| 91 | Synaptosomal glutamate release and uptake in mice lacking the cellular prion protein. Brain Research, 2006, 1075, 13-19. | 1.1 | 13 |
| 92 | Adenosine A1 receptor activation modulates N-methyl-d-aspartate (NMDA) preconditioning phenotype in the brain. Behavioural Brain Research, 2015, 282, 103-110. | 1.2 | 13 |
| 93 | Involvement of glutamatergic neurotransmission in the antidepressant-like effect of zinc in the chronic unpredictable stress model of depression. Journal of Neural Transmission, 2016, 123, 339-352. | 1.4 | 13 |
| 94 | Guanosine and GMP increase the number of granular cerebellar neurons in culture: dependence on adenosine A2A and ionotropic glutamate receptors. Purinergic Signalling, 2019, 15, 439-450. | 1.1 | 13 |
| 95 | Guanosine modulates SUMO2/3-ylation in neurons and astrocytes via adenosine receptors. Purinergic Signalling, 2020, 16, 439-450. | 1.1 | 13 |
| 96 | Guanosine Mechanisms of Action: Toward Molecular Targets. Frontiers in Pharmacology, 2021, 12, 653146. | 1.6 | 13 |
| 97 | Chick kainate binding protein lacks GTPase activity. NeuroReport, 1999, 10, 1981-1983. | 0.6 | 12 |
| 98 | Thyroid Hormone Mediates Syndecan Expression in Rat Neonatal Cerebellum. Cellular and Molecular Neurobiology, 2008, 28, 795-801. | 1.7 | 12 |
| 99 | Role of Phosphatidylinositol-3 Kinase Pathway in NMDA Preconditioning: Different Mechanisms for Seizures and Hippocampal Neuronal Degeneration Induced by Quinolinic Acid. Neurotoxicity Research, 2018, 34, 452-462. | 1.3 | 12 |
| 100 | Folic Acid Protects Against Glutamate-Induced Excitotoxicity in Hippocampal Slices Through a Mechanism that Implicates Inhibition of GSK-3Î² and iNOS. Molecular Neurobiology, 2018, 55, 1580-1589. | 1.9 | 12 |
| 101 | Guanosine prevents depressive-like behaviors in rats following bilateral dorsolateral striatum lesion induced by 6-hydroxydopamine. Behavioural Brain Research, 2019, 372, 112014. | 1.2 | 12 |
| 102 | Effects of adenosine on cAMP production during early development in the optic tectum of chicks. International Journal of Developmental Neuroscience, 1995, 13, 545-553. | 0.7 | 11 |
| 103 | Involvement of cellular prion protein in the nociceptive response in mice. Brain Research, 2007, 1151, 84-90. | 1.1 | 11 |
| 104 | Impaired astrocytic extracellular matrix distribution under congenital hypothyroidism affects neuronal development in vitro. Journal of Neuroscience Research, 2010, 88, 3350-3360. | 1.3 | 11 |
| 105 | Aloysia gratissima prevents cellular damage induced by glutamatergic excitotoxicity. Journal of Pharmacy and Pharmacology, 2014, 66, 1294-1302. | 1.2 | 11 |
| 106 | Purine receptors are required for DHA-mediated neuroprotection against oxygen and glucose deprivation in hippocampal slices. Purinergic Signalling, 2015, 11, 117-126. | 1.1 | 10 |
| 107 | Intranasal administration of sodium dimethyldithiocarbamate induces motor deficits and dopaminergic dysfunction in mice. NeuroToxicology, 2018, 66, 107-120. | 1.4 | 10 |
| 108 | Malnutrition Induces an Increase in Intermediate Filament Protein Content of Rat Cerebral Cortex. Journal of Nutrition, 1991, 121, 1349-1354. | 1.3 | 9 |

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|---|---|---|---|
| 109 | NMDA Preconditioning Attenuates Cortical and Hippocampal Seizures Induced by Intracerebroventricular Quinolinic Acid Infusion. Neurotoxicity Research, 2013, 24, 55-62. | 1.3 | 9 |
| 110 | Statins enhance cognitive performance in object location test in albino Swiss mice: Involvement of beta-adrenoceptors. Physiology and Behavior, 2015, 143, 27-34. | 1.0 | 9 |
| 111 | Novel synthetic chalcones induces apoptosis in human glioblastoma cells. Chemico-Biological Interactions, 2016, 252, 74-81. | 1.7 | 9 |
| 112 | Inhibition of reductase systems by 2-AAPA modulates peroxiredoxin oxidation and mitochondrial function in A172 glioblastoma cells. Toxicology in Vitro, 2017, 42, 273-280. | 1.1 | 9 |
| 113 | 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. Neurotoxicity Research, 2018, 33, 549-559. | 1.3 | 9 |
| 114 | Involvement of adenosine A1 and A2A receptors on guanosine-mediated anti-tremor effects in reserpinized mice. Purinergic Signalling, 2020, 16, 379-387. | 1.1 | 9 |
| 115 | Atorvastatin Prevents Glutamate Uptake Reduction Induced by Quinolinic Acid Via MAPKs Signaling. Neurochemical Research, 2016, 41, 2017-2028. | 1.6 | 8 |
| 116 | Modulation of adenosine-induced cAMP accumulation via metabotropic glutamate receptors in chick optic tectum. Neurochemical Research, 1995, 20, 1033-1039. | 1.6 | 7 |
| 117 | Coadministration of cannabinoid CB1-receptor and adenosine A1-receptor antagonists improves the acquisition of spatial memory in mice. Behavioural Pharmacology, 2012, 23, 292-301. | 0.8 | 7 |
| 118 | New ionic targets of 3,3â€²,5â€²-triiodothyronine at the plasma membrane of rat Sertoli cells. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 748-759. | 1.4 | 7 |
| 119 | Unfolding New Roles for Guanine-Based Purines and Their Metabolizing Enzymes in Cancer and Aging Disorders. Frontiers in Pharmacology, 2021, 12, 653549. | 1.6 | 7 |
| 120 | Atorvastatin Improves Mitochondrial Function and Prevents Oxidative Stress in Hippocampus Following Amyloid-Î²1â€“40 Intracerebroventricular Administration in Mice. Molecular Neurobiology, 2020, 57, 4187-4201. | 1.9 | 6 |
| 121 | Role of Prefrontal Cortex on Recognition Memory Deficits in Rats following 6-OHDA-InducedLocus CoeruleusLesion. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10. | 1.9 | 6 |
| 122 | Proteomic Analysis of the Mice Hippocampus After Preconditioning Induced by N-Methyl-d-Aspartate (NMDA). Journal of Molecular Neuroscience, 2013, 50, 154-164. | 1.1 | 5 |
| 123 | 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. Neurochemical Research, 2020, 45, 2217-2229. | 1.6 | 5 |
| 124 | Adenosine A1 and A2A receptors are involved on guanosine protective effects against oxidative burst and mitochondrial dysfunction induced by 6-OHDA in striatal slices. Purinergic Signalling, 2021, 17, 247-254. | 1.1 | 5 |
| 125 | Study of adenosine A2 receptors in membrane preparations from optic tectum of chicks. Neurochemical Research, 1999, 24, 1067-1074. | 1.6 | 3 |
| 126 | Adenosine and NMDA Receptors Modulate Neuroprotection-Induced NMDA Preconditioning in Mice. Journal of Molecular Neuroscience, 2020, 70, 590-599. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 127 | Functional interplay between adenosine A2A receptor and NMDA preconditioning in fear memory and glutamate uptake in the mice hippocampus. Neurobiology of Learning and Memory, 2021, 180, 107422. | 1.0 | 3 |
| 128 | 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. Revista Brasileira De Farmacognosia, 2013, 23, 789-795. | 0.6 | 2 |
| 129 | Targeting the guanine-based purinergic system in Alzheimer's disease. Neural Regeneration Research, 2017, 12, 212. | 1.6 | 2 |
| 130 | Malnutrition increases insoluble-to-soluble tubulin ratio and in vitro incorporation of 32ATP in rat cerebral cortex. Neurochemistry International, 1992, 21, 595-603. | 1.9 | 1 |
| 131 | Deciphering G Protein-Coupled Receptor Biology with Fluorescence-based Methods. Current Pharmaceutical Biotechnology, 2014, 15, 962-970. | 0.9 | 1 |
| 132 | Neuroprotection induced by NMDA preconditioning as a strategy to understand brain tolerance mechanism. Neural Regeneration Research, 2015, 10, 542. | 1.6 | 1 |
| 133 | Environmental enrichment condition does not alter glutamine synthetase activity in the hippocampus and cerebral cortex of Swiss albino mice. Journal of Systems and Integrative Neuroscience, 2015, 1, 29-32. | 0.6 | 0 |