

Irma ChacÃ³n

List of Publications by Year in descending order

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32
papers

1,738
citations

331670

21
h-index

414414

32
g-index

32
all docs

32
docs citations

32
times ranked

2714
citing authors

#	ARTICLE	IF	CITATIONS
1	Serum S100B and antioxidant enzymes in bipolar patients. <i>Journal of Psychiatric Research</i> , 2007, 41, 523-529.	3.1	269
2	Biological and methodological features of the measurement of S100B, a putative marker of brain injury. <i>Clinical Biochemistry</i> , 2008, 41, 755-763.	1.9	226
3	Developmental exposure to glyphosate-based herbicide and depressive-like behavior in adult offspring: Implication of glutamate excitotoxicity and oxidative stress. <i>Toxicology</i> , 2017, 387, 67-80.	4.2	137
4	A simple, sensitive and widely applicable ELISA for S100B: Methodological features of the measurement of this glial protein. <i>Journal of Neuroscience Methods</i> , 2008, 169, 93-99.	2.5	116
5	Resveratrol Increases Glutamate Uptake, Glutathione Content, and S100B Secretion in Cortical Astrocyte Cultures. <i>Cellular and Molecular Neurobiology</i> , 2007, 27, 661-668.	3.3	86
6	Adipocytes as an Important Source of Serum S100B and Possible Roles of This Protein in Adipose Tissue. <i>Cardiovascular Psychiatry and Neurology</i> , 2010, 2010, 1-7.	0.8	73
7	Protective Effects of Resveratrol on Hydrogen Peroxide Induced Toxicity in Primary Cortical Astrocyte Cultures. <i>Neurochemical Research</i> , 2008, 33, 8-15.	3.3	68
8	Resveratrol Prevents Ammonia Toxicity in Astroglial Cells. <i>PLoS ONE</i> , 2012, 7, e52164.	2.5	64
9	Astrocyte culture models: Molecular and function characterization of primary culture, immortalized astrocytes and C6 glioma cells. <i>Neurochemistry International</i> , 2019, 131, 104538.	3.8	63
10	Resveratrol protects against oxidative injury induced by H2O2 in acute hippocampal slice preparations from Wistar rats. <i>Archives of Biochemistry and Biophysics</i> , 2008, 480, 27-32.	3.0	56
11	Effects of physical exercise on spatial memory and astroglial alterations in the hippocampus of diabetic rats. <i>Metabolic Brain Disease</i> , 2011, 26, 269-279.	2.9	56
12	Ammonia-induced oxidative damage in neurons is prevented by resveratrol and lipoic acid with participation of heme oxygenase 1. <i>NeuroToxicology</i> , 2015, 49, 28-35.	3.0	50
13	Methylglyoxal can mediate behavioral and neurochemical alterations in rat brain. <i>Physiology and Behavior</i> , 2016, 164, 93-101.	2.1	40
14	Effects of dexamethasone on the Li-pilocarpine model of epilepsy: protection against hippocampal inflammation and astrogliosis. <i>Journal of Neuroinflammation</i> , 2018, 15, 68.	7.2	39
15	Effect of the atypical neuroleptic risperidone on morphology and S100B secretion in C6 astroglial lineage cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 314, 59-63.	3.1	38
16	Gap junction inhibitors modulate S100B secretion in astrocyte cultures and acute hippocampal slices. <i>Journal of Neuroscience Research</i> , 2009, 87, 2439-2446.	2.9	36
17	Moderate exercise training and chronic caloric restriction modulate redox status in rat hippocampus. <i>Brain Research</i> , 2011, 1421, 1-10.	2.2	35
18	Acute and repeated restraint stress influences cellular damage in rat hippocampal slices exposed to oxygen and glucose deprivation. <i>Brain Research Bulletin</i> , 2005, 65, 443-450.	3.0	34

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19	Ammonia-induced alteration in S100B secretion in astrocytes is not reverted by creatine addition. Brain Research Bulletin, 2006, 70, 179-185.	3.0	25
20	Hyperammonemia compromises glutamate metabolism and reduces BDNF in the rat hippocampus. NeuroToxicology, 2017, 62, 46-55.	3.0	24
21	Neuroinflammation induced by lipopolysaccharide leads to memory impairment and alterations in hippocampal leptin signaling. Behavioural Brain Research, 2020, 379, 112360.	2.2	24
22	Caloric restriction increases hippocampal glutamate uptake and glutamine synthetase activity in Wistar rats. Neuroscience Research, 2009, 64, 330-334.	1.9	23
23	Striatal Injury with 6-OHDA Transiently Increases Cerebrospinal GFAP and S100B. Neural Plasticity, 2015, 2015, 1-9.	2.2	22
24	Time-dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. Journal of Neurochemistry, 2016, 139, 309-323.	3.9	22
25	Transitory gliosis in the CA3 hippocampal region in rats fed on a ketogenic diet. Nutritional Neuroscience, 2005, 8, 259-264.	3.1	21
26	Non-specific inhibitors of aquaporin-4 stimulate S100B secretion in acute hippocampal slices of rats. Brain Research, 2013, 1491, 14-22.	2.2	19
27	Methylglyoxal alters glucose metabolism and increases AGEs content in C6 glioma cells. Metabolic Brain Disease, 2012, 27, 531-539.	2.9	15
28	Cd modifies hepatic Zn deposition and modulates ALA activity and MT levels by distinct mechanisms. Journal of Applied Toxicology, 2012, 32, 20-25.	2.8	13
29	Methylglyoxal Induces Changes in the Glyoxalase System and Impairs Glutamate Uptake Activity in Primary Astrocytes. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	4.0	13
30	Huperzine A, but not tacrine, stimulates S100B secretion in astrocyte cultures. Life Sciences, 2013, 92, 701-707.	4.3	11
31	Ascorbate uptake is decreased in the hippocampus of ageing rats. Neurochemistry International, 2011, 58, 527-532.	3.8	10
32	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. Neurotoxicity Research, 2016, 29, 314-324.	2.7	10