

# 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	Neuroinflammation induced by lipopolysaccharide leads to memory impairment and alterations in hippocampal leptin signaling. <i>Behavioural Brain Research</i> , 2020, 379, 112360.	2.2	24
2	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
3	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
4	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
5	Hyperammonemia compromises glutamate metabolism and reduces BDNF in the rat hippocampus. <i>NeuroToxicology</i> , 2017, 62, 46-55.	3.0	24
6	Methylglyoxal Induces Changes in the Glyoxalase System and Impairs Glutamate Uptake Activity in Primary Astrocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-11.	4.0	13
7	Methylglyoxal can mediate behavioral and neurochemical alterations in rat brain. <i>Physiology and Behavior</i> , 2016, 164, 93-101.	2.1	40
8	Time-dependent uptake and trafficking of vesicles capturing extracellular S100B in cultured rat astrocytes. <i>Journal of Neurochemistry</i> , 2016, 139, 309-323.	3.9	22
9	Gap Junction Intercellular Communication Mediates Ammonia-Induced Neurotoxicity. <i>Neurotoxicity Research</i> , 2016, 29, 314-324.	2.7	10
10	Striatal Injury with 6-OHDA Transiently Increases Cerebrospinal GFAP and S100B. <i>Neural Plasticity</i> , 2015, 2015, 1-9.	2.2	22
11	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
12	Huperzine A, but not tacrine, stimulates S100B secretion in astrocyte cultures. <i>Life Sciences</i> , 2013, 92, 701-707.	4.3	11
13	Non-specific inhibitors of aquaporin-4 stimulate S100B secretion in acute hippocampal slices of rats. <i>Brain Research</i> , 2013, 1491, 14-22.	2.2	19
14	Methylglyoxal alters glucose metabolism and increases AGEs content in C6 glioma cells. <i>Metabolic Brain Disease</i> , 2012, 27, 531-539.	2.9	15
15	Cd modifies hepatic Zn deposition and modulates $\text{Ca}^{2+}$ activity and MT levels by distinct mechanisms. <i>Journal of Applied Toxicology</i> , 2012, 32, 20-25.	2.8	13
16	Resveratrol Prevents Ammonia Toxicity in Astroglial Cells. <i>PLoS ONE</i> , 2012, 7, e52164.	2.5	64
17	Ascorbate uptake is decreased in the hippocampus of ageing rats. <i>Neurochemistry International</i> , 2011, 58, 527-532.	3.8	10
18	Moderate exercise training and chronic caloric restriction modulate redox status in rat hippocampus. <i>Brain Research</i> , 2011, 1421, 1-10.	2.2	35

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19	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
20	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
21	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
22	Caloric restriction increases hippocampal glutamate uptake and glutamine synthetase activity in Wistar rats. <i>Neuroscience Research</i> , 2009, 64, 330-334.	1.9	23
23	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
24	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
25	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
26	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
27	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
28	Serum S100B and antioxidant enzymes in bipolar patients. <i>Journal of Psychiatric Research</i> , 2007, 41, 523-529.	3.1	269
29	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
30	Ammonia-induced alteration in S100B secretion in astrocytes is not reverted by creatine addition. <i>Brain Research Bulletin</i> , 2006, 70, 179-185.	3.0	25
31	Transitory gliosis in the CA3 hippocampal region in rats fed on a ketogenic diet. <i>Nutritional Neuroscience</i> , 2005, 8, 259-264.	3.1	21
32	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