Alvaro G Estevez

List of Publications by Citations

37 papers	3,057 citations	26 h-index	41 g-index
41 ext. papers	3,285 ext. citations	6 avg, IF	4.46 L-index

#	Paper	IF	Citations
37	Motoneuron death triggered by a specific pathway downstream of Fas. potentiation by ALS-linked SOD1 mutations. *Neuron*, **2002**, 35, 1067-83	13.9	365
36	Nitric oxide and superoxide contribute to motor neuron apoptosis induced by trophic factor deprivation. *Journal of Neuroscience*, **1998**, 18, 923-31	6.6	313
35	Peroxynitrite-induced cytotoxicity in PC12 cells: evidence for an apoptotic mechanism differentially modulated by neurotrophic factors. *Journal of Neurochemistry*, **1995**, 65, 1543-50	6	244
34	A role for astrocytes in motor neuron loss in amyotrophic lateral sclerosis. *Brain Research Reviews*, **2004**, 47, 263-74		237
33	Astrocytic production of nerve growth factor in motor neuron apoptosis: implications for amyotrophic lateral sclerosis. *Journal of Neurochemistry*, **2004**, 89, 464-73	6	172
32	Nitric oxide-dependent production of cGMP supports the survival of rat embryonic motor neurons cultured with brain-derived neurotrophic factor. *Journal of Neuroscience*, **1998**, 18, 3708-14	6.6	149
31	Superoxide dismutase and the death of motoneurons in ALS. *Trends in Neurosciences*, **2001**, 24, S15-20	13.3	147
30	Peroxynitrite triggers a phenotypic transformation in spinal cord astrocytes that induces motor neuron apoptosis. *Journal of Neuroscience Research*, **2002**, 67, 21-9	4.4	146
29	Immunohistochemical methods to detect nitrotyrosine. *Methods in Enzymology*, **1999**, 301, 373-81	1.7	109
28	Superoxide dismutase and the death of motoneurons in ALS. *Trends in Neurosciences*, **2001**, 24, 15-20	13.3	104
27	Nitric oxide and superoxide, a deadly cocktail. *Annals of the New York Academy of Sciences*, **2002**, 962, 207-11	6.5	101
26	Nitration of Hsp90 induces cell death. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E1102-11	11.5	98
25	Reactive nitrogen species in cellular signaling. *Experimental Biology and Medicine*, **2015**, 240, 711-7	3.7	97
24	Astrocyte activation by fibroblast growth factor-1 and motor neuron apoptosis: implications for amyotrophic lateral sclerosis. *Journal of Neurochemistry*, **2005**, 93, 38-46	6	86
23	Copper delivery to the CNS by CuATSM effectively treats motor neuron disease in SOD(G93A) mice co-expressing the Copper-Chaperone-for-SOD. *Neurobiology of Disease*, **2016**, 89, 1-9	7.5	85
22	Characterization of detergent-insoluble proteins in ALS indicates a causal link between nitrative stress and aggregation in pathogenesis. *PLoS ONE*, **2009**, 4, e8130	3.7	85
21	Protective effect of riluzole on excitatory amino acid-mediated neurotoxicity in motoneuron-enriched cultures. *European Journal of Pharmacology*, **1995**, 280, 47-53	5.3	76

20	Nerve growth factor protects PC12 cells against peroxynitrite-induced apoptosis via a mechanism dependent on phosphatidylinositol 3-kinase. *Journal of Neurochemistry*, **1997**, 69, 53-9	6	60
19	Prevention of peroxynitrite-induced apoptosis of motor neurons and PC12 cells by tyrosine-containing peptides. *Journal of Biological Chemistry*, **2007**, 282, 6324-37	5.4	49
18	Liposome-delivered superoxide dismutase prevents nitric oxide-dependent motor neuron death induced by trophic factor withdrawal. *Free Radical Biology and Medicine*, **2000**, 28, 437-46	7.8	42
17	Interactions between beta-neuregulin and neurotrophins in motor neuron apoptosis. *Journal of Neurochemistry*, **2006**, 97, 222-33	6	34
16	Tyrosine nitration as mediator of cell death. *Cellular and Molecular Life Sciences*, **2014**, 71, 3939-50	10.3	33
15	Enhancement of peroxynitrite-induced apoptosis in PC12 cells by fibroblast growth factor-1 and nerve growth factor requires p21Ras activation and is suppressed by Bcl-2. *Archives of Biochemistry and Biophysics*, **1998**, 356, 41-5	4.1	32
14	Cu,Zn-superoxide dismutase increases toxicity of mutant and zinc-deficient superoxide dismutase by enhancing protein stability. *Journal of Biological Chemistry*, **2010**, 285, 33885-97	5.4	31
13	Nitration of Hsp90 on Tyrosine 33 Regulates Mitochondrial Metabolism. *Journal of Biological Chemistry*, **2015**, 290, 19055-66	5.4	29
12	Cellular mechanisms of peroxynitrite-induced neuronal death. *Brain Research Bulletin*, **2017**, 133, 4-11	3.9	27
11	Targeting Extracellular Cyclophilin A Reduces Neuroinflammation and Extends Survival in a Mouse Model of Amyotrophic Lateral Sclerosis. *Journal of Neuroscience*, **2017**, 37, 1413-1427	6.6	24
10	Differential sensitivity of oligodendrocytes and motor neurons to reactive nitrogen species: implications for multiple sclerosis. *Journal of Neurochemistry*, **2009**, 109, 93-104	6	20
9	Cyclic guanosine 5amonophosphate (GMP) prevents expression of neuronal nitric oxide synthase and apoptosis in motor neurons deprived of trophic factors in rats. *Neuroscience Letters*, **2002**, 326, 201-5	3.3	20
8	Nitric oxide and peroxynitrite in the perinatal period. *Seminars in Perinatology*, **2000**, 24, 37-41	3.3	18
7	Chronic inhibitory effect of riluzole on trophic factor production. *Experimental Neurology*, **2015**, 271, 301-7	5.7	11
6	Peroxynitrite and Cell Signaling **1997**, 32-51		6
5	Tunicamycin inhibits the initiation of DNA synthesis stimulated by prostaglandin F2 alpha in Swiss mouse 3T3 cells. *FEBS Letters*, **1991**, 290, 239-42	3.8	4
4	Ligand-independent activation of the P2X7 receptor by Hsp90 inhibition stimulates motor neuron apoptosis. *Experimental Biology and Medicine*, **2019**, 244, 901-914	3.7	2
3	Good science shows the way. Highlight Commentary on "Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic mice--a model of familial amyotrophic lateral sclerosis". *Free Radical Biology and Medicine*, **2007**, 43, 163-4	7.8	1

2	Peroxynitrite nitration of Tyr 56 in Hsp90 induces PC12 cell death through P2X7R-dependent PTEN activation.. *Redox Biology*, **2022**, 50, 102247	11.3	0
1	Nitric Oxide Toxicity in Neuronal Injury and Degeneration **2000**, 262-278		