Jose Aguilera

List of Publications by Year
in descending order

53 papers	1,012 citations	394421 19 h-index	477307 29 g-index
53 all docs	53 docs citations	53 times ranked	3003 citing authors

#	Article	IF	Citations
1	The C-terminal domain of the heavy chain of tetanus toxin prevents the oxidative and nitrosative stress induced by acute toxicity of 1-methyl-4-phenylpyridinium, a rat model of Parkinsonâ€™s disease. Neuroscience Research, 2022, 174, 36-45.	1.9	2
2	The Câ€terminal fragment of the heavy chain of the tetanus toxin (Hcâ€TeTx) improves motor activity and neuronal morphology in the limbic system of aged mice. Synapse, 2021, 75, e22193.	1.2	2
3	Interaction between a Novel Oligopeptide Fragment of the Human Neurotrophin Receptor TrkB Ectodomain D5 and the C-Terminal Fragment of Tetanus Neurotoxin. Molecules, 2021, 26, 3988.	3.8	1
4	Neurotrophic Properties of C-Terminal Domain of the Heavy Chain of Tetanus Toxin on Motor Neuron Disease. Toxins, 2020, 12, 666.	3.4	2
5	Neuroprotective Fragment C of Tetanus Toxin Modulates IL-6 in an ALS Mouse Model. Toxins, 2020, 12, 330.	3.4	8
6	Antidepressant effects of C-Terminal domain of the heavy chain of tetanus toxin in a rat model of depression. Behavioural Brain Research, 2019, 370, 111968.	2.2	8
7	Effectiveness of Fragment C Domain of Tetanus Toxin and Pramipexole in an Animal Model of Parkinsonâ€™s Disease. Neurotoxicity Research, 2019, 35, 699-710.	2.7	10
8	Differential Expression of Striatal Î”FosB mRNA and FosB mRNA After Different Levodopa Treatment Regimens in a Rat Model of Parkinsonâ€™s Disease. Neurotoxicity Research, 2019, 35, 563-574.	2.7	3
9	Peripheral Administration of Tetanus Toxin Hc Fragment Prevents MPP+ Toxicity In Vivo. Neurotoxicity Research, 2018, 34, 47-61.	2.7	9
10	Fragment C Domain of Tetanus Toxin Mitigates Methamphetamine Neurotoxicity and Its Motor Consequences in Mice. International Journal of Neuropsychopharmacology, 2016, 19, pyw021.	2.1	28
11	Effect of the C-terminal domain of the heavy chain of tetanus toxin on dyskinesia caused by levodopa in 6-hydroxydopamine-lesioned rats. Pharmacology Biochemistry and Behavior, 2016, 145, 33-44.	2.9	5
12	An Acute Glutamate Exposure Induces Long-Term Down Regulation of GLAST/EAAT1 Uptake Activity in Cultured Bergmann Glia Cells. Neurochemical Research, 2014, 39, 142-149.	3.3	8
13	GLAST/EAAT1 regulation in cultured Bergmann glia cells: Role of the NO/cGMP signaling pathway. Neurochemistry International, 2014, 73, 139-145.	3.8	13
14	Trk receptors need neutral sphingomyelinase activity to promote cell viability. FEBS Letters, 2014, 588, 167-174.	2.8	13
15	The restorative effect of intramuscular injection of tetanus toxin C-fragment in hemiparkinsonian rats. Neuroscience Research, 2014, 84, 1-9.	1.9	12
16	Differential sensitivity to detergents of actin cytoskeleton from nerve endings. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2385-2393.	2.6	5
17	The Câ€terminal domain of tetanus toxin protects motoneurons against acute excitotoxic damage on spinal cord organotypic cultures. Journal of Neurochemistry, 2013, 124, 36-44.	3.9	23
18	Tetanus Toxin Hc Fragment Induces the Formation of Ceramide Platforms and Protects Neuronal Cells against Oxidative Stress. PLoS ONE, 2013, 8, e68055.	2.5	12

#	Article	IF	Citations
19	Fragment C of Tetanus Toxin: New Insights into Its Neuronal Signaling Pathway. International Journal of Molecular Sciences, 2012, 13, 6883-6901.	4.1	33
20	The C-terminal domain of the heavy chain of tetanus toxin given by intramuscular injection causes neuroprotection and improves the motor behavior in rats treated with 6-hydroxydopamine. Neuroscience Research, 2012, 74, 156-167.	1.9	17
21	Brain Specific Kinase-1 BRSK1/SAD-B associates with lipid rafts: modulation of kinase activity by lipid environment. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 1124-1135.	2.4	20
22	Signaling through EAAT-1/GLAST in cultured Bergmann glia cells. Neurochemistry International, 2011, 59, 871-879.	3.8	29
23	Brain-derived neurotrophic factor and its receptors in Bergmann glia cells. Neurochemistry International, 2011, 59, 1133-1144.	3.8	16
24	Protein kinase CK2 associates to lipid rafts and its pharmacological inhibition enhances neurotransmitter release. FEBS Letters, 2011, 585, 414-420.	2.8	11
25	Fragment C of tetanus toxin, more than a carrier. Novel perspectives in non-viral ALS gene therapy. Journal of Molecular Medicine, 2010, 88, 297-308.	3.9	52
26	Glutamate regulates eEF1A phosphorylation and ribosomal transit time in Bergmann glial cells. Neurochemistry International, 2010, 57, 795-803.	3.8	22
27	Glutamateâ€dependent transcriptional control in Bergmann glia: Sox10 as a repressor. Journal of Neurochemistry, 2009, 109, 899-910.	3.9	5
28	Tetanus toxin HC fragment reduces neuronal MPP+ toxicity. Molecular and Cellular Neurosciences, 2009, 41, 297-303.	2.2	31
29	Glutamate-dependent phosphorylation of the mammalian target of rapamycin (mTOR) in Bergmann glial cells. Neurochemistry International, 2009, 55, 282-287.	3.8	21
30	Insulin-dependent regulation of GLAST/EAAT1 in Bergmann glial cells. Neuroscience Letters, 2009, 451, 134-138.	2.1	17
31	The carboxyl-terminal domain of the heavy chain of tetanus toxin prevents dopaminergic degeneration and improves motor behavior in rats with striatal MPP+-lesions. Neuroscience Research, 2009, 65, 98-106.	1.9	28
32	Clostridium Neurotoxins Influence Serotonin Uptake and Release Differently in Rat Brain Synaptosomes. Journal of Neurochemistry, 2008, 72, 1991-1998.	3.9	30
33	Shedding of the p75NTRneurotrophin receptor is modulated by lipid rafts. FEBS Letters, 2007, 581, 1851-1858.	2.8	20
34	17Î²-estradiol does not protect cerebellar granule cells from excitotoxicity or apoptosis. Journal of Neurochemistry, 2007, 102, 354-364.	3.9	9
35	Synaptic proteins associate with a sub-set of lipid rafts when isolated from nerve endings at physiological temperature. Biochemical and Biophysical Research Communications, 2006, 348, 1334-1342.	2.1	42
36	Synaptic proteins and SNARE complexes are localized in lipid rafts from rat brain synaptosomes. Biochemical and Biophysical Research Communications, 2005, 329, 117-124.	2.1	76

#	ARTICLE	IF	CITATIONS
37	The C-terminal domain of the heavy chain of tetanus toxin rescues cerebellar granule neurones from apoptotic death: involvement of phosphatidylinositol 3-kinase and mitogen-activated protein kinase pathways. Journal of Neurochemistry, 2004, 90, 1227-1236.	3.9	42
38	Serotonin transport is modulated differently by tetanus toxin and growth factors. Neurochemistry International, 2003, 42, 535-542.	3.8	10
39	C-terminal fragment of tetanus toxin heavy chain activates Akt and MEK/ERK signalling pathways in a Trk receptor-dependent manner in cultured cortical neurons. Biochemical Journal, 2003, 373, 613-620.	3.7	55
40	Tetanus Toxin Enhances Protein Kinase C Activity Translocation and Increases Polyphosphoinositide Hydrolysis in Rat Cerebral Cortex Preparations. Journal of Neurochemistry, 2002, 70, 1636-1643.	3.9	23
41	HC fragment (C-terminal portion of the heavy chain) of tetanus toxin activates protein kinase C isoforms and phosphoproteins involved in signal transduction. Biochemical Journal, 2001, 356, 97-103.	3.7	33
42	Tetanus Toxin Modulates Serotonin Transport in Rat-Brain Neuronal Cultures. Journal of Molecular Neuroscience, 2001, 17, 303-310.	2.3	10
43	HC fragment (C-terminal portion of the heavy chain) of tetanus toxin activates protein kinase C isoforms and phosphoproteins involved in signal transduction. Biochemical Journal, 2001, 356, 97.	3.7	23
44	Activation of signal transduction pathways involving trkA, PLCÎ³-1, PKC isoforms and ERK-1/2 by tetanus toxin. FEBS Letters, 2000, 481, 177-182.	2.8	32
45	Serotonin transporter phosphorylation modulated by tetanus toxin. FEBS Letters, 2000, 486, 136-142.	2.8	17
46	Title is missing!. Molecular and Cellular Biochemistry, 1999, 191, 97-104.	3.1	17
47	Inhibition by tetanus toxin of sodium-dependent, high-affinity [3H]5-hydroxytryptamine uptake in rat synaptosomes. Biochemical Pharmacology, 1999, 57, 111-120.	4.4	24
48	Differential action of nerve growth factor and phorbol ester TPA on rat synaptosomal PKC isoenzymes. Neurochemistry International, 1999, 35, 281-291.	3.8	11
49	GT1b Ganglioside Prevents Tetanus Toxin-Induced Protein Kinase C Activation and Down-Regulation in the Neonatal Brain In Vivo. Journal of Neurochemistry, 1993, 60, 709-713.	3.9	19
50	Stereotaxic Injection of Tetanus Toxin in Rat Central Nervous System Causes Alteration in Normal Levels of Monoamines. Journal of Neurochemistry, 1991, 56, 733-738.	3.9	10
51	In Vivo Translocation and Down-Regulation of Protein Kinase C Following Intraventricular Administration of Tetanus Toxin. Journal of Neurochemistry, 1990, 54, 339-342.	3.9	26
52	Tetanus toxin-induced protein kinase C activation and elevated serotonin levels in the perinatal rat brain. FEBS Letters, 1990, 263, 61-65.	2.8	13
53	Tetanus intoxication causes an increment of serotonin in the central nervous system. Experientia, 1987, 43, 410-412.	1.2	4