

Leonardo Guzmán

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

629
citations

17
h-index

23
g-index

41
ext. papers

737
ext. citations

4.9
avg, IF

3.5
L-index

#	Paper	IF	Citations
41	Changes in PGC-1 β /SIRT1 Signaling Impact on Mitochondrial Homeostasis in Amyloid-Beta Peptide Toxicity Model. <i>Frontiers in Pharmacology</i> , 2020 , 11, 709	5.6	10
40	Modulation of glycine receptor single-channel conductance by intracellular phosphorylation. <i>Scientific Reports</i> , 2020 , 10, 4804	4.9	8
39	Visible-light-responsive folate-conjugated titania and alumina nanotubes for photodynamic therapy applications. <i>Journal of Materials Science</i> , 2020 , 55, 6976-6991	4.3	3
38	Rational Design and Evaluation of Novel Peptides Binding to Neuroligin-1 for Synaptic Targeting. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 995-1004	6.1	0
37	Polyamidoamine-based nanovector for the efficient delivery of methotrexate to U87 glioma cells. <i>Nanomedicine</i> , 2020 , 15, 2771-2784	5.6	3
36	Stereospecific Inhibition of Ethanol Potentiation on Glycine Receptor by M554 Stereoisomers. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 6634-6641	6.1	0
35	Mechanism-Based Rational Discovery and Evaluation of Novel Microtubule Stabilizing Agents with Non-Taxol-Competitive Activity. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 3204-3213	6.1	4
34	Inhibitory Actions of Tropeines on the α Glycine Receptor Function. <i>Frontiers in Pharmacology</i> , 2019 , 10, 331	5.6	3
33	17 Oxo Sparteine and Lupanine, Obtained from <i>Cytisus scoparius</i> , Exert a Neuroprotection against Soluble Oligomers of Amyloid- β Toxicity by Nicotinic Acetylcholine Receptors. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 343-356	4.3	3
32	Partially PEGylated PAMAM dendrimers as solubility enhancers of Silybin. <i>Pharmaceutical Development and Technology</i> , 2018 , 23, 689-696	3.4	21
31	P2X receptor overexpression induced by soluble oligomers of amyloid beta peptide potentiates synaptic failure and neuronal dyshomeostasis in cellular models of Alzheimer's disease. <i>Neuropharmacology</i> , 2018 , 128, 366-378	5.5	24
30	Cytotoxicity and in vivo plasma kinetic behavior of surface-functionalized PAMAM dendrimers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2227-2234	6	21
29	Polyamido amine (PAMAM)-grafted magnetic nanotubes as emerging platforms for the delivery and sustained release of silibinin. <i>Journal of Materials Science</i> , 2017 , 52, 9269-9281	4.3	8
28	Prevention of Synaptic Alterations and Neurotoxic Effects of PAMAM Dendrimers by Surface Functionalization. <i>Nanomaterials</i> , 2017 , 8,	5.4	20
27	ATP leakage induces P2XR activation and contributes to acute synaptic excitotoxicity induced by soluble oligomers of β amyloid peptide in hippocampal neurons. <i>Neuropharmacology</i> , 2016 , 100, 116-23	5.5	32
26	Mechanism of PAMAM Dendrimers Internalization in Hippocampal Neurons. <i>Molecular Pharmaceutics</i> , 2016 , 13, 3395-3403	5.6	18
25	Reversal of Ethanol-induced Intoxication by a Novel Modulator of G β Protein Potentiation of the Glycine Receptor. <i>Journal of Biological Chemistry</i> , 2016 , 291, 18791-8	5.4	6

24	Functional modulation of glycine receptors by the alkaloid gelsemine. <i>British Journal of Pharmacology</i> , 2016 , 173, 2263-77	8.6	25
23	PAMAM-Conjugated Alumina Nanotubes as Novel Noncytotoxic Nanocarriers with Enhanced Drug Loading and Releasing Performances. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1712-1722	2.6	10
22	PAMAM-grafted TiO ₂ nanotubes as novel versatile materials for drug delivery applications. <i>Materials Science and Engineering C</i> , 2016 , 65, 164-71	8.3	31
21	Ethanol effects on glycinergic transmission: From molecular pharmacology to behavior responses. <i>Pharmacological Research</i> , 2015 , 101, 18-29	10.2	17
20	Evidence for α -helices in the large intracellular domain mediating modulation of the α -glycine receptor by ethanol and G β . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015 , 352, 148-55	4.7	16
19	Dendrimer nanocarriers drug action: perspective for neuronal pharmacology. <i>Neural Regeneration Research</i> , 2015 , 10, 1029-31	4.5	12
18	Modulation of neuronal nicotinic receptor by quinolizidine alkaloids causes neuroprotection on a cellular Alzheimer model. <i>Journal of Alzheimers Disease</i> , 2014 , 42, 143-55	4.3	13
17	Synaptic silencing and plasma membrane dyshomeostasis induced by amyloid- β peptide are prevented by <i>Aristotelia chilensis</i> enriched extract. <i>Journal of Alzheimers Disease</i> , 2012 , 31, 879-89	4.3	29
16	Inhibition of the ethanol-induced potentiation of α glycine receptor by a small peptide that interferes with G β binding. <i>Journal of Biological Chemistry</i> , 2012 , 287, 40713-21	5.4	13
15	Potentiation and inhibition of glycine receptors by tutin. <i>Neuropharmacology</i> , 2011 , 60, 453-9	5.5	12
14	Inhibitory activities on mammalian central nervous system receptors and computational studies of three sesquiterpene lactones from <i>Coriaria ruscifolia</i> subsp. <i>ruscifolia</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2011 , 59, 161-5	1.9	6
13	Synaptic failure and adenosine triphosphate imbalance induced by amyloid- β aggregates are prevented by blueberry-enriched polyphenols extract. <i>Journal of Neuroscience Research</i> , 2011 , 89, 1499-508	4.4	35
12	Molecular requirements for ethanol differential allosteric modulation of glycine receptors based on selective G β modulation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 30203-13	5.4	40
11	Blockade of ethanol-induced potentiation of glycine receptors by a peptide that interferes with G β binding. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 933-9	4.7	19
10	Inhibitory effects of tutin on glycine receptors in spinal neurons. <i>European Journal of Pharmacology</i> , 2007 , 559, 61-4	5.3	18
9	Historical and current perspectives of neuroactive compounds derived from Latin America. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 997-1008	3.2	7
8	Molecular determinants for G protein β modulation of ionotropic glycine receptors. <i>Journal of Biological Chemistry</i> , 2006 , 281, 39300-7	5.4	48
7	A G β stimulated adenylyl cyclase is involved in <i>Xenopus laevis</i> oocyte maturation. <i>Journal of Cellular Physiology</i> , 2005 , 202, 223-9	7	15

6	Human brain synembryon interacts with G α and Gq α and is translocated to the plasma membrane in response to isoproterenol and carbachol. <i>Journal of Cellular Physiology</i> , 2003 , 195, 151-7	7	49
5	S111N mutation in the helical domain of human Gs(α) reduces its GDP/GTP exchange rate. <i>Journal of Cellular Biochemistry</i> , 2002 , 85, 615-20	4-7	6
4	G(α)s levels regulate <i>Xenopus laevis</i> oocyte maturation. <i>Molecular Reproduction and Development</i> , 2002 , 63, 104-9	2.6	21
3	The C2 cytosolic loop of adenylyl cyclase interacts with the activated form of G α s. <i>FEBS Letters</i> , 1998 , 441, 437-40	3.8	1
2	Chemical Modification of <i>Genypterus maculatus</i> Arginase by Woodward's Reagent K and Diethyl Pyrocarbonate: Evidence for an Essential Carboxylate and a Nonessential, Albeit Important Histidine Residue. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1997 , 118, 633-637	2.3	2
1	Polyamidoamine dendrimers of the third generation α -chlorin e6 nanoconjugates: Nontoxic hybrid polymers with photodynamic activity. <i>Journal of Applied Polymer Science</i> , 51835	2.9	0