

# Leonardo Guzmán

## List of Publications by Citations

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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	Human brain synembryon interacts with G $\alpha$ and G $\beta$ and is translocated to the plasma membrane in response to isoproterenol and carbachol. <i>Journal of Cellular Physiology</i> , <b>2003</b> , 195, 151-7	7	49
40	Molecular determinants for G protein $\beta$ modulation of ionotropic glycine receptors. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 39300-7	5.4	48
39	Molecular requirements for ethanol differential allosteric modulation of glycine receptors based on selective G $\beta$ modulation. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 30203-13	5.4	40
38	Synaptic failure and adenosine triphosphate imbalance induced by amyloid- $\beta$ aggregates are prevented by blueberry-enriched polyphenols extract. <i>Journal of Neuroscience Research</i> , <b>2011</b> , 89, 1499-508	4.4	35
37	ATP leakage induces P2XR activation and contributes to acute synaptic excitotoxicity induced by soluble oligomers of $\beta$ amyloid peptide in hippocampal neurons. <i>Neuropharmacology</i> , <b>2016</b> , 100, 116-23	5.5	32
36	PAMAM-grafted TiO <sub>2</sub> nanotubes as novel versatile materials for drug delivery applications. <i>Materials Science and Engineering C</i> , <b>2016</b> , 65, 164-71	8.3	31
35	Synaptic silencing and plasma membrane dyshomeostasis induced by amyloid- $\beta$ peptide are prevented by <i>Aristolochia chilensis</i> enriched extract. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 31, 879-89	4.3	29
34	Functional modulation of glycine receptors by the alkaloid gelsemine. <i>British Journal of Pharmacology</i> , <b>2016</b> , 173, 2263-77	8.6	25
33	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> , <b>2018</b> , 128, 366-378	5.5	24
32	Partially PEGylated PAMAM dendrimers as solubility enhancers of Silybin. <i>Pharmaceutical Development and Technology</i> , <b>2018</b> , 23, 689-696	3.4	21
31	Cytotoxicity and in vivo plasma kinetic behavior of surface-functionalized PAMAM dendrimers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 2227-2234	6	21
30	G $\alpha$ levels regulate <i>Xenopus laevis</i> oocyte maturation. <i>Molecular Reproduction and Development</i> , <b>2002</b> , 63, 104-9	2.6	21
29	Prevention of Synaptic Alterations and Neurotoxic Effects of PAMAM Dendrimers by Surface Functionalization. <i>Nanomaterials</i> , <b>2017</b> , 8,	5.4	20
28	Blockade of ethanol-induced potentiation of glycine receptors by a peptide that interferes with G $\beta$ binding. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2009</b> , 331, 933-9	4.7	19
27	Mechanism of PAMAM Dendrimers Internalization in Hippocampal Neurons. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 3395-3403	5.6	18
26	Inhibitory effects of tutin on glycine receptors in spinal neurons. <i>European Journal of Pharmacology</i> , <b>2007</b> , 559, 61-4	5.3	18
25	Ethanol effects on glycinergic transmission: From molecular pharmacology to behavior responses. <i>Pharmacological Research</i> , <b>2015</b> , 101, 18-29	10.2	17

24	Evidence for $\beta$ helices in the large intracellular domain mediating modulation of the $\alpha$ -glycine receptor by ethanol and GABA. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 352, 148-55	4.7	16
23	A Gbetagamma stimulated adenylyl cyclase is involved in <i>Xenopus laevis</i> oocyte maturation. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 202, 223-9	7	15
22	Modulation of neuronal nicotinic receptor by quinolizidine alkaloids causes neuroprotection on a cellular Alzheimer model. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 42, 143-55	4.3	13
21	Inhibition of the ethanol-induced potentiation of $\alpha$ glycine receptor by a small peptide that interferes with GABA binding. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 40713-21	5.4	13
20	Potentiation and inhibition of glycine receptors by tutin. <i>Neuropharmacology</i> , <b>2011</b> , 60, 453-9	5.5	12
19	Dendrimer nanocarriers drug action: perspective for neuronal pharmacology. <i>Neural Regeneration Research</i> , <b>2015</b> , 10, 1029-31	4.5	12
18	Changes in PGC-1 $\alpha$ /SIRT1 Signaling Impact on Mitochondrial Homeostasis in Amyloid-Beta Peptide Toxicity Model. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 709	5.6	10
17	PAMAM-Conjugated Alumina Nanotubes as Novel Noncytotoxic Nanocarriers with Enhanced Drug Loading and Releasing Performances. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1712-1722	2.6	10
16	Polyamido amine (PAMAM)-grafted magnetic nanotubes as emerging platforms for the delivery and sustained release of silibinin. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 9269-9281	4.3	8
15	Modulation of glycine receptor single-channel conductance by intracellular phosphorylation. <i>Scientific Reports</i> , <b>2020</b> , 10, 4804	4.9	8
14	Historical and current perspectives of neuroactive compounds derived from Latin America. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2006</b> , 6, 997-1008	3.2	7
13	Reversal of Ethanol-induced Intoxication by a Novel Modulator of GABA Protein Potentiation of the Glycine Receptor. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 18791-8	5.4	6
12	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> , <b>2011</b> , 59, 161-5	1.9	6
11	S111N mutation in the helical domain of human Gs( $\alpha$ ) reduces its GDP/GTP exchange rate. <i>Journal of Cellular Biochemistry</i> , <b>2002</b> , 85, 615-20	4.7	6
10	Mechanism-Based Rational Discovery and Evaluation of Novel Microtubule Stabilizing Agents with Non-Taxol-Competitive Activity. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 3204-3213	6.1	4
9	Inhibitory Actions of Tropeines on the $\beta$ Glycine Receptor Function. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 331	5.6	3
8	Visible-light-responsive folate-conjugated titania and alumina nanotubes for photodynamic therapy applications. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 6976-6991	4.3	3
7	Polyamidoamine-based nanovector for the efficient delivery of methotrexate to U87 glioma cells. <i>Nanomedicine</i> , <b>2020</b> , 15, 2771-2784	5.6	3

6	17 Oxo Sparteine and Lupanine, Obtained from <i>Cytisus scoparius</i> , Exert a Neuroprotection against Soluble Oligomers of Amyloid- $\beta$ Toxicity by Nicotinic Acetylcholine Receptors. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 67, 343-356	4.3	3
5	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> , <b>1997</b> , 118, 633-637	2.3	2
4	The C2 cytosolic loop of adenylyl cyclase interacts with the activated form of G alpha s. <i>FEBS Letters</i> , <b>1998</b> , 441, 437-40	3.8	1
3	Polyamidoamine dendrimers of the third generation chlorin e6 nanoconjugates: Nontoxic hybrid polymers with photodynamic activity. <i>Journal of Applied Polymer Science</i> , 51835	2.9	0
2	Rational Design and Evaluation of Novel Peptides Binding to Neuroligin-1 for Synaptic Targeting. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 995-1004	6.1	0
1	Stereospecific Inhibition of Ethanol Potentiation on Glycine Receptor by M554 Stereoisomers. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 6634-6641	6.1	