Leonardo GuzmÃ¡n

List of Publications by Year
in descending order

41 papers	814 citations	430874 18 h-index	526287 27 g-index
41 all docs	41 docs citations	41 times ranked	1086 citing authors

#	Article	IF	Citations
1	Polyamidoamine dendrimers of the third generationâ€“chlorin e6 nanoconjugates: Nontoxic hybrid polymers with photodynamic activity. Journal of Applied Polymer Science, 2022, 139, 51835.	2.6	5
2	Rational Design and In Vitro Evaluation of Novel Peptides Binding to Neuroligin-1 for Synaptic Targeting. Journal of Chemical Information and Modeling, 2020, 60, 995-1004.	5.4	2
3	Polyamidoamine-based nanovector for the efficient delivery of methotrexate to U87 glioma cells. Nanomedicine, 2020, 15, 2771-2784.	3.3	9
4	Stereospecific Inhibition of Ethanol Potentiation on Glycine Receptor by M554 Stereoisomers. Journal of Chemical Information and Modeling, 2020, 60, 6634-6641.	5.4	0
5	Changes in PGCâ€1Î±/SIRT1 Signaling Impact on Mitochondrial Homeostasis in Amyloid-Beta Peptide Toxicity Model. Frontiers in Pharmacology, 2020, 11, 709.	3.5	27
6	Modulation of glycine receptor single-channel conductance by intracellular phosphorylation. Scientific Reports, 2020, 10, 4804.	3.3	14
7	Visible-light-responsive folate-conjugated titania and alumina nanotubes for photodynamic therapy applications. Journal of Materials Science, 2020, 55, 6976-6991.	3.7	5
8	Mechanism-Based Rational Discovery and <i>In Vitro</i> Evaluation of Novel Microtubule Stabilizing Agents with Non-Taxol-Competitive Activity. Journal of Chemical Information and Modeling, 2020, 60, 3204-3213.	5.4	6
9	Inhibitory Actions of Tropeines on the Î±3 Glycine Receptor Function. Frontiers in Pharmacology, 2019, 10, 331.	3.5	4
10	17 Oxo Sparteine and Lupanine, Obtained from Cytisus scoparius, Exert a Neuroprotection against Soluble Oligomers of Amyloid-Î² Toxicity by Nicotinic Acetylcholine Receptors. Journal of Alzheimer's Disease, 2019, 67, 343-356.	2.6	8
11	Partially PEGylated PAMAM dendrimers as solubility enhancers of Silybin. Pharmaceutical Development and Technology, 2018, 23, 689-696.	2.4	32
12	P2X receptor overexpression induced by soluble oligomers of amyloid beta peptide potentiates synaptic failure and neuronal dyshomeostasis in cellular models of Alzheimer's disease. Neuropharmacology, 2018, 128, 366-378.	4.1	34
13	Cytotoxicity and in vivo plasma kinetic behavior of surface-functionalized PAMAM dendrimers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2227-2234.	3.3	27
14	Prevention of Synaptic Alterations and Neurotoxic Effects of PAMAM Dendrimers by Surface Functionalization. Nanomaterials, 2018, 8, 7.	4.1	30
15	Polyamido amine (PAMAM)-grafted magnetic nanotubes as emerging platforms for the delivery and sustained release of silibinin. Journal of Materials Science, 2017, 52, 9269-9281.	3.7	12
16	PAMAMâ€Conjugated Alumina Nanotubes as Novel Noncytotoxic Nanocarriers with Enhanced Drug Loading and Releasing Performances. Macromolecular Chemistry and Physics, 2016, 217, 1712-1722.	2.2	11
17	PAMAM-grafted TiO2 nanotubes as novel versatile materials for drug delivery applications. Materials Science and Engineering C, 2016, 65, 164-171.	7.3	38
18	Mechanism of PAMAM Dendrimers Internalization in Hippocampal Neurons. Molecular Pharmaceutics, 2016, 13, 3395-3403.	4.6	24

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19	Reversal of Ethanol-induced Intoxication by a Novel Modulator of GÎ²Î³ Protein Potentiation of the Glycine Receptor. Journal of Biological Chemistry, 2016, 291, 18791-18798.	3.4	6
20	Functional modulation of glycine receptors by the alkaloid gelsemine. British Journal of Pharmacology, 2016, 173, 2263-2277.	5.4	38
21	ATP leakage induces P2XR activation and contributes to acute synaptic excitotoxicity induced by soluble oligomers of Î²-amyloid peptide in hippocampal neurons. Neuropharmacology, 2016, 100, 116-123.	4.1	42
22	Ethanol effects on glycinergic transmission: From molecular pharmacology to behavior responses. Pharmacological Research, 2015, 101, 18-29.	7.1	26
23	Evidence for <i>Î±</i>-Helices in the Large Intracellular Domain Mediating Modulation of the <i>Î±</i>1-Glycine Receptor by Ethanol and G<i>Î²Î³</i>. Journal of Pharmacology and Experimental Therapeutics, 2015, 352, 148-155.	2.5	18
24	Dendrimer nanocarriers drug action: perspective for neuronal pharmacology. Neural Regeneration Research, 2015, 10, 1029.	3.0	14
25	Modulation of Neuronal Nicotinic Receptor by Quinolizidine Alkaloids Causes Neuroprotection on a Cellular Alzheimer Model. Journal of Alzheimer's Disease, 2014, 42, 143-155.	2.6	15
26	Inhibition of the Ethanol-induced Potentiation of Î±1 Glycine Receptor by a Small Peptide That Interferes with GÎ²Î³ Binding. Journal of Biological Chemistry, 2012, 287, 40713-40721.	3.4	16
27	Synaptic Silencing and Plasma Membrane Dyshomeostasis Induced by Amyloid-Î² Peptide are Prevented by Aristotelia chilensis Enriched Extract. Journal of Alzheimer's Disease, 2012, 31, 879-889.	2.6	32
28	Potentiation and inhibition of glycine receptors by tutin. Neuropharmacology, 2011, 60, 453-459.	4.1	14
29	Inhibitory Activities on Mammalian Central Nervous System Receptors and Computational Studies of Three Sesquiterpene Lactones from Coriaria ruscifolia subsp. ruscifolia. Chemical and Pharmaceutical Bulletin, 2011, 59, 161-165.	1.3	8
30	Synaptic failure and adenosine triphosphate imbalance induced by amyloidâ€Î² aggregates are prevented by blueberryâ€enriched polyphenols extract. Journal of Neuroscience Research, 2011, 89, 1499-1508.	2.9	42
31	Molecular Requirements for Ethanol Differential Allosteric Modulation of Glycine Receptors Based on Selective GÎ²Î³ Modulation. Journal of Biological Chemistry, 2010, 285, 30203-30213.	3.4	44
32	Blockade of Ethanol-Induced Potentiation of Glycine Receptors by a Peptide That Interferes with GÎ²Î³ Binding. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 933-939.	2.5	22
33	Inhibitory effects of tutin on glycine receptors in spinal neurons. European Journal of Pharmacology, 2007, 559, 61-64.	3.5	21
34	Historical and Current Perspectives of Neuroactive Compounds Derived from Latin America. Mini-Reviews in Medicinal Chemistry, 2006, 6, 997-1008.	2.4	8
35	Molecular Determinants for G Protein Î²Î³ Modulation of Ionotropic Glycine Receptors. Journal of Biological Chemistry, 2006, 281, 39300-39307.	3.4	54
36	A GÎ²Î³ stimulated adenylyl cyclase is involved inxenopus laevisoocyte maturation. Journal of Cellular Physiology, 2005, 202, 223-229.	4.1	16

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37	Human brain synembryn interacts with GsÎ± and GqÎ± and is translocated to the plasma membrane in response to isoproterenol and carbachol. Journal of Cellular Physiology, 2003, 195, 151-157.	4.1	56
38	S111N mutation in the helical domain of human GsÎ± reduces its GDP/GTP exchange rate. Journal of Cellular Biochemistry, 2002, 85, 615-620.	2.6	9
39	GÎ±s levels regulateXenopus laevisoocyte maturation. Molecular Reproduction and Development, 2002, 63, 104-109.	2.0	22
40	The C2cytosolic loop of adenylyl cyclase interacts with the activated form of GÎ±s. FEBS Letters, 1998, 441, 437-440.	2.8	1
41	Chemical Modification of Genypterus maculatus Arginase by Woodward's Reagent K and Diethyl Pyrocarbonate: Evidence for an Essential Carboxylate and a Nonessential, Albeit Important Histidine Residue. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 118, 633-637.	1.6	2