

Gloria Patricia Cardona-Gomez

List of Publications by Year in descending order

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79
papers

3,786
citations

185998

28
h-index

133063

59
g-index

84
all docs

84
docs citations

84
times ranked

4949
citing authors

#	ARTICLE	IF	CITATIONS
1	The flavonoid quercetin ameliorates Alzheimer's disease pathology and protects cognitive and emotional function in aged triple transgenic Alzheimer's disease model mice. <i>Neuropharmacology</i> , 2015, 93, 134-145.	2.0	334
2	Astrocytic modulation of blood brain barrier: perspectives on Parkinson's disease. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 211.	1.8	321
3	Estradiol upregulates Bcl-2 expression in adult brain neurons. <i>NeuroReport</i> , 1998, 9, 593-597.	0.6	244
4	The Role of Astrocytes in Neuroprotection after Brain Stroke: Potential in Cell Therapy. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 88.	1.4	201
5	Estradiol inhibits GSK3 and regulates interaction of estrogen receptors, GSK3, and beta-catenin in the hippocampus. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 363-373.	1.0	186
6	Interactions of estrogens and insulin-like growth factor-I in the brain: implications for neuroprotection. <i>Brain Research Reviews</i> , 2001, 37, 320-334.	9.1	152
7	Silencing of CDK5 Reduces Neurofibrillary Tangles in Transgenic Alzheimer's Mice. <i>Journal of Neuroscience</i> , 2010, 30, 13966-13976.	1.7	152
8	Insulin-like growth factor I receptors and estrogen receptors colocalize in female rat brain. <i>Neuroscience</i> , 2000, 99, 751-760.	1.1	143
9	Interactions of estrogen and insulin-like growth factor-I in the brain: molecular mechanisms and functional implications. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 83, 211-217.	1.2	109
10	Protection after stroke: cellular effectors of neurovascular unit integrity. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 231.	1.8	108
11	Linalool reverses neuropathological and behavioral impairments in old triple transgenic Alzheimer's mice. <i>Neuropharmacology</i> , 2016, 102, 111-120.	2.0	105
12	Synergistic interaction of estradiol and insulin-like growth factor-I in the activation of PI3K/Akt signaling in the adult rat hypothalamus. <i>Molecular Brain Research</i> , 2002, 107, 80-88.	2.5	102
13	Insulin-like growth factor-I receptors and estrogen receptors interact in the promotion of neuronal survival and neuroprotection. <i>Journal of Neurocytology</i> , 2000, 29, 425-437.	1.6	90
14	CA1 Hippocampal Neuronal Loss in Familial Alzheimer's Disease Presenilin-1 E280A Mutation Is Related to Epilepsy. <i>Epilepsia</i> , 2004, 45, 751-756.	2.6	65
15	Sex Steroids and the Brain: Lessons from Animal Studies. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2000, 13, 1045-66.	0.4	64
16	Estradiol and progesterone regulate the expression of insulin-like growth factor-I receptor and insulin-like growth factor binding protein-2 in the hypothalamus of adult female rats. , 2000, 43, 269-281.		63
17	Preventive Effect of Quercetin in a Triple Transgenic Alzheimer's Disease Mice Model. <i>Molecules</i> , 2019, 24, 2287.	1.7	63
18	Estrogen receptors and insulin-like growth factor-I receptors mediate estrogen-dependent synaptic plasticity. <i>NeuroReport</i> , 2000, 11, 1735-1738.	0.6	58

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19	Neuroprotective activity and acetylcholinesterase inhibition of five Amaryllidaceae species: A comparative study. <i>Life Sciences</i> , 2015, 122, 42-50.	2.0	57
20	CDK5 Knockdown Prevents Hippocampal Degeneration and Cognitive Dysfunction Produced by Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1937-1949.	2.4	57
21	ROCK inhibition prevents tau hyperphosphorylation and p25/CDK5 increase after global cerebral ischemia.. <i>Behavioral Neuroscience</i> , 2011, 125, 465-472.	0.6	43
22	p120 catenin/ β -catenin are molecular targets in the neuroprotection and neuronal plasticity mediated by atorvastatin after focal cerebral ischemia. <i>Journal of Neuroscience Research</i> , 2010, 88, 3621-3634.	1.3	42
23	Atorvastatin requires geranylgeranyl transferase-I and Rac1 activation to exert neuronal protection and induce plasticity. <i>Neurochemistry International</i> , 2013, 62, 433-445.	1.9	41
24	CDK5 knockdown in astrocytes provide neuroprotection as a trophic source via Rac1. <i>Molecular and Cellular Neurosciences</i> , 2015, 68, 151-166.	1.0	39
25	Role of Liver X Receptor in AD Pathophysiology. <i>PLoS ONE</i> , 2015, 10, e0145467.	1.1	36
26	Atorvastatin Modulates Regulatory T Cells and Attenuates Cerebral Damage in a Model of Transient Middle Cerebral Artery Occlusion in Rats. <i>Journal of NeuroImmune Pharmacology</i> , 2017, 12, 152-162.	2.1	33
27	Long- and short-term CDK5 knockdown prevents spatial memory dysfunction and tau pathology of triple transgenic Alzheimer's mice. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 243.	1.7	32
28	p35 and Rac1 underlie the neuroprotection and cognitive improvement induced by CDK5 silencing. <i>Journal of Neurochemistry</i> , 2015, 134, 354-370.	2.1	32
29	Targeting CDK5 post-stroke provides long-term neuroprotection and rescues synaptic plasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 2208-2223.	2.4	31
30	Changes in the hippocampal and peripheral phospholipid profiles are associated with neurodegeneration hallmarks in a long-term global cerebral ischemia model: Attenuation by Linalool. <i>Neuropharmacology</i> , 2018, 135, 555-571.	2.0	31
31	GluN2B N-methyl-D-aspartic acid receptor subunit mediates atorvastatin-induced neuroprotection after focal cerebral ischemia. <i>Journal of Neuroscience Research</i> , 2014, 92, 1529-1548.	1.3	30
32	Inverse Phosphatidylcholine/Phosphatidylinositol Levels as Peripheral Biomarkers and Phosphatidylcholine/Lysophosphatidylethanolamine-Phosphatidylserine as Hippocampal Indicator of Postischemic Cognitive Impairment in Rats. <i>Frontiers in Neuroscience</i> , 2018, 12, 989.	1.4	30
33	CDK5 downregulation enhances synaptic plasticity. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 153-172.	2.4	28
34	Multifunctional magnetite nanoparticles to enable delivery of siRNA for the potential treatment of Alzheimer's. <i>Drug Delivery</i> , 2020, 27, 864-875.	2.5	28
35	Rac1 activity changes are associated with neuronal pathology and spatial memory long-term recovery after global cerebral ischemia. <i>Neurochemistry International</i> , 2010, 57, 762-773.	1.9	27
36	Liver X Receptor Agonist Modifies the DNA Methylation Profile of Synapse and Neurogenesis-Related Genes in the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Molecular Neuroscience</i> , 2016, 58, 243-253.	1.1	27

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37	Differential Pattern of Phospholipid Profile in the Temporal Cortex from E280A-Familial and Sporadic Alzheimer's Disease Brains. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 209-219.	1.2	27
38	LXR activation protects hippocampal microvasculature in very old triple transgenic mouse model of Alzheimer's disease. <i>Neuroscience Letters</i> , 2016, 621, 15-21.	1.0	25
39	Recovery of Neurovascular Unit Integrity by CDK5-KD Astrocyte Transplantation in a Global Cerebral Ischemia Model. <i>Molecular Neurobiology</i> , 2018, 55, 8563-8585.	1.9	24
40	Extracellular Vesicles From 3xTg-AD Mouse and Alzheimer's Disease Patient Astrocytes Impair Neuroglial and Vascular Components. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 593927.	1.7	24
41	Silencing of CDK5 as potential therapy for Alzheimer's disease. <i>Reviews in the Neurosciences</i> , 2011, 22, 143-52.	1.4	23
42	Cyclin-dependent kinase 5, a node protein in diminished tauopathy: a systems biology approach. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 232.	1.7	23
43	Comparative analysis of autophagy and tauopathy related markers in cerebral ischemia and Alzheimer's disease animal models. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 84.	1.7	23
44	Neuroprotection Induced by Transplanted CDK5 Knockdown Astrocytes in Global Cerebral Ischemic Rats. <i>Molecular Neurobiology</i> , 2017, 54, 6681-6696.	1.9	22
45	Bexarotene therapy ameliorates behavioral deficits and induces functional and molecular changes in very-old Triple Transgenic Mice model of Alzheimer's disease. <i>PLoS ONE</i> , 2019, 14, e0223578.	1.1	22
46	Amaryllidaceae alkaloids as agents with protective effects against oxidative neural cell injury. <i>Life Sciences</i> , 2018, 203, 54-65.	2.0	21
47	Cyclin-Dependent kinase 5 targeting prevents β -Amyloid aggregation involving glycogen synthase kinase β and phosphatases. <i>Journal of Neuroscience Research</i> , 2015, 93, 1258-1266.	1.3	20
48	BACE1 RNAi Restores the Composition of Phosphatidylethanolamine-Derivates Related to Memory Improvement in Aged 3xTg-AD Mice. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 260.	1.8	20
49	Estrogen dissociates Tau and alpha-amino-3-hydroxy-5-methylisoxazole-4-propionic acid receptor subunit in postischemic hippocampus. <i>NeuroReport</i> , 2006, 17, 1337-1341.	0.6	19
50	β -Secretase 1 Targeting Reduces Hyperphosphorylated Tau, Implying Autophagy Actors in 3xTg-AD Mice. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 498.	1.8	19
51	Effects of biflavonoids from <i>Garcinia madruno</i> on a triple transgenic mouse model of Alzheimer's disease. <i>Pharmacological Research</i> , 2018, 129, 128-138.	3.1	18
52	High fructose diet-induced obesity worsens post-ischemic brain injury in the hippocampus of female rats. <i>Nutritional Neuroscience</i> , 2022, 25, 122-136.	1.5	18
53	Neural differentiation of transplanted neural stem cells in a rat model of striatal lacunar infarction: light and electron microscopic observations. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 30.	1.8	17
54	Differential Profile of Systemic Extracellular Vesicles From Sporadic and Familial Alzheimer's Disease Leads to Neuroglial and Endothelial Cell Degeneration. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 587989.	1.7	16

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55	Estradiol Upregulates Progesterone Receptor and Orphanin FQ Colocalization in Arcuate Nucleus Neurons and Opioid Receptor-Like Receptor-1 Expression in Proopiomelanocortin Neurons That Project to the Medial Preoptic Nucleus in the Female Rat. <i>Neuroendocrinology</i> , 2014, 100, 103-118.	1.2	15
56	Interactions of Insulin-Like Growth Factor-I and Estrogen in the Brain. , 2005, 567, 285-303.		14
57	Microglial-targeting induced by intranasal linalool during neurological protection postischemia. <i>European Journal of Pharmacology</i> , 2019, 857, 172420.	1.7	14
58	Decrease of Tau Hyperphosphorylation by 17 β Estradiol Requires Sphingosine Kinase in a Glutamate Toxicity Model. <i>Neurochemical Research</i> , 2009, 34, 2206-2214.	1.6	12
59	Neuroprotection and improvement of the histopathological and behavioral impairments in a murine Alzheimer's model treated with <i>Zephyranthes carinata</i> alkaloids. <i>Biomedicine and Pharmacotherapy</i> , 2019, 110, 482-492.	2.5	12
60	Common disbalance in the brain parenchyma of dementias: Phospholipid profile analysis between CADASIL and sporadic Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165797.	1.8	12
61	Perspective of synaptic protection after post-infarction treatment with statins. <i>Journal of Translational Medicine</i> , 2015, 13, 118.	1.8	11
62	Beta-Secretase 1 Underlies Reactive Astrocytes and Endothelial Disruption in Neurodegeneration. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 656832.	1.8	11
63	La atorvastatina protege las neuronas GABA $\text{\r{e}}\text{\u00b0}$ rgicas y dopamin $\text{\r{e}}\text{\u00b0}$ rgicas del sistema nigroestriatal en un modelo experimental de isquemia cerebral focal transitoria en ratas. <i>Biomedica</i> , 2013, 34, .	0.3	10
64	Dementia, Preclinical Studies in Neurodegeneration and its Potential for Translational Medicine in South America. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 304.	1.7	10
65	p120 $\text{\r{e}}\text{\u00e9}$ atenin is necessary for neuroprotection induced by $\text{\textless scp\textgreater}$ CDK $\text{\textless scp\textgreater}$ 5 silencing in models of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2016, 138, 624-639.	2.1	9
66	Targeting CDK5 in Astrocytes Promotes Calcium Homeostasis Under Excitotoxic Conditions. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 643717.	1.8	7
67	An $\text{\r{a}}$ lisis comparativo de marcadores de lesi $\text{\r{a}}$ n en modelos de isquemia cerebral focal y global en ratas. <i>Biomedica</i> , 2012, 33, .	0.3	6
68	Glycogen synthase kinase $\text{\r{e}}\text{\u00b0}$ 2 $\text{\r{e}}\text{\u00e9}$ atenin signaling in the rat hypothalamus during the estrous cycle. <i>Journal of Neuroscience Research</i> , 2012, 90, 1078-1084.	1.3	6
69	CDK5 Targeting as a Therapy for Recovering Neurovascular Unit Integrity in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 82, S141-S161.	1.2	6
70	Down-regulation of Bcl-2 in rat substantia nigra after focal cerebral ischemia. <i>NeuroReport</i> , 2004, 15, 1437-1441.	0.6	5
71	Neurogenesis and gliogenesis modulation in cerebral ischemia by CDK5 RNAi-based therapy. <i>Biomedica</i> , 2018, 38, 388-397.	0.3	5
72	cPLA2 and desaturases underlie the tau hyperphosphorylation offset induced by BACE knock-down in neuronal primary cultures. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3696-3707.	1.8	4

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73	Considering risk factors for the effectiveness of translational therapies in brain stroke. Journal of the Neurological Sciences, 2020, 408, 116547.	0.3	2
74	Lasting metabolic effect of a high-fructose diet on global cerebral ischemia. Nutritional Neuroscience, 2022, 25, 1159-1172.	1.5	2
75	Amaryllidaceae alkaloids and neuronal cell protection. , 2020, , 135-144.		1
76	Gene Therapy for Cognitive Recovering After Ischemic Stroke. Springer Series in Translational Stroke Research, 2018, , 259-280.	0.1	1
77	Glial Cells are Involved in Organizational and Activational Effects of Sex Hormones in the Brain. , 1999, , .		1
78	Linalool as a therapeutic agent in neurodegeneration. Planta Medica, 2016, 81, S1-S381.	0.7	1
79	Terapia génica en enfermedades neurodegenerativas y demencia post infarto cerebral: perspectiva de traslación. Revista De La Academia Colombiana De Ciencias Exactas, Físicas Y Naturales, 2017, 41, 6.	0.0	0