Cheril Tapia-Rojas

List of Publications by Year
in descending order

166 papers	11,945 citations	23567 58 h-index	30922 102 g-index
170 all docs	170 docs citations	170 times ranked	12560 citing authors

#	Article	IF	Citations
1	Acetylcholinesterase Accelerates Assembly of Amyloid-Î²-Peptides into Alzheimer's Fibrils: Possible Role of the Peripheral Site of the Enzyme. Neuron, 1996, 16, 881-891.	8.1	1,032
2	Emerging roles of Wnts in the adult nervous system. Nature Reviews Neuroscience, 2010, 11, 77-86.	10.2	558
3	A Structural Motif of Acetylcholinesterase That Promotes Amyloid Î²-Peptide Fibril Formationâ€. Biochemistry, 2001, 40, 10447-10457.	2.5	385
4	The role of oxidative stress in the toxicity induced by amyloid Î²-peptide in Alzheimerâ€™s disease. Progress in Neurobiology, 2000, 62, 633-648.	5.7	347
5	Wnt signaling function in Alzheimerâ€™s disease. Brain Research Reviews, 2000, 33, 1-12.	9.0	275
6	Stable Complexes Involving Acetylcholinesterase and Amyloid-Î² Peptide Change the Biochemical Properties of the Enzyme and Increase the Neurotoxicity of Alzheimerâ€™s Fibrils. Journal of Neuroscience, 1998, 18, 3213-3223.	3.6	264
7	Wnt signaling in the nervous system and in Alzheimer's disease. Journal of Molecular Cell Biology, 2014, 6, 64-74.	3.3	260
8	Wnt-7a Modulates the Synaptic Vesicle Cycle and Synaptic Transmission in Hippocampal Neurons. Journal of Biological Chemistry, 2008, 283, 5918-5927.	3.4	205
9	WNT signaling in neuronal maturation and synaptogenesis. Frontiers in Cellular Neuroscience, 2013, 7, 103.	3.7	204
10	Wnt-3a overcomes Î²-amyloid toxicity in rat hippocampal neurons. Experimental Cell Research, 2004, 297, 186-196.	2.6	203
11	Wnt-5a/JNK Signaling Promotes the Clustering of PSD-95 in Hippocampal Neurons. Journal of Biological Chemistry, 2009, 284, 15857-15866.	3.4	187
12	Wingless-type family member 5A (Wnt-5a) stimulates synaptic differentiation and function of glutamatergic synapses. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21164-21169.	7.1	185
13	Non-canonical function of IRE1Î± determines mitochondria-associated endoplasmic reticulum composition to control calcium transfer and bioenergetics. Nature Cell Biology, 2019, 21, 755-767.	10.3	168
14	Wnt Signaling: Role in Alzheimer Disease and Schizophrenia. Journal of NeuroImmune Pharmacology, 2012, 7, 788-807.	4.1	165
15	The role of Wnt signaling in neuronal dysfunction in Alzheimer's Disease. Molecular Neurodegeneration, 2008, 3, 9.	10.8	164
16	Wnt signaling in the regulation of adult hippocampal neurogenesis. Frontiers in Cellular Neuroscience, 2013, 7, 100.	3.7	151
17	Regulation of Memory Formation by the Transcription Factor XBP1. Cell Reports, 2016, 14, 1382-1394.	6.4	142
18	STI571 prevents apoptosis, tau phosphorylation and behavioural impairments induced by Alzheimer's Î²-amyloid deposits. Brain, 2008, 131, 2425-2442.	7.6	136

#	Article	IF	Citations
19	Regulation of NMDA-Receptor Synaptic Transmission by Wnt Signaling. Journal of Neuroscience, 2011, 31, 9466-9471.	3.6	136
20	Itâ€™s all about tau. Progress in Neurobiology, 2019, 175, 54-76.	5.7	134
21	Interactions of AChE with A? Aggregates in Alzheimer?s Brain: Therapeutic Relevance of IDN 5706. Frontiers in Molecular Neuroscience, 2011, 4, 19.	2.9	132
22	Synthesis and Multitarget Biological Profiling of a Novel Family of Rhein Derivatives As Disease-Modifying Anti-Alzheimer Agents. Journal of Medicinal Chemistry, 2014, 57, 2549-2567.	6.4	132
23	Acetylcholinesterase-AÎ² Complexes Are More Toxic than AÎ² Fibrils in Rat Hippocampus. American Journal of Pathology, 2004, 164, 2163-2174.	3.8	128
24	Voluntary Running Attenuates Memory Loss, Decreases Neuropathological Changes and Induces Neurogenesis in a Mouse Model of <scp>A</scp>lzheimer's Disease. Brain Pathology, 2016, 26, 62-74.	4.1	128
25	Structure and function of amyloid in Alzheimer's disease. Progress in Neurobiology, 2004, 74, 323-349.	5.7	126
26	Signaling pathway cross talk in Alzheimerâ€™s disease. Cell Communication and Signaling, 2014, 12, 23.	6.5	126
27	<i>In vivo</i>Activation of<i>Wnt</i>Signaling Pathway Enhances Cognitive Function of Adult Mice and Reverses Cognitive Deficits in an Alzheimer's Disease Model. Journal of Neuroscience, 2014, 34, 2191-2202.	3.6	125
28	Wnt signalling in neuronal differentiation and development. Cell and Tissue Research, 2015, 359, 215-223.	2.9	123
29	Epigenetic editing of the Dlg4/PSD95 gene improves cognition in aged and Alzheimerâ€™s disease mice. Brain, 2017, 140, 3252-3268.	7.6	121
30	Postsynaptic dysfunction is associated with spatial and object recognition memory loss in a natural model of Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13835-13840.	7.1	113
31	Wnt-5a Modulates Recycling of Functional GABAA Receptors on Hippocampal Neurons. Journal of Neuroscience, 2010, 30, 8411-8420.	3.6	112
32	Trolox and 17Î²-Estradiol Protect against Amyloid Î²-Peptide Neurotoxicity by a Mechanism That Involves Modulation of the Wnt Signaling Pathway. Journal of Biological Chemistry, 2005, 280, 11615-11625.	3.4	109
33	Wnt-5aoccludes AÎ² oligomer-induced depression of glutamatergic transmission in hippocampal neurons. Molecular Neurodegeneration, 2010, 5, 3.	10.8	107
34	Human-like rodent amyloid-Î²-peptide determines Alzheimer pathology in aged wild-type Octodon degu. Neurobiology of Aging, 2005, 26, 1023-1028.	3.1	106
35	Wnt-7a Induces Presynaptic Colocalization of Â7-Nicotinic Acetylcholine Receptors and Adenomatous Polyposis Coli in Hippocampal Neurons. Journal of Neuroscience, 2007, 27, 5313-5325.	3.6	101
36	Loss of canonical Wnt signaling is involved in the pathogenesis of Alzheimer's disease. Neural Regeneration Research, 2018, 13, 1705.	3.0	100

#	Article	IF	Citations
37	Role of Wnt Signaling in Central Nervous System Injury. Molecular Neurobiology, 2016, 53, 2297-2311.	4.0	99
38	Recent rodent models for Alzheimerâ€™s disease: clinical implications and basic research. Journal of Neural Transmission, 2012, 119, 173-195.	2.8	97
39	Amyloid-Î²-Acetylcholinesterase complexes potentiate neurodegenerative changes induced by the AÎ² peptide. Implications for the pathogenesis of Alzheimer's disease. Molecular Neurodegeneration, 2010, 5, 4.	10.8	96
40	Role of the Wnt receptor Frizzled-1 in presynaptic differentiation and function. Neural Development, 2009, 4, 41.	2.4	95
41	Andrographolide reduces cognitive impairment in young and mature AÎ²PPswe/PS-1 mice. Molecular Neurodegeneration, 2014, 9, 61.	10.8	95
42	Structure-Function Implications in Alzheimers Disease: Effect of Aβ Oligomers at Central Synapses. Current Alzheimer Research, 2008, 5, 233-243.	1.4	91
43	Is Alzheimer's disease related to metabolic syndrome? A Wnt signaling conundrum. Progress in Neurobiology, 2014, 121, 125-146.	5.7	87
44	Peroxisome Proliferator-Activated Receptor (PPAR) Î³ and PPARÎ± Agonists Modulate Mitochondrial Fusion-Fission Dynamics: Relevance to Reactive Oxygen Species (ROS)-Related Neurodegenerative Disorders?. PLoS ONE, 2013, 8, e64019.	2.5	84
45	Wnt signaling involvement in Î²-amyloid-dependent neurodegeneration. Neurochemistry International, 2002, 41, 341-344.	3.8	80
46	Frizzledâ€1 is involved in the neuroprotective effect of Wnt3a against AÎ² oligomers. Journal of Cellular Physiology, 2008, 217, 215-227.	4.1	80
47	<scp>PPARs</scp> in the central nervous system: roles in neurodegeneration and neuroinflammation. Biological Reviews, 2017, 92, 2046-2069.	10.4	80
48	Nicotine Prevents Synaptic Impairment Induced by Amyloid-Î² Oligomers Through Î±7-Nicotinic Acetylcholine Receptor Activation. NeuroMolecular Medicine, 2013, 15, 549-569.	3.4	77
49	Canonical Wnt signaling protects hippocampal neurons from AÎ² oligomers: role of non-canonical Wnt-5a/Ca2+ in mitochondrial dynamics. Frontiers in Cellular Neuroscience, 2013, 7, 97.	3.7	77
50	Is L-methionine a trigger factor for Alzheimerâ€™s-like neurodegeneration?: Changes in AÎ² oligomers, tau phosphorylation, synaptic proteins, Wnt signaling and behavioral impairment in wild-type mice. Molecular Neurodegeneration, 2015, 10, 62.	10.8	77
51	Wnt signaling: Role in LTP, neural networks and memory. Ageing Research Reviews, 2013, 12, 786-800.	10.9	76
52	Calcium/calmodulinâ€dependent protein kinase type IV is a target gene of the <i>Wnt</i>/Î²â€catenin signaling pathway. Journal of Cellular Physiology, 2009, 221, 658-667.	4.1	71
53	Andrographolide activates the canonical Wnt signalling pathway by a mechanism that implicates the non-ATP competitive inhibition of GSK-3Î²: autoregulation of GSK-3Î² <i>inÂvivo</i>. Biochemical Journal, 2015, 466, 415-430.	3.7	68
54	Andrographolide recovers cognitive impairment in a natural model of Alzheimer's disease (Octodon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.1	68

#	Article	IF	Citations
55	Wnt Signaling in the Central Nervous System: New Insights in Health and Disease. Progress in Molecular Biology and Translational Science, 2018, 153, 81-130.	1.7	68
56	Wnt signaling loss accelerates the appearance of neuropathological hallmarks of Alzheimer's disease in J20â€‹<scp>APP</scp> transgenic and wildâ€type mice. Journal of Neurochemistry, 2018, 144, 443-465.	3.9	66
57	Modulating Wnt signaling at the root: Porcupine and Wnt acylation. , 2019, 198, 34-45.		65
58	Tetrahydrohyperforin prevents cognitive deficit, AÎ² deposition, tau phosphorylation and synaptotoxicity in the APPswe/PSEN1Î”E9 model of Alzheimer's disease: a possible effect on APP processing. Translational Psychiatry, 2011, 1, e20-e20.	4.8	62
59	Pathogenicity of Lupus Antiâ€“Ribosomal P Antibodies: Role of Crossâ€Reacting Neuronal Surface P Antigen in Glutamatergic Transmission and Plasticity in a Mouse Model. Arthritis and Rheumatology, 2015, 67, 1598-1610.	5.6	62
60	Inhibition of Wnt signaling induces amyloidogenic processing of amyloid precursor protein and the production and aggregation of Amyloidâ€Î² (AÎ²)₄₂ peptides. Journal of Neurochemistry, 2016, 139, 1175-1191.	3.9	62
61	Premature synaptic mitochondrial dysfunction in the hippocampus during aging contributes to memory loss. Redox Biology, 2020, 34, 101558.	9.0	62
62	How the Wnt signaling pathway protects from neurodegeneration: the mitochondrial scenario. Frontiers in Cellular Neuroscience, 2015, 9, 166.	3.7	61
63	Tetrameric (G₄) Acetylcholinesterase: Structure, Localization, and Physiological Regulation. Journal of Neurochemistry, 1996, 66, 1335-1346.	3.9	60
64	Chronic hypoxia induces the activation of the Wnt/Î²-catenin signaling pathway and stimulates hippocampal neurogenesis in wild-type and APPswe-PS1Î”E9 transgenic mice in vivo. Frontiers in Cellular Neuroscience, 2014, 8, 17.	3.7	60
65	Genetic ablation of tau improves mitochondrial function and cognitive abilities in the hippocampus. Redox Biology, 2018, 18, 279-294.	9.0	60
66	Synaptotoxicity in Alzheimer's Disease: The Wnt Signaling Pathway as a Molecular Target. IUBMB Life, 2007, 59, 316-321.	3.4	58
67	Emerging Synaptic Molecules as Candidates in the Etiology of Neurological Disorders. Neural Plasticity, 2017, 2017, 1-25.	2.2	57
68	Wnt-5a Ligand Modulates Mitochondrial Fission-Fusion in Rat Hippocampal Neurons. Journal of Biological Chemistry, 2014, 289, 36179-36193.	3.4	56
69	Phosphorylated tau potentiates AÎ²-induced mitochondrial damage in mature neurons. Neurobiology of Disease, 2014, 71, 260-269.	4.4	55
70	Fructose consumption reduces hippocampal synaptic plasticity underlying cognitive performance. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2379-2390.	3.8	55
71	Wnt-5a/Frizzled9 Receptor Signaling through the GÎ±o-GÎ²Î³ Complex Regulates Dendritic Spine Formation. Journal of Biological Chemistry, 2016, 291, 19092-19107.	3.4	53
72	Genome-wide identification of new Wnt/Î²-catenin target genes in the human genome using CART method. BMC Genomics, 2010, 11, 348.	2.8	50

#	Article	IF	Citations
73	Adult hippocampal neurogenesis in aging and Alzheimer's disease. Birth Defects Research Part C: Embryo Today Reviews, 2010, 90, 284-296.	3.6	49
74	Peroxisome Proliferators Reduce Spatial Memory Impairment, Synaptic Failure, and Neurodegeneration in Brains of a Double Transgenic Mice Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 33, 941-959.	2.6	49
75	Angiotensin II increases fibronectin and collagen I through the Î²-catenin-dependent signaling in mouse collecting duct cells. American Journal of Physiology - Renal Physiology, 2015, 308, F358-F365.	2.7	49
76	Wntâ€induced activation of glucose metabolism mediates the <i>inÂvivo</i> neuroprotective roles of Wnt signaling in Alzheimer disease. Journal of Neurochemistry, 2019, 149, 54-72.	3.9	49
77	Potential Role of Autonomic Dysfunction in Covid-19 Morbidity and Mortality. Frontiers in Physiology, 2020, 11, 561749.	2.8	49
78	Andrographolide Stimulates Neurogenesis in the Adult Hippocampus. Neural Plasticity, 2015, 2015, 1-13.	2.2	47
79	AlzheimerÃ¢â‚¬â„¢s disease: relevant molecular and physiopathological events affecting amyloid-ÃŽÂ² brain balance and the putative role of PPARs. Frontiers in Aging Neuroscience, 2014, 6, 176.	3.4	46
80	Activation of Wnt Signaling in Cortical Neurons Enhances Glucose Utilization through Glycolysis. Journal of Biological Chemistry, 2016, 291, 25950-25964.	3.4	46
81	Alzheimerâ€™s Disease-Related Protein Expression in the Retina of Octodon degus. PLoS ONE, 2015, 10, e0135499.	2.5	45
82	Discovery of a Potent Dual Inhibitor of Acetylcholinesterase and Butyrylcholinesterase with Antioxidant Activity that Alleviates Alzheimer-like Pathology in Old APP/PS1 Mice. Journal of Medicinal Chemistry, 2021, 64, 812-839.	6.4	45
83	Age Progression of Neuropathological Markers in the Brain of the Chilean Rodent <i>Octodon degus</i>, a Natural Model of <scp>A</scp>lzheimer's Disease. Brain Pathology, 2015, 25, 679-691.	4.1	42
84	Association of Acetylcholinesterase with the cell surface. Journal of Membrane Biology, 1990, 118, 1-9.	2.1	41
85	Wnt Signaling Prevents the Aî² Oligomer-Induced Mitochondrial Permeability Transition Pore Opening Preserving Mitochondrial Structure in Hippocampal Neurons. PLoS ONE, 2017, 12, e0168840.	2.5	41
86	Wnt-5a increases NO and modulates NMDA receptor in rat hippocampal neurons. Biochemical and Biophysical Research Communications, 2014, 444, 189-194.	2.1	39
87	Wnt/TLR Dialog in Neuroinflammation, Relevance in Alzheimerâ€™s Disease. Frontiers in Immunology, 2017, 8, 187.	4.8	39
88	The Hyperforin Derivative IDN5706 Occludes Spatial Memory Impairments and Neuropathological Changes in a Double Transgenic Alzheimers Mouse Model. Current Alzheimer Research, 2010, 7, 126-133.	1.4	38
89	Release of acetylcholinesterase (AChE) from Î²-amyloid plaques assemblies improves the spatial memory impairments in APP-transgenic mice. Chemico-Biological Interactions, 2008, 175, 142-149.	4.0	37
90	Pathologically phosphorylated tau at S396/404 (PHF-1) is accumulated inside of hippocampal synaptic mitochondria of aged Wild-type mice. Scientific Reports, 2021, 11, 4448.	3.3	37

#	Article	IF	Citations
91	Peroxisome Proliferator-activated Receptors and Alzheimer's Disease: Hitting the Bloodâ€“Brain Barrier. Molecular Neurobiology, 2013, 48, 438-451.	4.0	36
92	Wnt3a ligand facilitates autophagy in hippocampal neurons by modulating a novel GSK-3Î²-AMPK axis. Cell Communication and Signaling, 2018, 16, 15.	6.5	36
93	Laminin blocks the assembly of wild-type AÎ² and the Dutch variant peptide into Alzheimer's fibrils. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1998, 5, 16-23.	3.0	34
94	Tetrahydrohyperforin Increases Adult Hippocampal Neurogenesis in Wild-Type and APPswe/PS1Î”E9 Mice. Journal of Alzheimer's Disease, 2013, 34, 873-885.	2.6	34
95	Modulation of Glucose Metabolism in Hippocampal Neurons by Adiponectin and Resistin. Molecular Neurobiology, 2019, 56, 3024-3037.	4.0	34
96	Presymptomatic Treatment With Andrographolide Improves Brain Metabolic Markers and Cognitive Behavior in a Model of Early-Onset Alzheimerâ€™s Disease. Frontiers in Cellular Neuroscience, 2019, 13, 295.	3.7	34
97	Tetrahydrohyperforin Inhibits the Proteolytic Processing of Amyloid Precursor Protein and Enhances Its Degradation by Atg5-Dependent Autophagy. PLoS ONE, 2015, 10, e0136313.	2.5	34
98	Alcohol consumption during adolescence: A link between mitochondrial damage and ethanol brain intoxication. Birth Defects Research, 2017, 109, 1623-1639.	1.5	33
99	Huperzine A and Its Neuroprotective Molecular Signaling in Alzheimerâ€™s Disease. Molecules, 2021, 26, 6531.	3.8	33
100	Frizzled-5 Receptor Is Involved in Neuronal Polarity and Morphogenesis of Hippocampal Neurons. PLoS ONE, 2013, 8, e78892.	2.5	32
101	Brain glucose metabolism: Role of Wnt signaling in the metabolic impairment in Alzheimerâ€™s disease. Neuroscience and Biobehavioral Reviews, 2017, 80, 316-328.	6.1	32
102	Adolescent Binge Alcohol Exposure Affects the Brain Function Through Mitochondrial Impairment. Molecular Neurobiology, 2017, 55, 4473-4491.	4.0	31
103	Possible role of mitochondrial permeability transition pore in the pathogenesis of Huntington disease. Biochemical and Biophysical Research Communications, 2017, 483, 1078-1083.	2.1	31
104	Effect of Alcohol on Hippocampal-Dependent Plasticity and Behavior: Role of Glutamatergic Synaptic Transmission. Frontiers in Behavioral Neuroscience, 2019, 13, 288.	2.0	31
105	Wnt signaling modulates preâ€•and postsynaptic maturation: Therapeutic considerations. Developmental Dynamics, 2010, 239, 94-101.	1.8	30
106	Andrographolide Reduces Neuroinflammation and Oxidative Stress in Aged Octodon degus. Molecular Neurobiology, 2020, 57, 1131-1145.	4.0	30
107	The role of Wnt signaling in neuroprotection. Drug News and Perspectives, 2009, 22, 579.	1.5	30
108	WASP-1, a canonical Wnt signaling potentiator, rescues hippocampal synaptic impairments induced by AÎ² oligomers. Experimental Neurology, 2015, 264, 14-25.	4.1	29

#	Article	IF	Citations
109	Induction of hypothyroidism during early postnatal stages triggers a decrease in cognitive performance by decreasing hippocampal synaptic plasticity. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 870-883.	3.8	28
110	Alcohol impairs hippocampal function: From NMDA receptor synaptic transmission to mitochondrial function. Drug and Alcohol Dependence, 2019, 205, 107628.	3.2	28
111	Effects of long-lasting social isolation and re-socialization on cognitive performance and brain activity: a longitudinal study in Octodon degus. Scientific Reports, 2020, 10, 18315.	3.3	28
112	Wnt-7a Stimulates Dendritic Spine Morphogenesis and PSD-95 Expression Through Canonical Signaling. Molecular Neurobiology, 2019, 56, 1870-1882.	4.0	27
113	Tetrahydrohyperforin Decreases Cholinergic Markers associated with Amyloid-Î² Plaques, 4-Hydroxynonenal Formation, and Caspase-3 Activation in AÎ²PP/PS1 Mice. Journal of Alzheimer's Disease, 2013, 36, 99-118.	2.6	26
114	The increased potassium intake improves cognitive performance and attenuates histopathological markers in a model of Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2630-2644.	3.8	26
115	Identification of Cerebral Metal Ion Imbalance in the Brain of Aging Octodon degus. Frontiers in Aging Neuroscience, 2017, 9, 66.	3.4	26
116	Synaptic Mitochondria: An Early Target of Amyloid-Î² and Tau in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2021, 84, 1391-1414.	2.6	26
117	Frizzled receptors in neurons: From growth cones to the synapse. Cytoskeleton, 2012, 69, 528-534.	2.0	25
118	On cognitive ecology and the environmental factors that promote Alzheimer disease: lessons from Octodon degus (Rodentia: Octodontidae). Biological Research, 2016, 49, 10.	3.4	25
119	Adolescence binge alcohol consumption induces hippocampal mitochondrial impairment that persists during the adulthood. Neuroscience, 2019, 406, 356-368.	2.3	25
120	The soluble extracellular fragment of neuroligin-1 targets AÎ² oligomers to the postsynaptic region of excitatory synapses. Biochemical and Biophysical Research Communications, 2015, 466, 66-71.	2.1	23
121	Wnt Signaling Pathway Dysregulation in the Aging Brain: Lessons From the Octodon degus. Frontiers in Cell and Developmental Biology, 2020, 8, 734.	3.7	23
122	Cognitive impairment in heart failure is associated with altered Wnt signaling in the hippocampus. Aging, 2019, 11, 5924-5942.	3.1	23
123	Environmental control of microRNAs in the nervous system: Implications in plasticity and behavior. Neuroscience and Biobehavioral Reviews, 2016, 60, 121-138.	6.1	22
124	GALECTIN-8 Is a Neuroprotective Factor in the Brain that Can Be Neutralized by Human Autoantibodies. Molecular Neurobiology, 2019, 56, 7774-7788.	4.0	22
125	A novel function for Wnt signaling modulating neuronal firing activity and the temporal structure of spontaneous oscillation in the entorhinalâ€“hippocampal circuit. Experimental Neurology, 2015, 269, 43-55.	4.1	21
126	New Insights into the Spontaneous Human Alzheimerâ€™s Disease-Like Model Octodon degus: Unraveling Amyloid-Î² Peptide Aggregation and Age-Related Amyloid Pathology. Journal of Alzheimer's Disease, 2018, 66, 1145-1163.	2.6	21

#	Article	IF	Citations
127	Palmitic acid reduces the autophagic flux in hypothalamic neurons by impairing autophagosome-lysosome fusion and endolysosomal dynamics. Molecular and Cellular Oncology, 2020, 7, 1789418.	0.7	20
128	<i>Î²</i>-Catenin-Dependent Signaling Pathway Contributes to Renal Fibrosis in Hypertensive Rats. BioMed Research International, 2015, 2015, 1-13.	1.9	18
129	Phosphorylated tau as a toxic agent in synaptic mitochondria: implications in aging and Alzheimerâ€™s disease. Neural Regeneration Research, 2022, 17, 1645.	3.0	18
130	Long-Term, Fructose-Induced Metabolic Syndrome-Like Condition Is Associated with Higher Metabolism, Reduced Synaptic Plasticity and Cognitive Impairment in Octodon degus. Molecular Neurobiology, 2018, 55, 9169-9187.	4.0	16
131	Evidence of Synaptic and Neurochemical Remodeling in the Retina of Aging Degus. Frontiers in Neuroscience, 2020, 14, 161.	2.8	16
132	Wnt5a inhibits K+ currents in hippocampal synapses through nitric oxide production. Molecular and Cellular Neurosciences, 2015, 68, 314-322.	2.2	15
133	Canonical Wnt Signaling Modulates the Expression of Pre- and Postsynaptic Components in Different Temporal Patterns. Molecular Neurobiology, 2020, 57, 1389-1404.	4.0	14
134	Tau Deletion Prevents Cognitive Impairment and Mitochondrial Dysfunction Age Associated by a Mechanism Dependent on Cyclophilin-D. Frontiers in Neuroscience, 2020, 14, 586710.	2.8	14
135	Teneurins and Alzheimerâ€™s disease: A suggestive role for a unique family of proteins. Medical Hypotheses, 2015, 84, 402-407.	1.5	13
136	Tetrahydrohyperforin Induces Mitochondrial Dynamics and Prevents Mitochondrial Ca2+ Overload after AÎ² and AÎ²-AChE Complex Challenge in Rat Hippocampal Neurons. Journal of Alzheimer's Disease, 2013, 37, 735-746.	2.6	12
137	â€œLive together, die aloneâ€: The effect of re-socialization on behavioural performance and social-affective brain-related proteins after a long-term chronic social isolation stress. Neurobiology of Stress, 2021, 14, 100289.	4.0	12
138	The ROR2 tyrosine kinase receptor regulates dendritic spine morphogenesis in hippocampal neurons. Molecular and Cellular Neurosciences, 2015, 67, 22-30.	2.2	11
139	Wnt signaling pathway improves central inhibitory synaptic transmission in a mouse model of Duchenne muscular dystrophy. Neurobiology of Disease, 2016, 86, 109-120.	4.4	11
140	Hormetic-Like Effects of L-Homocysteine on Synaptic Structure, Function, and AÎ² Aggregation. Pharmaceuticals, 2020, 13, 24.	3.8	11
141	Andrographolide restores glucose uptake in rat hippocampal neurons. Journal of Neurochemistry, 2021, 157, 1222-1233.	3.9	11
142	Wnt-related SynGAP1 is a neuroprotective factor of glutamatergic synapses against AÃŽÂ² oligomers. Frontiers in Cellular Neuroscience, 2015, 9, 227.	3.7	10
143	Wnt5a Increases the Glycolytic Rate and the Activity of the Pentose Phosphate Pathway in Cortical Neurons. Neural Plasticity, 2016, 2016, 1-13.	2.2	10
144	Andrographolide promotes hippocampal neurogenesis and spatial memory in the APPswe/PS1Î”E9 mouse model of Alzheimerâ€™s disease. Scientific Reports, 2021, 11, 22904.	3.3	10

#	Article	IF	Citations
145	TheGÎ±oActivator Mastoparan-7 Promotes Dendritic Spine Formation in Hippocampal Neurons. Neural Plasticity, 2016, 2016, 1-11.	2.2	9
146	Neuroprotective Effects of Ferruginol, Jatrophone, and Junicedric Acid Against Amyloid-Î² Injury in Hippocampal Neurons. Journal of Alzheimer's Disease, 2018, 63, 705-723.	2.6	8
147	The transcriptional landscape of Alzheimerâ€™s disease and its association with Wnt signaling pathway. Neuroscience and Biobehavioral Reviews, 2021, 128, 454-466.	6.1	8
148	Stimulation of Melanocortin Receptor-4 (MC4R) Prevents Mitochondrial Damage Induced by Binge Ethanol Protocol in Adolescent Rat Hippocampus. Neuroscience, 2020, 438, 70-85.	2.3	8
149	Tetrahydrohyperforin: a neuroprotective modified natural compound against Alzheimerâ€²s disease. Neural Regeneration Research, 2015, 10, 552.	3.0	7
150	Neurotransmitter-related enzyme acetylcholinesterase in juveniles ofConcholepas concholepas (Mollusca; gastropoda; muricidae). The Journal of Experimental Zoology, 1990, 255, 1-8.	1.4	6
151	INT131 increases dendritic arborization and protects against AÎ² toxicity by inducing mitochondrial changes in hippocampal neurons. Biochemical and Biophysical Research Communications, 2017, 490, 955-962.	2.1	6
152	A Multivariate Assessment of Age-Related Cognitive Impairment in Octodon degus. Frontiers in Integrative Neuroscience, 2021, 15, 719076.	2.1	6
153	WNT Signaling Is a Key Player in Alzheimerâ€™s Disease. Handbook of Experimental Pharmacology, 2021, 269, 357-382.	1.8	6
154	Biosynthesis of the neurofilament heavy subunit in Xenopus oocytes microinjected with rat brain poly(A)+ RNA. Molecular Biology Reports, 1987, 12, 265-271.	2.3	5
155	Sulfation is required for mobility of veliger larvae ofConcholepas concholepas (Mollusca;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.4	5
156	A high molecular weight proteoglycan is differentially expressed during development of the molluscConcholepas concholepas (Mollusca; Gastropoda; Muricidae). The Journal of Experimental Zoology, 1992, 264, 363-371.	1.4	5
157	Ethanol Consumption Affects Neuronal Function: Role of the Mitochondria. , 0, , .		4
158	Morphological neurite changes induced by porcupine inhibition are rescued by Wnt ligands. Cell Communication and Signaling, 2021, 19, 87.	6.5	4
159	Age- and Sex-Associated Glucose Metabolism Decline in a Mouse Model of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2022, , 1-17.	2.6	3
160	Molecular Basis of Neurodegeneration: Lessons from Alzheimerâ€™s and Parkinsonâ€™s Diseases. , 2019, , .		2
161	Disruption of Glucose Metabolism in Aged Octodon degus: A Sporadic Model of Alzheimer's Disease. Frontiers in Integrative Neuroscience, 2021, 15, 733007.	2.1	2
162	Diterpenes and the crosstalk with the arachidonic acid pathways, relevance in neurodegeneration. Neural Regeneration Research, 2019, 14, 1705.	3.0	1

#	Article	IF	Citations
163	Differential Role of Sex and Age in the Synaptic Transmission of Degus (Octodon degus). Frontiers in Integrative Neuroscience, 2022, 16, 799147.	2.1	1
164	Activation of Brain Wnt signaling in vivo: Effect on LTP and Neurogenesis. FASEB Journal, 2012, 26, 81.1.	0.5	0
165	Andrographolide activates the Wnt pathway and modulates the APP processing by direct inhibiton of GSK3Î². FASEB Journal, 2013, 27, 835.11.	0.5	0
166	Tetrahydrohyperforin (IDN5706) targets the endoplasmic reticulum for autophagy activation: potential mechanism for Alzheimerâ€²s disease therapy. Neural Regeneration Research, 2016, 11, 242.	3.0	0