Lorena Varela-Nallar

List of Publications by Year
in descending order

45 papers	2,373 citations	201674 27 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3716 citing authors

#	Article	IF	Citations
1	Wnt signaling in the nervous system and in Alzheimer's disease. Journal of Molecular Cell Biology, 2014, 6, 64-74.	3.3	260
2	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
3	Wnt signaling in the regulation of adult hippocampal neurogenesis. Frontiers in Cellular Neuroscience, 2013, 7, 100.	3.7	151
4	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
5	Wnt signalling in neuronal differentiation and development. Cell and Tissue Research, 2015, 359, 215-223.	2.9	123
6	Epigenetic editing of the Dlg4/PSD95 gene improves cognition in aged and Alzheimerâ€™s disease mice. Brain, 2017, 140, 3252-3268.	7.6	121
7	Role of the Wnt receptor Frizzled-1 in presynaptic differentiation and function. Neural Development, 2009, 4, 41.	2.4	95
8	Frizzledâ€1 is involved in the neuroprotective effect of Wnt3a against AÎ² oligomers. Journal of Cellular Physiology, 2008, 217, 215-227.	4.1	80
9	Role of Wnt Signaling in Adult Hippocampal Neurogenesis in Health and Disease. Frontiers in Cell and Developmental Biology, 2020, 8, 860.	3.7	80
10	Calcium/calmodulinâ€dependent protein kinase type IV is a target gene of the Wnt/Î²â€catenin signaling pathway. Journal of Cellular Physiology, 2009, 221, 658-667.	4.1	71
11	SIRT1 Regulates Dendritic Development in Hippocampal Neurons. PLoS ONE, 2012, 7, e47073.	2.5	68
12	Is there a role for copper in neurodegenerative diseases?. Molecular Aspects of Medicine, 2005, 26, 405-420.	6.4	65
13	Reduced repressive epigenetic marks, increased DNA damage and Alzheimer's disease hallmarks in the brain of humans and mice exposed to particulate urban air pollution. Environmental Research, 2020, 183, 109226.	7.5	65
14	PSD95 Suppresses Dendritic Arbor Development in Mature Hippocampal Neurons by Occluding the Clustering of NR2B-NMDA Receptors. PLoS ONE, 2014, 9, e94037.	2.5	63
15	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
16	Frizzled-1 receptor regulates adult hippocampal neurogenesis. Molecular Brain, 2016, 9, 29.	2.6	60
17	Synaptotoxicity in Alzheimer's Disease: The Wnt Signaling Pathway as a Molecular Target. IUBMB Life, 2007, 59, 316-321.	3.4	58
18	Fructose consumption reduces hippocampal synaptic plasticity underlying cognitive performance. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 2379-2390.	3.8	55

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19	Wnt5a promotes differentiation and development of adult-born neurons in the hippocampus by noncanonical Wnt signaling. Stem Cells, 2020, 38, 422-436.	3.2	53
20	Synaptic Clustering of PSD-95 Is Regulated by c-Abl through Tyrosine Phosphorylation. Journal of Neuroscience, 2010, 30, 3728-3738.	3.6	50
21	Adult hippocampal neurogenesis in aging and Alzheimer's disease. Birth Defects Research Part C: Embryo Today Reviews, 2010, 90, 284-296.	3.6	49
22	Andrographolide Stimulates Neurogenesis in the Adult Hippocampus. Neural Plasticity, 2015, 2015, 1-13.	2.2	47
23	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
24	Frizzled-5 Receptor Is Involved in Neuronal Polarity and Morphogenesis of Hippocampal Neurons. PLoS ONE, 2013, 8, e78892.	2.5	32
25	NMDA receptor subunit composition controls dendritogenesis of hippocampal neurons through CAMKII, CREBâ€P, and H3K27ac. Journal of Cellular Physiology, 2017, 232, 3677-3692.	4.1	32
26	PSD95 regulates morphological development of adult-born granule neurons in the mouse hippocampus. Journal of Chemical Neuroanatomy, 2019, 98, 117-123.	2.1	31
27	Wnt signaling modulates preâ€•and postsynaptic maturation: Therapeutic considerations. Developmental Dynamics, 2010, 239, 94-101.	1.8	30
28	Wnt-5a Is a Synaptogenic Factor with Neuroprotective Properties against AÎ² Toxicity. Neurodegenerative Diseases, 2012, 10, 23-26.	1.4	30
29	<scp>CD</scp>73â€mediated adenosine production promotes stem cellâ€like properties in mouse Tc17 cells. Immunology, 2015, 146, 582-594.	4.4	26
30	Frizzled receptors in neurons: From growth cones to the synapse. Cytoskeleton, 2012, 69, 528-534.	2.0	25
31	The functional links between prion protein and copper. Biological Research, 2006, 39, 39-44.	3.4	20
32	Widespread loss of the silencing epigenetic mark H3K9me3 in astrocytes and neurons along with hippocampal-dependent cognitive impairment in C9orf72 BAC transgenic mice. Clinical Epigenetics, 2020, 12, 32.	4.1	20
33	Role of Copper in Prion Diseases: Deleterious or Beneficial?. Current Pharmaceutical Design, 2006, 12, 2587-2595.	1.9	18
34	Local Klotho Enhances Neuronal Progenitor Proliferation in the Adult Hippocampus. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1043-1051.	3.6	15
35	Astroglial gliotransmitters released via Cx43 hemichannels regulate NMDARâ€dependent transmission and shortâ€term fear memory in the basolateral amygdala. FASEB Journal, 2022, 36, e22134.	0.5	14
36	The ROR2 tyrosine kinase receptor regulates dendritic spine morphogenesis in hippocampal neurons. Molecular and Cellular Neurosciences, 2015, 67, 22-30.	2.2	11

#	Article	IF	Citations
37	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
38	Wnt Signaling in the Adult Hippocampal Neurogenic Niche. Stem Cells, 2022, 40, 630-640.	3.2	10
39	Wnt5a promotes hippocampal postsynaptic development and GluN2B-induced expression via the eIF2Î± HRI kinase. Scientific Reports, 2021, 11, 7395.	3.3	8
40	Fas ligand in the uterus of the non-pregnant mouse induces apoptosis of CD4+ T cells. Journal of Reproductive Immunology, 2005, 66, 13-32.	1.9	6
41	Neuronal surface P antigen (NSPA) modulates postsynaptic NMDAR stability through ubiquitination of tyrosine phosphatase PTPMEG. BMC Biology, 2020, 18, 164.	3.8	6
42	H3K9 Methyltransferases Suv39h1 and Suv39h2 Control the Differentiation of Neural Progenitor Cells in the Adult Hippocampus. Frontiers in Cell and Developmental Biology, 2021, 9, 778345.	3.7	4
43	IgA in the lumen of the human oviduct is not related to the menstrual cycle but increases during local inflammation. Fertility and Sterility, 2002, 77, 633-634.	1.0	2
44	The Cellular Prion Protein Prevents Copper-Induced Inhibition of P2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>X</mml:mtext><mml:mtext>2</mml:mte International Journal of Alzheimer's Disease, 2011, 2011, 1-6.	2.0	4
45	Wnt Signaling Roles on the Structure and Function of the Central Synapses: Involvement in Alzheimerâ€™s Disease. , 0, , .		0