Clorinda Arias

List of Publications by Year
in descending order

63 papers	2,116 citations	186265 28 h-index	243625 44 g-index
63 all docs	63 docs citations	63 times ranked	3261 citing authors

#	Article	IF	Citations
1	Age-dependent changes in Wnt signaling components and synapse number are differentially affected between brain regions. Experimental Gerontology, 2022, 165, 111854.	2.8	4
2	Transcriptional Profiles Reveal Deregulation of Lipid Metabolism and Inflammatory Pathways in Neurons Exposed to Palmitic Acid. Molecular Neurobiology, 2021, 58, 4639-4651.	4.0	3
3	Palmitic acid induces insulin resistance by a mechanism associated with energy metabolism and calcium entry in neuronal cells. FASEB Journal, 2021, 35, e21712.	0.5	15
4	Differential Regulation of Wnt Signaling Components During Hippocampal Reorganization After Entorhinal Cortex Lesion. Cellular and Molecular Neurobiology, 2021, 41, 537-549.	3.3	1
5	The therapeutic potential of mitochondrial transplantation for the treatment of neurodegenerative disorders. Reviews in the Neurosciences, 2021, 32, 203-217.	2.9	18
6	Ricardo Tapia (1940 â€“ 2021). Journal of Neurochemistry, 2021, , .	3.9	0
7	Age-Dependent Decline in Synaptic Mitochondrial Function Is Exacerbated in Vulnerable Brain Regions of Female 3xTg-AD Mice. International Journal of Molecular Sciences, 2020, 21, 8727.	4.1	18
8	An Update on the Molecular Pillars of Aging. , 2020, , 1-25.		2
9	Role of NF-ÎºB in cytochrome P450 epoxygenases down-regulation during an inflammatory process in astrocytes. Neurochemistry International, 2019, 129, 104499.	3.8	8
10	Palmitic Acid-Induced NAD+ Depletion is Associated with the Reduced Function of SIRT1 and Increased Expression of BACE1 in Hippocampal Neurons. Neurochemical Research, 2019, 44, 1745-1754.	3.3	15
11	Food for Thought: What Happens to the Brain When We Eat Foods High in Fat and Sugar?. Frontiers for Young Minds, 2019, 7, .	0.8	0
12	Differential Changes in the Number and Morphology of the New Neurons after Chronic Infusion of Wnt7a, Wnt5a, and Dkkâ€1 in the Adult Hippocampus In Vivo. Anatomical Record, 2019, 302, 1647-1657.	1.4	12
13	Chronic infusion of Wnt7a, Wnt5a and Dkk-1 in the adult hippocampus induces structural synaptic changes and modifies anxiety and memory performance. Brain Research Bulletin, 2018, 139, 243-255.	3.0	15
14	PI3K Signaling in Neurons: A Central Node for the Control of Multiple Functions. International Journal of Molecular Sciences, 2018, 19, 3725.	4.1	104
15	Do new neurons contribute to functional reorganization after brain damage?. Neural Regeneration Research, 2018, 13, 2083.	3.0	0
16	Nonsteroidal anti-inflammatory drugs attenuate amyloid-Î² protein-induced actin cytoskeletal reorganization through Rho signaling modulation. Cellular and Molecular Neurobiology, 2017, 37, 1311-1318.	3.3	9
17	The emerging role of Wnt signaling dysregulation in the understanding and modification of age-associated diseases. Ageing Research Reviews, 2017, 37, 135-145.	10.9	51
18	Palmitic acid stimulates energy metabolism and inhibits insulin/PI3K/AKT signaling in differentiated human neuroblastoma cells: The role of mTOR activation and mitochondrial ROS production. Neurochemistry International, 2017, 110, 75-83.	3.8	32

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19	Lovastatin Differentially Affects Neuronal Cholesterol and Amyloidâ€•<i>Î²</i> Production <i>inÂvivo</i> and <i>inÂvitro</i>. CNS Neuroscience and Therapeutics, 2015, 21, 631-641.	3.9	15
20	Cholesterolâ€•induced astrocyte activation is associated with increased amyloid precursor protein expression and processing. Glia, 2015, 63, 2010-2022.	4.9	30
21	Identification of age- and disease-related alterations in circulating miRNAs in a mouse model of Alzheimer's disease. Frontiers in Cellular Neuroscience, 2015, 9, 53.	3.7	18
22	Evaluating the functional state of adult-born neurons in the adult dentate gyrus of the hippocampus: from birth to functional integration. Reviews in the Neurosciences, 2015, 26, 269-79.	2.9	12
23	Cellular and metabolic alterations in the hippocampus caused by insulin signalling dysfunction and its association with cognitive impairment during aging and Alzheimer's disease: studies in animal models. Diabetes/Metabolism Research and Reviews, 2015, 31, 1-13.	4.0	61
24	Selective distribution and dynamic modulation of miRNAs in the synapse and its possible role in Alzheimer's Disease. Brain Research, 2014, 1584, 80-93.	2.2	24
25	When astrocytes become harmful: Functional and inflammatory responses that contribute to Alzheimer's disease. Ageing Research Reviews, 2014, 18, 29-40.	10.9	91
26	Short-Term High-Fat-and-Fructose Feeding Produces Insulin Signaling Alterations Accompanied by Neurite and Synaptic Reduction and Astroglial Activation in the Rat Hippocampus. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1001-1008.	4.3	119
27	Susceptibility to GSK3Î²-Induced Tau Phosphorylation Differs Between the Young and Aged Hippocampus after Wnt Signaling Inhibition. Journal of Alzheimer's Disease, 2014, 39, 775-785.	2.6	17
28	Age-Dependent Increment of Hydroxymethylation in the Brain Cortex in the Triple-Transgenic Mouse Model of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 41, 845-854.	2.6	41
29	The complex actions of statins in brain and their relevance for Alzheimer's disease treatment: an analytical review. Current Alzheimer Research, 2014, 11, 817-33.	1.4	13
30	Functional recovery of the dentate gyrus after a focal lesion is accompanied by structural reorganization in the adult rat. Brain Structure and Function, 2013, 218, 437-453.	2.3	12
31	RNA Imaging. Methods in Cell Biology, 2013, 113, 361-389.	1.1	2
32	Synaptic Aging is Associated with Mitochondrial Dysfunction, Reduced Antioxidant Contents and Increased Vulnerability to Amyloid-β Toxicity. Current Alzheimer Research, 2013, 10, 324-331.	1.4	24
33	Role of Wnt Signaling in the Control of Adult Hippocampal Functioning in Health and Disease: Therapeutic Implications. Current Neuropharmacology, 2013, 11, 465-476.	2.9	26
34	Interplay Between Cholesterol and Homocysteine in the Exacerbation of Amyloid-β Toxicity in Human Neuroblastoma Cells. CNS and Neurological Disorders - Drug Targets, 2013, 12, 842-848.	1.4	17
35	Amyloid-Î² Protein Modulates Insulin Signaling in Presynaptic Terminals. Neurochemical Research, 2012, 37, 1879-1885.	3.3	38
36	ERK activation and expression of neuronal cell cycle markers in the hippocampus after entorhinal cortex lesion. Journal of Neuroscience Research, 2012, 90, 2116-2126.	2.9	9

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37	Caspase-12 Activation is Involved in Amyloid-Î² Protein-Induced Synaptic Toxicity. Journal of Alzheimer's Disease, 2011, 26, 467-476.	2.6	29
38	æˆç†Ÿç¥žç»å…ƒçš„ç»†èƒžå¨"æœŸå†æ´»åŒ–ä¸Žå§è„'å¯å¡'æ€§ã€•ç¥žç»å…ƒæŸä¼¤å'Œç¥žç»é€€è¡Œæ€§ç–¾ç—…çš„å…³ç³». Neuroscien	2.9	31
39	The Phosphatidylinositol 3-Kinase/mTor Pathway as a Therapeutic Target for Brain Aging and Neurodegeneration. Pharmaceuticals, 2011, 4, 1070-1087.	3.8	20
40	Sex and estrous cycle-dependent differences in glial fibrillary acidic protein immunoreactivity in the adult rat hippocampus. Hormones and Behavior, 2009, 55, 257-263.	2.1	51
41	Oxidative stress promotes JNK-dependent amyloidogenic processing of normally expressed human APP by differential modification of Î±-, Î²- and Î³-secretase expression. Neurochemistry International, 2009, 55, 662-670.	3.8	82
42	Cholesterol Potentiates Î²-Amyloid-Induced Toxicity in Human Neuroblastoma Cells: Involvement of Oxidative Stress. Neurochemical Research, 2008, 33, 1509-1517.	3.3	41
43	Inhibition of Wnt and PI3K Signaling Modulates GSK-3Î² Activity and Induces Morphological Changes in Cortical Neurons: Role of Tau Phosphorylation. Neurochemical Research, 2008, 33, 1599-1609.	3.3	55
44	Long-term exposure to environmental enrichment since youth prevents recognition memory decline and increases synaptic plasticity markers in aging. Neurobiology of Learning and Memory, 2008, 90, 511-518.	1.9	107
45	Exposure to environmental enrichment elicits differential hippocampal cell proliferation: Role of individual responsiveness to anxiety. Developmental Neurobiology, 2007, 67, 395-405.	3.0	39
46	Sequential expression of cell-cycle regulators and Alzheimer's diseaseâ€"related proteins in entorhinal cortex after hippocampal excitotoxic damage. Journal of Neuroscience Research, 2007, 85, 1744-1751.	2.9	32
47	Functional Reorganization of Visual Cortex Maps after Ischemic Lesions Is Accompanied by Changes in Expression of Cytoskeletal Proteins and NMDA and GABAA Receptor Subunits. Journal of Neuroscience, 2004, 24, 1812-1821.	3.6	47
48	Histopathologic changes induced by the microtubule-stabilizing agent Taxol in the rat hippocampus in vivo. Journal of Neuroscience Research, 2004, 78, 553-562.	2.9	9
49	Changes in the content and distribution of microtubule associated protein 2 in the hippocampus of the rat during the estrous cycle. Journal of Neurobiology, 2004, 60, 473-480.	3.6	15
50	Optical imaging of intrinsic signals: recent developments in the methodology and its applications. Journal of Neuroscience Methods, 2004, 136, 1-21.	2.5	114
51	Reorganization of Visual Cortical Maps after Focal Ischemic Lesions. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 811-820.	4.3	30
52	Estradiol and progesterone modify microtubule associated protein 2 content in the rat hippocampus. Brain Research Bulletin, 2002, 58, 607-612.	3.0	42
53	Î²-Amyloid peptide induces ultrastructural changes in synaptosomes and potentiates mitochondrial dysfunction in the presence of ryanodine. Journal of Neuroscience Research, 2002, 68, 89-96.	2.9	90
54	Extracellular matrix glycoproteins inhibit neurite production by cultured neurons. Journal of Comparative Neurology, 2002, 443, 401-411.	1.6	3

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55	Neurotoxic and synaptic effects of okadaic acid, an inhibitor of protein phosphatases. Neurochemical Research, 1999, 24, 1423-1430.	3.3	39
56	Neuronal damage and MAP2 changes induced by the glutamate transport inhibitor dihydrokainate and by kainate in rat hippocampus in vivo. Experimental Brain Research, 1997, 116, 467-476.	1.5	38
57	Okadaic Acid Induces Early Changes in Microtubuleâ€Associated Protein 2 and <i>Î³</i> Phosphorylation Prior to Neurodegeneration in Cultured Cortical Neurons. Journal of Neurochemistry, 1993, 61, 673-682.	3.9	107
58	Inhibition of Brain Glutamate Decarboxylase Activity Is Related to Febrile Seizures in Rat Pups. Journal of Neurochemistry, 1992, 58, 369-373.	3.9	26
59	Transmitter release in hippocampal slices from rats with limbic seizures produced by systemic administration of kainic acid. Neurochemical Research, 1990, 15, 641-645.	3.3	26
60	Differential Calcium Dependence of Î³â€Aminobutyric Acid and Acetylcholine Release in Mouse Brain Synaptosomes. Journal of Neurochemistry, 1986, 47, 396-404.	3.9	29
61	Binding of Lanthanum Ions and Ruthenium Red to Synaptosomes and Its Effects on Neurotransmitter Release. Journal of Neurochemistry, 1985, 45, 1464-1470.	3.9	43
62	Stimulation of [3H]?-Aminobutyric Acid Release by Calcium Chelators in Synaptosomes. Journal of Neurochemistry, 1984, 42, 1507-1514.	3.9	41
63	Selective Stimulation of Neurotransmitter Release from Chick Retina by Kainic and Glutamic Acids. Journal of Neurochemistry, 1982, 39, 1169-1178.	3.9	54