Javier Diaz-Nido

List of Publications by Year
in descending order

79	12,698	81900 39	74163 75
papers	citations	h-index	g-index

80	80	80	24359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Structural Insights and Biological Effects of Glycogen Synthase Kinase 3-specific Inhibitor AR-A014418. Journal of Biological Chemistry, 2003, 278, 45937-45945.	3.4	451
4	Phosphorylation of microtubule-associated protein 2 (MAP2) and its relevance for the regulation of the neuronal cytoskeleton function. Progress in Neurobiology, 2000, 61, 133-168.	5.7	450
5	Lithium inhibits Alzheimer's diseaseâ€like tau protein phosphorylation in neurons. FEBS Letters, 1997, 411, 183-188.	2.8	285
6	Lithium protects cultured neurons against Î²â€amyloidâ€induced neurodegeneration. FEBS Letters, 1999, 453, 260-264.	2.8	239
7	Implication of brain cdc2 and MAP2 kinases in the phosphorylation of tau protein in Alzheimer's disease. FEBS Letters, 1992, 308, 218-224.	2.8	186
8	Chronic lithium treatment decreases mutant tau protein aggregation in a transgenic mouse model. Journal of Alzheimer's Disease, 2003, 5, 301-308.	2.6	172
9	A casein kinase II-related activity is involved in phosphorylation of microtubule-associated protein MAP-1B during neuroblastoma cell differentiation.. Journal of Cell Biology, 1988, 106, 2057-2065.	5.2	159
10	Glycosaminoglycans and Î²-amyloid, prion and tau peptides in neurodegenerative diseases. Peptides, 2002, 23, 1323-1332.	2.4	121
11	Effect of the lipid peroxidation product acrolein on tau phosphorylation in neural cells. Journal of Neuroscience Research, 2003, 71, 863-870.	2.9	121
12	Tubulin phosphorylation by casein kinase II is similar to that found in vivo.. Journal of Cell Biology, 1987, 105, 1731-1739.	5.2	119
13	Generation of three-dimensional multiple spheroid model of olfactory ensheathing cells using floating liquid marbles. Scientific Reports, 2015, 5, 15083.	3.3	113
14	Prion peptide induces neuronal cell death through a pathway involving glycogen synthase kinase 3. Biochemical Journal, 2003, 372, 129-136.	3.7	110
15	Regulation of tau phosphorylation and protection against Î²-amyloid-induced neurodegeneration by lithium. Possible implications for Alzheimer's disease. Bipolar Disorders, 2002, 4, 153-165.	1.9	109
16	Genes Associated with Adult Axon Regeneration Promoted by Olfactory Ensheathing Cells: A New Role for Matrix Metalloproteinase 2. Journal of Neuroscience, 2006, 26, 5347-5359.	3.6	97
17	Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. Journal of Neurobiology, 2004, 58, 48-59.	3.6	94
18	Heterogeneity in the Phosphorylation of Micro tubuleâ€Associated Protein MAP 1B During Rat Brair Development. Journal of Neurochemistry, 1993, 61, 961-972.	3.9	92

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19	A cAMP-activated pathway, including PKA and PI3K, regulates neuronal differentiation. Neurochemistry International, 2004, 44, 231-242.	3.8	90
20	Phosphorylation of Microtubule Proteins in Rat Brain at Different Developmental Stages: Comparison with That Found in Neuronal Cultures. Journal of Neurochemistry, 1990, 54, 211-222.	3.9	76
21	Phosphorylation of a neuronal-specific beta-tubulin isotype. Journal of Biological Chemistry, 1990, 265, 13949-54.	3.4	76
22	Association of casein kinase II with microtubules. Experimental Cell Research, 1989, 181, 263-272.	2.6	71
23	The inhibition of phosphatidylinositol-3-kinase induces neurite retraction and activates GSK3. Journal of Neurochemistry, 2001, 78, 468-481.	3.9	68
24	BDNF production by olfactory ensheathing cells contributes to axonal regeneration of cultured adult CNS neurons. Neurochemistry International, 2007, 50, 491-498.	3.8	65
25	Mitochondrial Hexokinase II Promotes Neuronal Survival and Acts Downstream of Glycogen Synthase Kinase-3. Journal of Biological Chemistry, 2009, 284, 3001-3011.	3.4	64
26	The distribution and phosphorylation of the microtubule-associated protein MAP 1B in growth cones. Journal of Neurocytology, 1991, 20, 1007-1022.	1.5	61
27	Infectious Delivery and Expression of a 135â€‰kb Human FRDA Genomic DNA Locus Complements Friedreich's Ataxia Deficiency in Human Cells. Molecular Therapy, 2007, 15, 248-254.	8.2	58
28	Localization of differentially phosphorylated isoforms of microtubule-associated protein 1B in cultured rat hippocampal neurons. Neuroscience, 1994, 61, 211-223.	2.3	56
29	Low-Dose Curcumin Stimulates Proliferation, Migration and Phagocytic Activity of Olfactory Ensheathing Cells. PLoS ONE, 2014, 9, e111787.	2.5	56
30	Glycogen Synthase Kinase-3 Modulates Neurite Outgrowth in Cultured Neurons: Possible Implications for Neurite Pathology in Alzheimer's Disease. Journal of Alzheimer's Disease, 1999, 1, 361-378.	2.6	53
31	Functional Recovery in a Friedreich's Ataxia Mouse Model by Frataxin Gene Transfer Using an HSV-1 Amplicon Vector. Molecular Therapy, 2007, 15, 1072-1078.	8.2	52
32	A clonal cell line from immortalized olfactory ensheathing glia promotes functional recovery in the injured spinal cord. Molecular Therapy, 2006, 13, 598-608.	8.2	49
33	Silencing of frataxin gene expression triggers p53-dependent apoptosis in human neuron-like cells. Human Molecular Genetics, 2011, 20, 2807-2822.	2.9	49
34	Dephosphorylation of distinct sites on microtubule-associated protein MAP1B by protein phosphatases 1, 2A and 2B. FEBS Letters, 1993, 330, 85-89.	2.8	48
35	Aluminum induces the in vitro aggregation of bovine brain cytoskeletal proteins. Neuroscience Letters, 1990, 110, 221-226.	2.1	47
36	Implication of cyclin-dependent kinases and glycogen synthase kinase 3 in the phosphorylation of microtubule-associated protein 1B in developing neuronal cells. , 1998, 52, 445-452.		46

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37	Differentiation of a human neuroblastoma into neuron-like cells increases their susceptibility to transduction by herpesviral vectors. Journal of Neuroscience Research, 2006, 84, 755-767.	2.9	45
38	Regulation of a site-specific phosphorylation of the microtubule-associated protein 2 during the development of cultured neurons. Neuroscience, 1998, 87, 861-870.	2.3	44
39	Olfactory Ensheathing Glia: Drivers of Axonal Regeneration in the Central Nervous System?. Journal of Biomedicine and Biotechnology, 2002, 2, 37-43.	3.0	44
40	N-methyl-d-aspartate stimulates the dephosphorylation of the microtubule-associated protein 2 and potentiates excitatory synaptic pathways in the rat hippocampus. Neuroscience, 1993, 54, 859-871.	2.3	40
41	Immortalized olfactory ensheathing glia promote axonal regeneration of rat retinal ganglion neurons. Journal of Neurochemistry, 2003, 85, 861-871.	3.9	40
42	Frataxin knockdown in human astrocytes triggers cell death and the release of factors that cause neuronal toxicity. Neurobiology of Disease, 2015, 76, 1-12.	4.4	39
43	Semaphorin 3C preserves survival and induces neuritogenesis of cerebellar granule neurons in culture. Journal of Neurochemistry, 2004, 87, 879-890.	3.9	34
44	Hexokinase II gene transfer protects against neurodegeneration in the rotenone and MPTP mouse models of Parkinson's disease. Journal of Neuroscience Research, 2010, 88, 1943-1950.	2.9	33
45	Highly Efficient and Specific Gene Transfer to Purkinje CellsIn VivoUsing a Herpes Simplex Virus I Amplicon. Human Gene Therapy, 2002, 13, 665-674.	2.7	30
46	Reversibly immortalized human olfactory ensheathing glia from an elderly donor maintain neuroregenerative capacity. Glia, 2010, 58, 546-558.	4.9	29
47	Gene Transfer of Brain-derived Neurotrophic Factor (BDNF) Prevents Neurodegeneration Triggered by FXN Deficiency. Molecular Therapy, 2016, 24, 877-889.	8.2	29
48	Differential effects of tumor necrosis factor on the growth and differentiation of neuroblastoma and glioma cells. Experimental Cell Research, 1991, 194, 161-164.	2.6	27
49	Tangling with hypothermia. Nature Medicine, 2004, 10, 460-461.	30.7	27
50	Distribution of CK2, its substrate MAP1B and phosphatases in neuronal cells. Molecular and Cellular Biochemistry, 1999, 191, 201-205.	3.1	26
51	Future Prospects of Gene Therapy for Friedreichâ€™s Ataxia. International Journal of Molecular Sciences, 2021, 22, 1815.	4.1	25
52	Increase in Cytoplasmic Casein Kinase II-Type Activity Accompanies Neurite Outgrowth After DNA Synthesis Inhibition in NIA-103 Neuroblastoma Cells. Journal of Neurochemistry, 1992, 58, 1820-1828.	3.9	24
53	Lithium induces morphological differentiation of mouse neuroblastoma cells. , 1999, 57, 261-270.		24
54	Pharmacological inhibition of GSKâ€3 is not strictly correlated with a decrease in tyrosine phosphorylation of residues 216/279. Journal of Neuroscience Research, 2008, 86, 668-674.	2.9	24

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55	Infectious delivery and long-term persistence of transgene expression in the brain by a 135-kb iBAC-FXN genomic DNA expression vector. Gene Therapy, 2011, 18, 1015-1019.	4.5	24
56	High level of amyloid precursor protein expression in neurite-promoting olfactory ensheathing glia (OEG) and OEG-derived cell lines. Journal of Neuroscience Research, 2003, 71, 871-881.	2.9	21
57	Addition of protease inhibitors to culture medium of neuroblastoma cells induces both neurite outgrowth and phosphorylation of microtubule-associated protein MAP-1B. Journal of Cell Science, 1991, 98, 409-414.	2.0	21
58	High External Potassium Induces an Increase in the Phosphorylation of the Cytoskeletal Protein MAP2 in Rat Hippocampal Slices. European Journal of Neuroscience, 1993, 5, 818-824.	2.6	19
59	Ephrin-B1 Promotes Dendrite Outgrowth on Cerebellar Granule Neurons. Molecular and Cellular Neurosciences, 2002, 20, 429-446.	2.2	19
60	Expression of plasminogen activator inhibitor-1 by olfactory ensheathing glia promotes axonal regeneration. Glia, 2011, 59, 1458-1471.	4.9	19
61	Role of phosphorylated MAPIB in neuritogenesis. Cell Biology International, 1994, 18, 309-314.	3.0	15
62	Depletion of catalytic and regulatory subunits of protein kinase CK2 by antisense oligonucleotide treatment of neuroblastoma cells. Cellular and Molecular Neurobiology, 1994, 14, 407-414.	3.3	14
63	Downregulation of glycogen synthase kinase-3Î² (GSK-3Î²) protein expression during neuroblastoma IMR-32 cell differentiation. , 1999, 55, 278-285.		14
64	Phosphorylation of neuronal microtubule proteins. Protoplasma, 1988, 145, 82-88.	2.1	12
65	Chronic inhibition of glycogen synthase kinase-3 protects against rotenone-induced cell death in human neuron-like cells by increasing BDNF secretion. Neuroscience Letters, 2012, 531, 182-187.	2.1	12
66	Enhanced Production of Herpes Simplex Virus 1 Amplicon Vectors by Gene Modification and Optimization of Packaging Cell Growth Medium. Molecular Therapy - Methods and Clinical Development, 2020, 17, 491-496.	4.1	11
67	Differential phosphorylation of microtubule proteins by ATP and GTP. Molecular and Cellular Biochemistry, 1988, 79, 73-79.	3.1	10
68	Modifications of tau protein during neuronal cell death. Journal of Alzheimer's Disease, 2001, 3, 563-575.	2.6	10
69	The role of the cytoskeleton in the morphological changes occurring during neuronal differentiation. Seminars in Cell and Developmental Biology, 1996, 7, 733-739.	5.0	8
70	Gene transfer into Purkinje cells using herpesviral amplicon vectors in cerebellar cultures. Neurochemistry International, 2007, 50, 181-188.	3.8	8
71	Prospects for the Use of Artificial Chromosomes and Minichromosome-Like Episomes in Gene Therapy. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-16.	3.0	8
72	Effect of Mitochondrial and Cytosolic FXN Isoform Expression on Mitochondrial Dynamics and Metabolism. International Journal of Molecular Sciences, 2020, 21, 8251.	4.1	8

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73	The smoothened agonist SAG reduces mitochondrial dysfunction and neurotoxicity of frataxin-deficient astrocytes. Journal of Neuroinflammation, 2022, 19, 93.	7.2	8
74	Altered Secretome and ROS Production in Olfactory Mucosa Stem Cells Derived from Friedreichâ€™s Ataxia Patients. International Journal of Molecular Sciences, 2020, 21, 6662.	4.1	5
75	Gene Therapy Approaches to Ataxias. Current Gene Therapy, 2009, 9, 1-8.	2.0	4
76	Analysis of Putative Epigenetic Regulatory Elements in the FXN Genomic Locus. International Journal of Molecular Sciences, 2020, 21, 3410.	4.1	4
77	DNA repair pathways are altered in neural cell models of frataxin deficiency. Molecular and Cellular Neurosciences, 2021, 111, 103587.	2.2	4
78	Quantitation of microtubule-associated protein MAP-1B in brain and other tissues. International Journal of Biochemistry & Cell Biology, 1989, 21, 723-730.	0.5	3
79	412. A Novel Friedreich's Ataxia Model and In Vivo Gene Rescue Using HSV-1 Amplicon Vectors in Transgenic Mice. Molecular Therapy, 2006, 13, S158.	8.2	0